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:
- 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, head and neck, soft tissue, skin and breast.
- Must relate basic medical knowledge to patient care. Residents must critically evaluate and demonstrate knowledge of pertinent scientific information.
- Workup and determination of 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 Death and Complication 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.

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 appropriate for chief resident.
- Demonstrates an understanding of the importance of pain and symptom control for postoperative patients.

Appropriate Patient Care:
- Gathers essential and accurate information about patients.
- Demonstrate 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.
• Evaluates patients with complex surgical indications and presents a differential diagnosis.
• 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 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.
• Coordinate the overall care of patients for the team of residents and students.

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.
• Demonstrates an understanding of the indications for and actions of pharmacologic support in the postoperative state.
• Demonstrates an understanding of the indications and means for implementing nutritional support in the pre and post operative cancer patient.
• Explain the fundamental principles of radiation oncology and detail its application as a primary therapy for the treatment of selected benign and malignant lesions.

Technical Skills in Patient Care:
• Demonstrates knowledge, psychomotor skills and judgment 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 cases
• Demonstrates an understanding of the benefits and limitations of operative surgical techniques.
• Assist attending staff with complex surgical procedures.
• Demonstrates manual dexterity appropriate for PGY-4 and PGY-5.

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.
• Facilitates the learning of junior level residents.

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
• Exhibits surgical team leadership.
• Contribute via effective teaching and example to the educational efforts of the surgical residency.
• Participate in a multidisciplinary tumor board
• 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 supersedes 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.
- Understand the role of palliative care in the treatment of cancer patients
- Participate in multidisciplinary gi tumor conference
- 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 at the PGY-4 and PGY-5 must be able to perform the procedures listed, in most cases, independently with little supervision. PGY-4 and PGY-5 resident should be able to take junior level resident through some of the cases as the chief.**

- Modified Radical Mastectomy
- Radical lymph node dissection
- Esophagectomy
- Gastrectomy
- Pancreatectomy
- Partial colectomy
- Low Anterior Resection
- Abdominal Perineal Resection
- Liver resection/ablation
- Soft part resections for sarcoma
- Head and neck resections.
- Demonstrate the capability for independent function in all aspects of cancer patient management, including palliative care planning.
- Perform colostomies, colostomy closures, and bowel anastomoses of all types.
- Proficiency in fine-needle and core biopsies of the breast
- Proficiency in gamma probe-directed or dye-directed sentinel lymph node biopsy for breast cancer and melanoma.
- Perform with appropriate supervision, major resections in neck, chest, abdomen, breast, and extremity, including complex operative procedures (e.g., Whipple procedures, major neck dissections, segmental and lobar hepatic resections).

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) Weekly Attending Rounds

2) MEDICAL KNOWLEDGE
a) Annual ABSITE
b) Written evaluation by faculty (including mid-rotation feedback sessions)
c) Faculty evaluation weekly surgical oncology conference
d) Annual Mock Oral examinations
e) Weekly Attending Rounds
f) Presentation at twice monthly tumor board
g) Weekly breast conference
h) Weekly GI tumor center conference

3) PRACTICE-BASED LEARNING
   a) Faculty evaluation
   b) Weekly D and C
   c) Weekly attending rounds
d) Weekly tumor board
e) Multidisciplinary GI tumor conference

4) PROFESSIONALISM
   a) Faculty critique of weekly surgical oncology 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) Weekly surgical oncology conference
   b) Twice monthly tumor board
c) Faculty evaluation
d) Breast conference
e) Weekly Department of Surgery D and C
f) GI tumor conference
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:
- 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, head and neck, soft tissue, skin and breast.
- Must relate basic medical knowledge to patient care. Residents must critically evaluate and demonstrate knowledge of pertinent scientific information.
- Workup and determination of 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.
- 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.

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.
- Demonstrates an understanding of the importance of pain and symptom control for postoperative patients.

Appropriate Patient Care:
- Gathers essential and accurate information about patients.
- Demonstrate 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.
• Evaluates patients with complex surgical indications and presents a differential diagnosis.
• 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 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.
• Coordinate the overall care of patients for the team of residents and students.

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.
• Demonstrates an understanding of the indications for and actions of pharmacologic support in the postoperative state.
• Demonstrates an understanding of the indications and means for implementing nutritional support in the pre and post operative cancer patient.
• Explain the fundamental principles of radiation oncology and detail its application as a primary therapy for the treatment of selected benign and malignant lesions.

Technical Skills in Patient Care:
• Demonstrates knowledge, psychomotor skills and judgment related to his/her role in the performance of operative surgical procedures.
• Demonstrates manual dexterity appropriate for PGY-3and PGY-2.
• 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.
• Demonstrates an understanding of the benefits and limitations of operative surgical techniques.
• Assist attending staff with complex surgical procedures.
• Demonstrate the capability for independent function in all aspects of cancer patient management, including palliative care planning.

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.
- Facilitates the learning of junior level residents.

Interpersonal and Communication Skills: Demonstrates 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.
- Exhibits surgical team leadership.
- Contribute via effective teaching and example to the educational efforts of the surgical residency.
- Participate in a multidisciplinary tumor board.
- 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.
• Participate in multidisciplinary GI tumor center
• 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 provides to assess, coordinate, and improve health care and understands how these activities can affect system performance.

Procedure Benchmarks:  Residents at the PGY-2 and PGY-3 must be able to perform the procedures listed.

