

PGY-4 Resident Radiation Oncology Rotation Objective

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1. Professionalism

PGY-4 residents will:

- Show increasing maturity and judgement 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 reliability 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

- Actively participate and contribute to planning simulations
- Demonstrate an understanding of volume at risk when contouring and demonstrate a knowledge of normal tissue tolerance
- Demonstrate ability to detect and discern normal and abnormal findings on physical exams and demonstrate ability to do comprehensive, reliable, and accurate histories
- Take a major role in formulating management strategies
- Take a major role in monitoring patients under treatment

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 patients' treatment

6. Medical knowledge

- Develop a more complete and mature understanding of natural history and management strategy of pediatric extra-cranial malignancies; not only the most common pediatric cancers that include Wilms' tumor, Ewing's sarcoma, non-Hodgkin's lymphoma, Hodgkin's lymphoma, and neuroblastoma, but also more rare pediatric cancers that include aggressive fibromatosis, eosinophilic granuloma, retinoblastoma, and soft tissue sarcoma.
- Learn the natural history and management strategy for pediatric central nervous system (CNS) malignancies; not only the most common cancers that include medulloblastoma, ependymoma, and gliomas of all grades, but also less common brain tumors that include supratentorial PNET, and craniopharyngioma.
- Demonstrate an understanding of normal tissue tolerances to radiation
- Demonstrate an ability to contour volumes at risk and demonstrate an understanding of dose volume – histogram relationships
- Actively participate in weekly pediatric tumor board and weekly pediatric neuro-oncology tumor board.

- Demonstrate an understanding of doses required for cure or palliation of a variety of cancer types and demonstrate an understanding of normal tissue tolerances
- Demonstrate confidence in formulating a treatment plan for 3D and IMRT treatment
- Demonstrate an ability to perform accurate simulations