Medical Knowledge: Demonstrates knowledge about established and evolving biomedical, clinical, and cognate (e.g. epidemiological and social-behavioral) sciences; applies this knowledge to patient care; demonstrates an investigatory and analytic thinking approach to clinical situations; and demonstrates a commitment to lifelong learning.

Knowledge:
- Understand the indications for each endoscopic procedure.
- Demonstrate an understanding of risk of complications for each procedure.
- Exhibit safe use of conscious sedation in gastrointestinal endoscopy.
- Understand indications and diagnose accuracy of each procedure.
- Demonstrate an understanding of basic endoscopic findings.
- Understand the basic setup of the modern endoscopy suite.
- Exhibit basic care of fiberoptic endoscopy equipment including setup, disinfection, and storage.
- Understand the basic techniques for safe and effective diagnostic endoscopy.
- Understand the rationale and implementation of colorectal cancer screening.

Patient Care: Demonstrate patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Compassionate Patient Care:
- Demonstrates 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.
- Demonstrates an understanding of the importance of pain and anxiety associated with procedures.

Appropriate Patient Care:
- Gathers essential and accurate information about patients.
- Demonstrate ability to manage ambulatory patients on an outpatient basis.
- Recognize typical presentations and clinical manifestations for different types of neoplasms.
- Makes informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment.
- Develops and carries out patient management plans.
- Demonstrate knowledge of the indications and contraindications for various medications used in the preparation and performance of procedures.

Effective Treatment and Health Promotion:
- Performs competently all essential medical and invasive procedures.
- Provides health care services aimed at preventing health problems and maintaining health.
- Works with health care professionals, including those from other disciplines, to provide Patient-focused care.

Technical Skills in Patient Care:
- Arrives prepared for the cognitive components of his/her role in individual procedures.
- Demonstrates manual dexterity appropriate for PGY-2 and PGY-3.
- Apply post-treatment screening/surveillance for common malignancies.
- Discuss the rationale of specific techniques and procedures involving endoscopic procedures.
- Demonstrates the ability to proceed through various steps in a manner that is consistent with the flow of the procedure.
- Demonstrates the ability to make appropriate and timely decisions with respect to the procedure.
- Demonstrate competence in the most complex endoscopic procedures.
- Demonstrates an understanding of the benefits and limitations of endoscopic techniques.
• Assist attending staff with complex procedures.
• Patient communication and documentation: how to discuss procedure with patients.
• Understand the rationale and implementation of colorectal cancer screening

Practice-Based Learning and Improvement: *Investigates and evaluates patient care practices, appraises and assimilates scientific evidence, and improves his/her patient care practices.*

**Investigates And Evaluates Patient Care Practices:**
- Analyzes practice experience using a systematic methodology.
- Obtains and uses information about their population of patients and the larger population from which patients are drawn.

**Appraises and Assimilates Scientific Evidence Relevant To Patient Care:**
- Locates, appraises, and assimilates evidence from scientific studies related to their Patients’ health problems.
- Demonstrates a working knowledge of prior research milestones, current research efforts, and cancer research methodology.
- Applies knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness.
- Performs practice-based improvement activities using a systematic methodology.
- Uses information technology to manage information, access on-line medical information; and support his/her own education.
- Facilitates the learning of junior level residents.
- Exhibit and recognize the importance of lifelong learning in surgical practice.

**Improves Patient Care Practices:**
- Demonstrates the ability to analyze personal practice outcomes to improve patient care.
- Performs practice-based improvement activities using a systematic methodology.
- Uses information technology to manage information, access on-line medical information; and support his/her own education.

