

MS 3's: Requires Course Director's approval on Course Preference form*

Requires drop/add code

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| Faculty In Charge Of Course: | Matthew Ballo, M.D., Director for Medical Student Elective Program, 713 /563-2334 |
| Participating Faculty: | Attending Staff |
| Location: | M.D. Anderson Cancer Center, Blue Zone, Room B1.5081 |
| Offered: | Each period |
| Max. # Students/Period: | 2 |

*Approval should be obtained from Tammie Davenport, (713 / 792-2534), M.D. Anderson Cancer Center, Department of Radiation Oncology.

Course Objective:

Material Covered:

The major objectives of this rotation are to acquaint the fourth-year student to the basic concept of the practice of radiotherapy. While many students may elect to pursue further study in the specialty, it is expected that the primary emphasis of the rotation will focus on issues that will be useful to any physician who may deal with cancer patients.

Skills Acquired:

Skills in oral and written presentations, assessing data and arriving at a diagnosis-problem solving, knowledge, and fund of information in the specialty of radiation oncology.

- The basic principles of radiation physics, radiobiology, and radiation safety;
- The clinical evaluation and staging of the patient with cancer;
- The role of radiotherapy in the overall management of the patient with cancer;
- The importance of a multidisciplinary approach to cancer management problems;
- The process by which treatment plans are generated from an understanding of tumor volume, normal tissue considerations, and natural history of diseases; and
- The implementation and verification of treatment plans

Activities Of Elective:

Number Of New Patients/Student/Week: Not Applicable

Responsibilities Of Student For Assigned Patients:

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| Does history/physical: | Yes |
| Who critiques: | Attending |
| Follows patients, with appropriate notes as needed: | Yes |
| Who supervises: | Attending |
| Does student see ambulatory patients: | Yes |

Scheduled Duties of Student:

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| Frequency of rounds on patients: | Weekly |
| Presents patients to preceptor or attending physician: | Yes, weekly |
| Weekly schedule of required teaching sessions: | Yes, attends clinics and conferences daily |

Describe Optional Rounds And Activities, If Any:

Medical student responsibilities

1. New patient consults
2. Under treatment clinics
3. Follow-up clinics
4. Follow at least one new patient each week through simulation, administration of informed consent and patient teaching, treatment planning (with the dosimetrist), and treatment start.
5. Attend Daily Planning Clinic Conference, Tuesday-Thursday at 8:30 a.m.
6. Attend the pertinent multidisciplinary conferences throughout the rotation.
7. Two patients will be presented to the Medical Student Director during the rotation.
8. Students are expected to give a brief presentation on a relevant radiation oncology topic including paper presentation.
9. Attend Hermann Hospital Tumor Board Conference, Tuesdays at 5:00 p.m.
10. Attend Round Table Conference, Fridays, 8:30-9:30 a.m.

Other Required Activities:

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| | Reading/review of current literature: | Yes |
| | Writing or Presenting a paper: | Yes |

How Is Student Evaluated:

- Gathering data by history and physical examination.
- Skills in oral and written presentations.
- Assessing data and arriving at a diagnosis-problem solving.
- Evidence of preparation and outside reading.
- Work habits and personal qualities.
- Interpersonal relationships with other members of the health care team.
- Knowledge and fund of information.

Who Evaluates Students:

Attending physician and Medical Student Director

Unique Features Of This Elective:

- Basic principles of radiation oncology.
- Clinical evaluation and staging of the patient with cancer.
- Role of radiotherapy in the overall management of the patient with cancer.
- Importance of multidisciplinary approach to cancer management problems.