DREXEL UNIVERSITY COLLEGE OF MEDICINE/ HAHNEMANN UNIVERSITY HOSPITAL DEPARTMENT OF RADIATION ONCOLOGY

CHRISTIANA CARE RADIATION ONCOLOGY

Goals and Objections for Pediatric Patients

PGY-4 ONLY

Patient Care

Residents will learn to take care of children with cancer and to communicate with their families with caring and compassion.

Medical Knowledge

- Residents will learn the natural history, presentation, work-up, staging, and treatment for patients with Wilms’ tumor, neuroblastoma, rhabdomyosarcomas, Ewing’s sarcoma, Hodgkin’s and Non-Hodgkin’s Lymphoma, retinoblastoma and childhood brain tumors and other solid tumors.
- Residents will learn and understand the indications for stem cell/bone marrow transplants in acute lymphoblastic leukemia (ALL), acute myelogenous leukemia (AML), and neuroblastoma.
- Residents will learn the appropriate treatment techniques and principles of treatment for the tumors listed above including the use of CT simulation and fusion of MRI/CT to assist in delineation of normal tissues, GTV, CTV and PTV.
- Residents will gain knowledge of normal tissue tolerances, treatment fields and doses for tumors listed above.
- Residents will understand the indications for emergency radiation therapy in a pediatric setting.
- Residents will understand the acute and long-term side-effects seen in this population specifically related to bone and soft tissue abnormalities, neurocognitive risks and those of second malignancies.
- At the completion of the program residents should have the ability to set up the following field arrangements: Craniospinal, Whole lung/whole abdomen, Total Body Irradiation (TBI) and other specialized fields as dictated by tumor type.
- Residents will attend all tumor boards and journal clubs relative to pediatric oncology while on rotation.
Practice-Based Learning and Improvement

- Residents will be expected to read and evaluate literature pertaining to disease site with guidance of the attending physician.
- They are also required to attend St. Christopher’s Hospital for Children teaching rounds, tumor conferences, long term follow-up clinic as indicated by rotation schedule.

Interpersonal and Communication Skills

- Residents will learn to communicate effectively with patient and families as well as social workers and nurse involved in the care of the child.
- They will also communicate with other residents /fellows/attendings/other staff involved in the care of the child.

Professionalism

- Residents are expected to be respectful and professional with patients and families including interactions with other health professionals/staff regardless of socioeconomic background.

Systems Based Practice

- Residents will be aware of and assist in coordination of care, scheduling testing, appointments with social workers and nurse navigator and any other oncologic needs.
- They will also help in assessment of medical issues and develop proficiency in departmental based and hospital based computer systems.

Teaching Methods:

Residents are taught by attending physician one to one or through didactic lecture and visiting professors.

Assessment Methods (Residents):

Each resident is expected to fill out an evaluation of rotation form annually.

Assessment Methods of Program:

Each resident is expected to fill out evaluation of program annually.
Supervision:

One on one by the attending physician.

Educational resources:

- Residents have access to the Drexelmed library 24/7.
- Basic Radiation Oncology, Anatomy, Radiology, Medical Oncology, Physics and Radiation Biology texts are available in the Radiation Oncology library/conference room or in the residents’ room.
- Pertinent journals are available on-line. There is also a list of suggested articles, by site, in our Residency Program’s Policy and Procedure manual located in the residents’ room.
- Access to NCCN guidelines are accessible and are free on line along with guidelines from NCI, ACS, ASTRO.