



Educational Goals and Objectives for Rotations on: Robotic Oncology—Emphasis on robotic oncologic and pelvic floor surgery

Goal

The goal of the Robotic Oncology rotation is to develop the knowledge, skills, and attitudes necessary to evaluate, diagnose, and manage patients with oncologic disease.

Objectives for PGY-4 Residents: At the end of the PGY-4 year, residents will:

Patient Care

- Demonstrate caring and respectful behaviors when interacting with patients and/or their families.
- Incorporates the patient preferences in making decisions about diagnostic and therapeutic interventions.
- Develops and executes patient care plans appropriate for chief resident
- Demonstrates an understanding of the importance of pain and symptom control for postoperative patients.
- Gathers essential and accurate information about patients.
- Demonstrates ability to manage ambulatory cancer patients on an outpatient basis.
- Apply clinical screening for common malignancies.
- Recognize typical presentations and clinical manifestations for different types of neoplasms.
- Stage specific neoplasms both clinically and pathologically, including the tumor, nodes and metastasis system.
- Relate tumor staging and prognosis.
- Identify margins of resection and how this relates to local recurrence.
- Compare laparoscopic versus open procedures for each case.
- Makes informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up to date scientific evidence, and clinical judgement.
- Develops and carries out patient management plans.
- Coordinate the overall care of patients for the team of residents and students.
- Demonstrates knowledge, psychomotor skills and judgement related to his/her role in the performance of operative surgical procedures.
- Arrives in the OR prepared for the cognitive components of his/her role in individual operative surgical procedures.
- Apply post-treatment screening/surveillance for common malignancies.
- Discuss the rationale of specific techniques and procedures involved in the surgical management of cancer.
- Demonstrates the ability to proceed through various steps of operative procedures in a manner that is consistent with the flow of the operation.



- Demonstrates the ability to make appropriate and timely decisions with respect to the operative procedure.
- Demonstrate competence in the most complex surgical procedures.
- Demonstrate manual dexterity appropriate for PGY-4

Medical Knowledge

- Mastery of surgical pathophysiology, pharmacology, physiology, and interpretation of scientific data in diagnosing and managing the cancer patient.
- Demonstrate ability to formulate and implement a diagnostic and treatment plan for metastatic diseases requiring surgical intervention.
- Demonstrate familiarity with surgical literature in extensive areas of basic surgical diseases in the gastrointestinal tract and gynecologic organs.
- Relates basic medical knowledge to patient care.
- Critically evaluate and demonstrate knowledge of pertinent scientific information.
- Workup and determine the clinical stage of the major cancers according to AJCC criteria.
- Favored modality of treatment according to the primary site and extent (stage) of neoplastic disease.
- Demonstrate an understanding in the roles of surgery, chemotherapy, and radiation therapy as curative, adjuvant or palliative measures in the total management of the cancer patient.
- Analyze and present complications at weekly M&M conference.
- Exhibit knowledge base sufficient to teach junior level residents and students on the service.
- Demonstrate surgical competence by the use of significant surgical knowledge and advanced skill to achieve a performance that produces appropriate and anticipated outcomes.
- Demonstrate the capacity to integrate surgical continuity of care principles into the total care plan for all surgical patients.
- Through leadership and teaching, demonstrate understanding of the significance of the natural history of surgical disease, the consequence of surgical care (both positive and negative), and the influence of continuity of care upon surgical outcomes.
- Exhibit the capability to integrate surgical continuity of care principles into the total care plan for all surgical patients.
- Incorporate the knowledge of ethical, legal, economic, and/or social factors into the activities of the entire surgical team for all components of surgical care.

Practice-based Learning and Improvement

- Incorporate scientific evidence, analyze and present complications at the weekly Morbidity and Mortality Conference.



Professionalism

- Take responsibility for ensuring duty hour regulations are followed by all members of the team.
- Assume responsibility for patient care.

Interpersonal and Communication Skills

- Participate in the evaluation of patients requiring consultation.
- Present patients in a logical and concise manner.
- Effectively listen to patients and families.
- Communicate effectively with patients and families, avoiding technical terms and jargon.
- Learn to communicate “good” or “bad” news to patients and family.
- Provide feedback to junior residents regarding performance and fund of knowledge.
- Learn to communicate and function effectively and appropriately with a healthcare team.
- Dictate complete, accurate, and timely discharge summaries.
- Maintain orderly medical records and transfer notes.
- Practice effective and efficient sign-outs to on-call residents.
- Be able to appropriately order vascular non-invasive studies and have a working understanding of their interpretation.
- Provide an educational environment for residents and medical students.

Systems-based Practice

- Recognize the roles and responsibilities of the surgeon in relation to those of physicians and surgeons in other disciplines and specialties, pathologists, nurses, anesthesiologists, advanced nurse practitioners, physician assistants, pharmacists, and administration.
- Evaluate surgical disease with attention to various diagnostic tests and modalities that are used to define the type and extent of the pathology, which will determine the need for surgical intervention.
- Be able to appropriately order and interpret radiologic studies to assess vascular disease processes.
- Understand the nuances related to costs of care.
- Ensure follow-up to referral physicians.
- Demonstrate sensitivity to family, cultural, ethnic, age, gender, and community issues during interactions with patients, families, and members of the healthcare team.