

**Medical Oncology Rotation GOALS AND OBJECTIVES**  
**Radiation Oncology Residency**

**PATIENT CARE**

- Communicate effectively and respectfully when interacting with medical oncology team members, patients, and patients' families/caregivers
- Participate in patient presentation and discussion of treatment options/recommendations at medical oncology conferences
- Observe the nurse discussing chemotherapy administration with at least two patients
- Learn considerations in prescribing various chemotherapeutic agents and their interactions with radiation in the neo-adjuvant, concurrent, or adjuvant setting.
- Learn considerations in management of side effects of various chemotherapeutic agents.

**MEDICAL KNOWLEDGE**

- Participate in both the new patient and follow-up portions of the weekly medical oncology conferences, including Morbidity and Mortality conference.
- Gain proficiency at discussing the roles of various chemotherapeutic agents in specific adult and pediatric cancers and in deciding what you would recommend for particular cases and why
- Develop a good awareness and understanding of chemotherapy dose selection considerations
- Begin developing an understanding of the specific side effects of various chemotherapeutic agents
- Begin to develop familiarity with each of the parameters listed on the chemotherapy prescription sheet and how safety and quality assurance are established.

**PRACTICE-BASED LEARNING AND IMPROVEMENT**

- Perform history and physical examinations for at least 6 medical oncology cases (at times that do not interfere with patient care)
- Participate in discussions of general management of at least 6 medical oncology cases and understand all the considerations of which chemotherapies to use for a particular tumor and how to combine the chemotherapy with other components of treatment such as surgery and radiation.
- Develop the ability to use information technology to improve fund of knowledge and improve patient care

**INTERPERSONAL AND COMMUNICATION SKILLS**

- Develop the skills to communicate effectively with the medical oncology team and other medical personnel
- Demonstrate compassionate and clear communication with patients from different cultures and patients' families/caregivers

**PROFESSIONALISM**

- Demonstrate sensitivity and responsiveness to patients' culture, age, gender and disabilities
- Demonstrate commitment to ethical principles regarding provision or withholding of medical care, patient confidentiality, and informed consent
- Learn how to be accountable to patients, the medical oncology team, and colleagues

**SYSTEMS BASED PRACTICE**

- Understand how your patient care affects other health professionals, the health care organization, and the larger society and how these elements of the system affect your practice
- Develop the skills needed to coordinate with health care managers and health care providers to improve care

#### LIST OF SPECIFIC EXPECTATIONS

- To improve medical knowledge regarding the pathophysiology, diagnosis, natural history, complications and treatment of a wide range of tumors commonly seen in the out-patient setting and treated with chemotherapy
- Expand knowledge base on the selection of each chemotherapeutic agent and how to combine this agent with other components of therapy such as surgery and radiation.
- Expand knowledge base on the dose for each chosen chemotherapeutic agent and how this dose would change if it were combined with a biological agent or with radiation.
- Expand knowledge base on the dose for each chosen chemotherapeutic agent and how this dose would change
- Develop the skills to discuss diagnosis and management of side effects of specific chemotherapeutic agents.
- Develop familiarity with the medical oncology and combined modality approach in the following sites:
  - ✓ GI Oncology (colorectal cancer, hepatobiliary tumors, pancreatic cancer, neuroendocrine tumors, anal cancer, gastroesophageal tumors)
  - ✓ Thoracic Oncology (NSCLC, SCLC, mesothelioma)
  - ✓ Breast Cancer
  - ✓ GU Oncology (prostate cancer, bladder cancer, kidney cancer, testicular cancer)
  - ✓ Head and neck malignancies
  - ✓ GYN malignancies
  - ✓ Lymphoma and leukemia
  - ✓ Brain metastases
  - ✓ Bone metastases
- Learn about decisions relating to curative versus palliative care.
- Attend at least two multidisciplinary tumor boards each week
- Incorporate practice-based learning and other competencies to improve overall subspecialty competence in Medical Oncology.
- Attend all regularly scheduled Division meetings (Clinical Conference and Journal Club) and Didactic Lectures (per the Core Curriculum) that are attended by the medical oncology fellows during that month.