**Interpersonal and Communication Skills:** *Demonstrate interpersonal and communication skills that result in effective information exchange and collaboration with patients, their families, and other health professionals.*
- Demonstrates skill and sensitivity for appropriate counseling and educating patients and their families in a variety of clinical situations.
- Creates and sustains therapeutic and ethically sound relationships with patients and families.
- Demonstrate an understanding of the roles of other non-medical professional group and disciplines in the total care of the patient with cancer.
- Works effectively with others as a leader of the health care team and/or other professional groups.
- Effectively and promptly documents practice activities.
- Presents all patients and conference material in a concise, organized, chronologic, logical and knowledgeable manner.
- Utilizes input from all collaborative interactions with all personnel contributing to the surgical patient care.
- Contribute via effective teaching and example to the educational efforts of the surgical residency.
- Evaluates the performance and competence of all members of the surgical residency team.

**Professionalism:** *Demonstrate a commitment to carrying out professional responsibilities; adhere to ethical principles, and sensitivity to a diverse patient population.*
• Demonstrates respect, compassion and integrity; a responsiveness to the needs of patients and society that supercedes self-interest; accountability to patients, society and the profession; and a commitment to excellence and on-going professional development.
• Demonstrates a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.
• Demonstrates sensitivity and responsiveness to patients’ culture, age, gender, and disabilities.
• Exhibits professionalism through timely completion of required administrative responsibilities (evaluations, recording hours, chart documentation, medical record dictations, etc.).
• Maintain positive relationships.
• Demonstrate accountability for actions and decisions.

Systems-Based Practice: Demonstrates an awareness of and responsiveness to the larger context and system of health care and effectively calls on system resources to provide care that is of optimal value.

Awareness and Responsiveness to the Health Care System:
• Understands how patient care and other professional practices affect other health care professionals, the health care organization, and the larger society. Understand how these elements of the system affect their own practice.
• Knows how types of medical practice and delivery systems differ from one another, including methods and controlling health care costs and allocating resources.
• Utilize appropriate social agencies and support groups in cancer patient management.

Utilization of System Resources:
• Practices cost-effective health care and resource allocation that does not compromise quality of care.
• Advocates for quality patient care and assist patients in dealing with system complexities.
• Partner with health care managers and health care providers to assess, coordinate, and improve health care and understands how these activities can affect system performance.

Procedure Benchmarks: Residents must be able to recognize indications for upper endoscopy, colonoscopy, and flexible sigmoidoscopy.

• Be proficient in basic endoscopic techniques including examination of the rectum and left colon by flexible endoscopy.
• Assist in colonoscopy and upper endoscopy (including esophageal intubation in the patient with conscious sedation).
• Exhibit basic techniques for safe and effective diagnostic endoscopy.
• Understand and demonstrate basic care of fiberoptic endoscopy equipment including setup, disinfection, and storage.
• Demonstrate basic setup of the modern endoscopy suite.

Assessment: Residents will be assessed throughout the program. The results will be utilized to improve resident performance. Residents will be evaluated on competence in patient care, medical knowledge, practice-based learning and improvement, interpersonal and communication skills, professionalism, and systems based practices. The process of using assessment results to achieve progressive improvement in residents’ competence and performance, and direct experience for progressive responsibilities for patient management.

1) PATIENT CARE
   a) Weekly basic science conference
   b) New Innovations evaluations by Faculty (including mid-rotation feedback sessions)
   c) Endoscopy technique evaluation by Faculty
2) MEDICAL KNOWLEDGE
   a) Annual ABSITE
   b) Written evaluation by faculty (including mid-rotation feedback sessions)

3) PRACTICE-BASED LEARNING
   a) Faculty evaluation

4) PROFESSIONALISM
   a) Faculty critique of weekly GI/Radiology/Surgery conference
   b) 360 evaluations
   c) By Faculty (including mid-rotation feedback sessions)
   d) By other resident staff members

5) INTERPERSONAL RELATIONSHIPS & COMMUNICATION
   a) 360 evaluations
   b) By Faculty (including mid-rotation feedback sessions)

6) SYSTEMS-BASED PRACTICE
   a) Combined GI/Radiology/Surgery conference