Goals and Objectives for Gynecologic Patients
PGY-2, PGY-3, PGY-4, PGY-5

PGY-2

This rotation provides training in diagnosis, staging, treatment, and follow-up of all gynecological malignancies including endometrium, cervix, vagina, vulva and metastatic disease from these malignancies.

Patient Care:

- Learn the epidemiology and FIGO & AJCC staging for different GYN cancers.
- Able to incorporate imaging and pathologic findings to develop treatment plan for different GYN malignancies
- Knowledge of indications for surgery, chemotherapy (concurrent or sequential) and radiation (Pre-op, Post- op or definitive.)
- Able to setup the patient for CT simulation and planning for radiation therapy.
- Proficiency in special treatment techniques such as IMRT and brachytherapy including intracavitary and interstitial techniques using both high and low dose-rate sources
- Recognizing and managing acute and long term radiation side effects

Medical Knowledge:

- Become familiar with pelvic anatomy, lymphatic drainage for different GYN cancers and patterns of spread
- Knowledge of clinical trials and literature and its application to clinical practice

Practice Based Learning and Improvement:

- Able to participate in multidisciplinary GYN tumor board to discuss management and pertinent literature
- Able to analyze dosimetry plan and review weekly portal films
**Interpersonal and Communication Skills:**

- Able to communicate with patients and family members regarding treatment plan, side effects and follow up
- Able to communicate with other health professionals involved in patient care

**Professionalism:**

- Demonstrate compassion and respect to the patient
- Demonstrate sensitivity in respect to ethnic and social needs of the patients

**System Based Practice:**

- Able to coordinate the patient’s comprehensive care and other socio-economic needs during radiation therapy
- Become proficient in searching the data base and literature

**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

**PGY-3**

**Continue development in each of the competencies addressed at the PGY-2 level and additionally:**

**Patient Care**

- Further refine history and physical consultation skills for gynecologic oncology patients including ability to perform gynecological examinations and PAP smears.
- Recognize and manage acute and chronic treatment effects with guidance of the attending
• In follow up, begin to manage post treatment care and evaluate for recurrent/metastatic disease with appropriate diagnostic studies
• Upon review of current standards of care, propose alternatives for clinical or translational research in this patient population
• Become more proficient at brachytherapy procedures with help of attending

Medical Knowledge

• Develop proficiency in staging, extent of disease evaluation, and NCCN guidelines by disease site. Also review GOG protocols for potential clinical trial referral
• Recommend evidence based treatment options and discuss and compare outcomes such as local control rate, survival probability and toxicities associated with the options identified
• Develop basic understanding of other disciplines in GYN oncology including chemotherapy and surgery
• Become comfortable with developing presentations for our own department as well as others, including journal clubs
• Begin developing research project to continue during residency
• Understand radiobiology concepts and apply to clinical radiation oncology
• Understand physics concepts and apply to clinical radiation oncology

Practice-based Learning and Improvement

• Formulate complete comprehensive cancer treatment plans with the guidance of the attending
• Perform simulations and develop treatment plan under the direct supervision of the attending

Interpersonal and Communication Skills

• Elicit and provide information to patients and their families using effective nonverbal, explanatory, questioning and writing skills
• Respond promptly to patients’ queries and requests
  Develop team leadership skills to promote effective care delivery and a wholesome educational environment

Systems-based Practice

• Exhibit sufficient computer skills to access appropriate medical records and patient data from both department and hospital-based systems
• Advocate for high quality radiation oncology patient care and assist patients in dealing with system complexities
Professionalism

- Demonstrate a commitment to carrying out professional responsibilities and a responsiveness to the needs of patients that supersedes self-interest

Teaching Methods:

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

Resident Assessment Methods:

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

Program Assessment Methods:

Each resident is expected to fill out evaluation of program annually

Supervision:

One on one by the attending physician

PGY-4

Continue development in each of the competencies addressed at the PGY-2 and PGY-3 level and additionally:

Patient Care

- Comprehensively evaluate patients with GYN cancers and understand multidisciplinary aspects of patient’s care.
- Be able to perform simulation with only observation by attending.
- Be able to perform vaginal, uterine, vulvar brachytherapy procedures with little assistance from attending.

Medical Knowledge

- For effective consultation and referral and for patient education, assess and describe common presentations of radiation interactions with antineoplastic and/or biologic agents.
- Develop in-depth knowledge of chemotherapeutic and surgical roles in multidisciplinary care.
- Distinguish between important and non-important problems of each patient; prioritize and resolve issues with minimal direct action by the attending physician.
- Understand in-depth concepts in radiobiology and apply to clinical practice.
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- Understand in-depth concepts in radiation physics, be able to perform calculations, and apply to clinical practice

**Practice-based Learning and Improvement**

- Refine practice experience through use of chart reviews, M&M and QA monitors to assess performance and management skills relative to this disease site
- Where appropriate and with guidance from the mentoring faculty, review GYN tumor site specific patient experience for outcomes analysis and submission of abstract(s) for presentation.

**Interpersonal and Communication Skills**

- Develop a style of interaction with staff, attending physicians and colleagues in a manner that promotes and fosters cooperation, trust and respect
- Become proficient in communicating and educating medical students and junior residents in the program

**Systems-based Practice**

- Utilize services within the hospital setting or those available externally to assure patient access to quality care and management

**Professionalism**

- Demonstrate appropriate ethical activities and professional behaviors at all times
- Recognize challenging issues and seek appropriate guidance to resolution

**Teaching Methods:**

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

**Resident Assessment Methods:**

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

**Program Assessment Methods:**

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

One on one by the attending physician

PGY-5

Continue development in each of the competencies addressed at the PGY-2, 3 and 4 level and additionally:

Patient Care

- Independently evaluate gynecologic oncology patients for radiation therapy and report findings to attending mentor and autonomously manage patients undergoing radiation therapy
- Be able to perform standard GYN brachytherapy (interstitial, cylinders and ring/tandem via HDR and LDR techniques) procedures under observation of an attending
- Be able to independently perform simulation, write a clear radiation prescription and devise an appropriate treatment plan with dosimetrist

Medical Knowledge

- Acquire an attitude consistent with life-long learning habits.
- Demonstrate a depth of knowledge that will allow residents to practice independently without direct supervision.

Practice-based Learning and Improvement

- Formulate and execute comprehensive radiation treatment prescriptions, plans and simulations in an independent fashion for disease site as specified for gynecologic malignancies(subject to approval by the attending faculty)
- Evaluate patient during on-treatment visits and in follow up clinic for assessment of acute or late toxicities and present and carry out a comprehensive management plan with minimal attending physician oversight

Interpersonal and Communication Skills

- Exemplify empathy and conscientious attention to patient/family related concerns surrounding their cancer care and management

Systems-based Practice

- Integrate necessary non-radiation interventions to facilitate patient care in multidisciplinary practice environment
- Identify system and process errors in order to improve quality of care delivery and patient safety
Professionalism

- Recognize and act quickly to protect patients from risk
- Recognize the limits of professional competence and scope of practice
- Develop a level of confidence and professionalism that confers trust by your patients

Teaching Methods:

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

Resident Assessment Methods:

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

Program Assessment Methods:

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