

UWHC General Surgery Preliminary Year – Radiology Learning Plan

Clinical Curriculum

- Colorectal Surgery
- Surgical Oncology
- Pediatric Surgery
- Surgery Elective (MIS, Endocrine, Vascular, Thoracic)
- Transplantation Surgery
- Trauma/Critical Care
- General Surgery (Meriter)
- Night Float
- General Surgery (VA)
- Radiology electives (2 months)

Didactic Curriculum

- Summer Core Competencies Seminar
- Professionalism seminars & workshops
- Education Retreat
- Resident Research Forum
- Surgical Ethics Rounds

Weekly Conference Schedule:

Department M&M and Grand Rounds	Wed., 6:30a – 8:20a (September – May)
Summer Core Competencies Seminar	Wed. 7:00a – 8:00a (June – August)
General Surgery Case Conference	Thurs. 4:30p – 5:30p
Evidence-Based Surgery Conference	Thurs. 4:30p – 5:30p (monthly)
Professor’s Hour Case Conference	Friday 6:45a – 7:45a

Rotation-specific conference schedule

Monday	Tuesday	Wednesday	Thursday	Friday
Trauma case conference	Pediatric surgery conference	Vascular surgery conference	Transplant Lecture Series	VA General Surgery Teaching Rounds
	Hepatobiliary multi-disciplinary case conference		Colorectal multi-disciplinary case conference	
	Colorectal Indications conference			

PGY-1 Competency-Based Goals & Objectives

Patient Care

1. Manage a variety of surgical patients using a systematic approach, including recognizing and assessing symptoms and signs, ordering appropriate tests and procedures, evaluating data, and initiating appropriate actions.
2. Make appropriate decisions regarding involvement of other team members in patient care, including notification of more senior residents or attending surgeons, involvement of other health care professionals, and, when appropriate, implementation of independent decisions.
3. Assume care of all patients on the hospital floor and be responsible for admission/discharge of all patients on the hospital floor and day surgery units.
4. Perform a complete, accurate history and physical examination on every new admission to the service.
5. Make daily assessments and plans on every floor patient on the service and have full knowledge of all medical problems and progress of all floor patients.
6. Perform all invasive procedures on floor patients, with appropriate supervision.
7. Order appropriate diagnostic and imaging tests on floor patients.
8. Ensure proper disposition and follow-up of all patients discharged from the hospital.

Clinical management of common surgical diseases/conditions, including:

Inguinal Hernia	Femoral Hernia	Ventral Hernia
Jaundice	Cholangitis	Acute Cholecystitis
Chronic Cholecystitis	Upper Gastrointestinal Bleeding	Large Bowel Obstruction
Acute Appendicitis	Diverticulitis	Hemorrhoids
Anal Fissure	Anorectal Abscess & Fistulae	Breast Mass
Nipple Discharge	Fibroadenoma	Gynecomastia
Pilonidal Cyst and Sinus	Venous Thrombosis-Embolism	Inguinal Hernia in Children
Acute Abdominal Pain	Intra-Abdominal Abscess	Rectus Sheath Hematoma
Postsplenectomy Sepsis	Duodenal Ulcer	Fat Necrosis
Benign Disease	Galactocoele	Hypercalcemia
Hypocalcemia	Hyperthyroidism	Pelvic Inflammatory Disease
Upper Airway Obstruction	Management of Acute Pain	Umbilical Hernia
Nevi	Evaluation of Soft Tissue Masses	Epidermal Cyst
Hidradenitis	Cellulitis	Paronychia
Wound Infection	Hypovolemic Shock	Septic Shock
Cardiogenic Shock	Neurogenic Shock	Respiratory Failure
Cardiac Failure	Derangements of Electrolytes and Acid Base	Anaphylaxis
Pneumonia - Hospital Acquired	Pneumothorax	Hemothorax
Pleural Effusion - Empyema	Cardiac Tamponade	

Medical Knowledge

1. Demonstrate knowledge of the fundamentals of basic science as applied to the clinical practice of surgery.
 - a. Prepare for and attend the monthly Basic Science/Evidence-Based Surgery Conference on Thursdays at 4:30 p.m. The resident should read about each basic science topic from a surgical textbook of his or her choice and take the multiple choice tests at the beginning of each conference. *A minimum of 70% of the tests must be taken on time and a minimum test average of 70% must be maintained.*
 - b. Read the textbooks and articles required for each rotation and be able to discuss their application to peri-operative management of patients on the service.