- Mastectomy (segmental, simple, modified radical)
- Soft part resections for sarcoma
- Perform excisions for melanoma
- Perform colostomies, colostomy closures, and bowel anastomoses of all types with supervision
- Proficiency in fine-needle and core biopsies of the breast
- Proficiency in gamma probe-directed or dye-directed sentinel lymph node biopsy for breast cancer and melanoma.

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) Weekly Attending Rounds

2) MEDICAL KNOWLEDGE
   a) Annual ABSITE
   b) Written evaluation by faculty (including mid-rotation feedback sessions)
   c) Faculty evaluation weekly surgical oncology conference
   d) Annual Mock Oral examinations
   e) Weekly Attending Rounds
   f) Presentation at twice monthly tumor board
   g) Weekly breast conference
   h) Weekly GI tumor center conference

3) PRACTICE-BASED LEARNING
   a) Faculty evaluation
   b) Weekly D and C
   c) Weekly attending rounds
   d) Weekly tumor board
   e) Multidisciplinary GI tumor conference
4) PROFESSIONALISM
   a) Faculty critique of weekly surgical oncology 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) Weekly surgical oncology conference
   b) Twice monthly tumor board
   c) Faculty evaluation
   d) Weekly breast conference
   e) Weekly GI tumor conference
   f) Department of Surgery D and C
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:
- 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, head and neck, soft tissue, skin and breast.
- Must relate basic medical knowledge to patient care. Residents must critically evaluate and demonstrate knowledge of pertinent scientific information.
- Workup and determination of 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.
- 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.
- Understand the indications for adjuvant chemotherapy for colon cancer
- Understand the initial workup of patients with diagnosed colon cancer
- Understand the blood supply and lymphatic drainage of the colon and rectum
- Understand the sequence of evaluation for patients with obstructive jaundice at the level of the ampulla and at the bifurcation of the bile duct
- Understand algorithm for the evaluation of a new breast mass
- Understand the classification of benign and malignant breast lesions
- Understand the role of various biopsy techniques (open, needle localization, stereotactic, core, FNA)
- Know the major prognostic factors and staging system for malignant cutaneous melanoma.

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 appropriate for chief resident.
- Demonstrates an understanding of the importance of pain and symptom control for postoperative patients.
• Understand the process of preoperative preparation for patients undergoing colorectal resection
• Understand the management of malignant bowel obstruction
• Understand routine drain and catheter management
• Understand late radiation toxicity and effects on wound healing
• Understand fluid and electrolyte replacement in patients undergoing complex GI cancer surgery.

Appropriate Patient Care:
• Gathers essential and accurate information about patients.
• Demonstrate ability to manage ambulatory cancer patients on an outpatient basis.
• Apply clinical screening for common malignancies.
• Describe the appropriate management of the axillary drain following axillary
• 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.
• Evaluates patients with complex surgical indications and presents a differential diagnosis.
• 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 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.
• Coordinate the overall care of patients for the team of residents and students.

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.
• Demonstrates an understanding of the indications for and actions of pharmacologic support in the postoperative state.
• Demonstrates an understanding of the indications and means for implementing nutritional support in the pre and post operative cancer patient.
• Explain the fundamental principles of radiation oncology and detail its application as a primary therapy for the treatment of selected benign and malignant lesions.

Technical Skills in Patient Care:
• Demonstrates knowledge, psychomotor skills and judgment related to his/her role in the performance of operative surgical procedures.
• Demonstrates manual dexterity appropriate for PGY1
• 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 cases
• Demonstrates an understanding of the benefits and limitations of operative surgical techniques.
• Assist attending staff with complex surgical procedures.
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.
- Facilitates the learning of junior level residents.

**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
- Exhibits surgical team leadership.
- Contribute via effective teaching and example to the educational efforts of the surgical residency.
- Participate in a multidisciplinary tumor board
- 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 provides to assess, coordinate, and improve health care and understands how these activities can affect system performance.

**Procedure Benchmarks:**  *Residents at the PGY-1 must be able to perform the procedures listed, in most cases, independently with little supervision.*

- Diagnostic fine-needle aspiration of cysts
- Drainage of simple breast abscesses
- Core needle biopsy of breast masses
- Open biopsy of superficial masses
- Insertion of access devices for chemotherapy
- Excision of skin lesions
- Excision of lymph nodes
- Assist with radical neck dissection, and salivary gland, excisions
- Perform fine-needle biopsies
- Perform simple operative incisions with supervision (tracheostomy, intubation, simple lesions of head & neck)

**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) Weekly Attending Rounds

2) MEDICAL KNOWLEDGE
   a) Annual ABSITE
   b) Written evaluation by faculty (including mid-rotation feedback sessions)
   c) Faculty evaluation weekly surgical oncology conference
   d) Annual Mock Oral examinations
   e) Weekly Attending Rounds
   f) Presentation at twice monthly tumor board
   g) Weekly breast conference
   h) Weekly GI tumor center conference

3) PRACTICE-BASED LEARNING
   a) Faculty evaluation
   a) Weekly D and C
   b) Weekly attending rounds
   c) Weekly tumor board
   d) Multidisciplinary GI tumor conference

4) PROFESSIONALISM
   e) Faculty critique of weekly surgical oncology conference
   a) 360 evaluations
   b) By Faculty (including mid-rotation feedback sessions)
   c) 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) Weekly surgical oncology conference
   b) Twice monthly tumor board
   c) Faculty evaluation
   d) Breast conference
   e) Weekly GI tumor conference
   f) Multidisciplinary discharge rounds