

**University of California, San Francisco,
Department of Radiation Oncology
Residency Training Program
PGY-4 Resident Elective Rotation
UCSF (Long-Parnassus) Clinical Elective Goals and Objectives
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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

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

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

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

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

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