Resident will demonstrate medical knowledge applied to patient care in the following areas:

- Fluids, electrolytes and acid-balance
- Immunology
- Geriatric surgery and end-of-life care
- Immunology
- Infection and antimicrobial therapy
- Oncology and tumor biology
- Nutrition and metabolism
- Pharmacology

Interpersonal and Communication Skills

1. Demonstrate being an effective member in the team management of patients
 - a. Clearly, accurately, and succinctly present pertinent information to faculty and senior residents regarding newly admitted patients.
 - b. Keep senior residents aware of progress of all patients and alert them of new problems on the service.
 - c. Clearly, accurately, and respectfully communicate with nurses and other hospital employees.
 - d. Clearly, accurately, and respectfully communicate with referring and consulting physicians, including residents.
2. Clearly, accurately, and respectfully communicate with patients and appropriate members of their families about identified disease processes (including complications), the expected courses, operative findings, and operative procedures with assistance from upper level residents.
3. Maintain clear, concise, accurate, and timely medical records including (but not limited to) admission history and physical examination notes, consultation notes, progress notes, written and verbal orders, operative notes, and discharge summaries.

4. Write an accurate, detailed, and legible preoperative assessment and counseling note on all patients for which he/she serves as surgeon of record.
5. Dictate an accurate and descriptive narrative of the operative procedure in which he/she is the primary surgeon within 24 hours.
6. Clearly and accurately teach medical students about pathophysiology of common diseases and condition of general surgery patients and options for treatment.
7. Begin developing skills in formal presentation of medical information, as demonstrated by a minimum of one formal presentation during year (e.g., each PG1 presents basic science topic at Evidence Based Surgery Conference. Other opportunities include: case presentations at rotation conferences, presentations to medical students, research presentation at Resident Research Day or national conference).

Practice-Based Learning and Improvement

1. Be able to explain decisions regarding treatment and management of surgical patients by citing relevant research, standards and protocols.
2. Describe indications for procedures performed, including explanation of disease, diagnosis, treatment options, risks, complications, and pre- and post-operative patient management, both in clinical setting and didactic conferences.
3. Perform a PubMed search and literature review on the surgical treatment of common surgical diseases and treatments.
4. Know the basic aspects and principles of Evidence Based Surgery, including, as demonstrated by the ability to:
 - a. ask a focused question
 - b. describe levels of evidence
 - c. describe the evidence based surgery process
 - d. apply evidence based surgery process to clinical decisions
5. Assess learning needs, as demonstrated by the following:
 - a. semi-annual self-assessment of procedural skills and training needs
 - b. semi-annual progress meeting with faculty mentor
 - c. decision whether to pursue two years of research outside of clinical residency
6. Begin working with faculty on at least one research project before the end of first year.
7. If planning to do research for two years between 2nd and 3rd clinical years:
 - a. Research and choose a research PI for your two-years of research
 - b. Identify training needs related to your research and/or long-term career goals.

Systems-Based Practice

1. Demonstrate proficiency in use of HealthLink electronic medical record for all aspects of patient care.
2. Appropriately utilize, in a timely and cost-efficient manner, ancillary services, including social services, discharge planning, physical therapy, nutrition services, pharmacy, and physician extenders.
3. Summarize the financial costs, the risks and benefits of the proposed diagnostic studies and therapeutic procedures.
4. Advocate for quality patient care and assist patients in dealing with system complexities.
5. Demonstrate an understanding of primary types of purchasers, insurers, providers and users in the US healthcare system.

Professionalism

1. Demonstrate honesty with all individuals at all times in conveying issues of patient care.
2. Maintain high ethical behavior in all professional activities.
3. Demonstrate a commitment to the continuity of patient care through carrying out individual professional responsibilities, including assuring that those responsibilities are fully and accurately conveyed to others involved in the team management of the patient.
4. Demonstrate the ability to discuss with patient informed consent, including knowledge of:
 - a. ethical principles and issues involved
 - b. how to communicate risk
 - c. common situations in which religion, gender, race and age factor into informed consent discussions.
5. Remain compliant with all required training designated by the institution and the residency program.
6. Demonstrate understanding of the institutional policy on duty hours and remain compliant with all duty hour regulations. Residents must enter the number of hours spent in the hospital into the tracking system (E-Value) within four days of duty.
7. Be properly and professionally attired at all times while engaged in patient care.
8. Demonstrate sensitivity to issues of age, race, gender, and religion with patients, families, and members of the health care team.
9. Treat patients, families, and all members of the health care team with respect.
10. Reliably be present in pre-arranged places at pre-arranged times except when actively engaged in the treatment of a medical or surgical emergency. The resident must notify the appropriate supervisor if he or she cannot be present.

11. Attend all mandatory conferences