University of California, San Francisco,  
Department of Radiation Oncology  
Residency Training Program  
PGY-5 Resident Elective Rotation  
UCSF (Long-Parnassus) Clinical Elective Goals and Objectives  
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Professionalism

PGY-5 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