

**PGY-4 Resident General Radiation Oncology Elective Rotation Goals and Objectives  
Mount Zion and Long Sites**

**1. Professionalism**

PGY-4 residents will:

- Demonstrate sensitivity and responsiveness to patients' culture, age, gender, sexual orientation and disabilities
- Demonstrate commitment to ethical principles regarding provisions or withholding of medical care, patient confidentiality and informed consent
- Function well as a member of a team and be respectful of co-workers and referring physicians
- Maintain comprehensive, accurate and timely medical records
- Demonstrate they are reliable in carrying out orders from the attending physician

**2. Practice Based Learning and Improvement**

- Demonstrate ability to use information technology and feedback to improve their fund of knowledge and skills and contribute to patient care

**3. Interpersonal skills and communication**

- Communicate with patients and their families/caregivers in an easily understood and culturally sensitive manner including the use of professional interpreters when needed
- Maintain patient confidentiality
- Communicate with other physicians, and health care providers
- Maintain accurate and timely medical records

**4. Patient care**

- Participate in planning and carrying out simulations for treatment planning

- Learn about different types of immobilization (e.g., head masks) and setups for treatment
- Participate in treatment verification & port films
- Consider palliative vs. curative therapy Participate in planning and carrying out simulations
- Participate in drawing accurate tumor volumes and tissue constraints
- Perform initial history and physical examinations noting all pertinent findings and begin to formulate strategies for care and management
- Monitor patients under treatment with the attending
- Alert the attending to any new problems of a patient undergoing treatment or workup in the department
- See follow-up patients with the attending

## **5. System based Learning**

- Understand how patient care affects other health professionals and the health care organization.
- Coordinate medical care with other health care providers involved in the patient's treatment

## **6. Medical Knowledge**

- Learn fundamental principles related to dosing for different tumor types & sites
- Understand the dose limits of normal tissues and the expected complications of radiation of different sites

- Participate in the planning of various techniques, including:
  - i. 2-dimensional
  - ii. 3-dimensional conformal radiotherapy (3DCRT)
  - iii. Intensity-modulated radiation therapy (IMRT)
  - iv. CyberKnife Radiosurgery
  - v. High-dose rate implants
  - vi. Permanent seed implants for prostate cancer
  
- Participate in the planning of various techniques, including:
  - vii. CNS
  - viii. Head and neck
  - ix. Breast
  - x. Lung
  - xi. GI-esophagus, stomach, rectal, anal
  - xii. GYN-endometrial, cervix, vulva
  - xiii. Sarcoma
  - xiv. Bone tumors
  - xv. Lymphoma
  - xvi. Brain metastases
  - xvii. Bone metastases
  
- Demonstrate the ability to logically formulate treatment management decisions
  
- Demonstrate an understanding of normal tissue tolerance to radiation
  
- Demonstrate an understanding of the use of photons, electrons, 3D and IMRT in treatment planning
  
- Demonstrate an understanding of side effects of radiation therapy
  
- Participate and demonstrate an understanding of the Simulation Process