

**University of California, San Francisco,
Department of Radiation Oncology
Residency Training Program
Resident Rotation Objective for PGY-5 Residents
In Gastrointestinal
Mekhail Anwar, M.D., Ph.D. / Mary Feng, M.D.**

Professionalism

PGY-5 residents will:

- Show increasing maturity and judgment in patient care issues.
- 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

- Take a major role in formulating management strategies
- Take a major role in monitoring patients under treatment
- Participate in drawing accurate tumor volumes and tissue constraints
- Develop dosimetric guidelines for planning each case, particularly when the balance of tumor coverage versus normal tissue toxicity must be taken into account.
- 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
- Suggest strategies for symptom management (skin care, odynophagia, dehydration, etc)
- Alert the attending to any new problems of a patient undergoing treatment or workup in the department
- See follow-up patients with the attending when available.
- See on treatment patients with attending weekly; residents will demonstrate an ability to see the patient on-treatment independently, form an assessment and plan and consult with the attending on treatment strategy.

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; participate in the coordination of chemotherapy and radiation in context of team (NP, Attending, medical oncologist/ oncology NP)

Medical Knowledge

- Develop a more mature and complete understanding of the natural history and management strategy for gastrointestinal malignancies that include anal cancer, rectal cancer, gastric and esophageal cancer, liver, bile duct and pancreatic cancers. Learn the differences between treatment of different histologies at each site (squamous cell carcinoma versus adenocarcinoma versus NET).

- Actively participate in weekly gastrointestinal (GI) tumor board and, when available, the genitourinary tumor board.
- Demonstrate the ability to logically formulate treatment management decisions
- Demonstrate an understanding of normal tissue tolerance to radiation
- Demonstrate an ability to evaluate a treatment plan employing the use of photons, electrons, 3D, IMRT, and SBRT in treatment planning
- Demonstrate an ability to use of SBRT and the differences between the application of more fractionated approaches.
- Demonstrate an understanding of using combined modality therapy versus radiation alone.
- Demonstrate a more mature and complete understanding an understanding of side effects of radiation therapy
- Demonstrate an ability to perform accurate simulations

