Y34 Radiation Oncology

Course ID: MED 797BB/997BB
Discipline: Medicine
Prerequisites: 8 or more weeks of core clerkships.
Available Sites: Saginaw
Duration: 2 or 4 weeks

Description
The purpose of this elective rotation is to prepare the student to recognize and treat commonly encountered problems in Radiation Oncology.

Key Objectives

- Describe the appropriate indications and use of radiation therapy in the curative setting for the common cancer types.
- Describe the appropriate use of radiation therapy in the palliative setting.
- List and describe the acute and late effects that could result from treatment.
- Describe the basic concepts of radiation biology.
- Participate in the appropriate diagnostic evaluation, staging and prognosis of the various major cancers (prostate, breast, colorectal, lung, GYN, CNS, head and neck, other GI.) treated with radiation therapy.
- Obtain the relevant history and diagnostic workup and perform physical examinations of the cancer patient.
- Write a radiation prescription.
- Observe the delivery of radiation treatment on the treatment units (Tomotherapy, Elekta1, Elekta S, GammaKnife, brachytherapy)
- Evaluate patients for the acute effects of radiation treatment during weekly status check visits and the management of these effects.
- Evaluate patients for tumor response, late effects of radiation therapy and their management.
- Participate in simulation, treatment planning and treatment delivery by working with radiation therapists, dosimetrists and physicists.
- Understand the workflow process in radiation planning and the involvement of radiation therapists, dosimetrists and physicists.
- Communicate and collaborate effectively and respectfully with patients, families, physicians, other health care professionals, and colleagues in the medical team environment and across the continuum of care.
- Identify the complexity of emotions (patient and physician) in the medical interview and communicate empathetically with patients experiencing strong emotions such a sadness, fear, frustration and/or anger.
- See and respect the patient and their families as equal partners with all members of the health care team in the management of their health.
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Assessment Method
College of Medicine standard elective assessment will be completed by supervising faculty at conclusion of elective clerkship.

Scheduling Information
Interested students should contact CMU College of Medicine Department of Distributed Clinical Education at CMEDDCE@cmich.edu.