

## **CHIEF RESIDENTS**

### **1. Patient Care**

#### **a) Overall Competency Goals**

- 1) Develop proficiency in independent evaluation of all surgical patients, development of a management plan that is effectively communicated up and down the surgical hierarchy, and ability to implement this plan.
- 2) Develop familiarity and comfort with the most difficult surgical procedures (redo surgery, hepatic resections, pancreatic resections, low anterior resections with colo-anal anastomoses, esophageal resections, etc.).
- 3) Develop the leadership, organizational and administrative skills required to manage a surgical service, to provide an educational environment on the services, to provide instruction to the junior residents and students, and to provide relevant literature to the junior residents.
- 4) Develop proficiency with assistant/teaching skills and exposure techniques.

#### **b) Specific Learning Objectives**

- 1) Given the presentation of a complex general or vascular surgery patient such as a patient with an enterocutaneous fistula, inflammatory bowel disease, advanced cancer, multiple previous operations, or multiple comorbid conditions, describe the most appropriate diagnostic tests and management.
- 2) Demonstrate satisfactory performance in planning and execution of basic and complex operations in general and vascular surgery including all benchmark PGY-1 to PGY-4 procedures, lung resections, laparoscopic Nissen funduplications, esophagectomy, liver and pancreatic resection, low anterior resection, ileoanal pouch procedure, abdomino-perineal resection, aorto-femoral bypass, carotid endarterectomy and resection of enterocutaneous fistulae.
- 3) Demonstrate effective leadership of a surgical service, providing efficient safe and cost-effective care while mentoring junior residents, interns, and medical students.
- 4) Demonstrate the ability to guide junior residents and interns through operations and procedures.

#### **c) Teaching Methods (correspond to objectives in b)**

- 1) Rotation-specific readings and direct patient experience under faculty supervision.
- 2) Intraoperative teaching.
- 3) Direct faculty mentorship.
- 4) Intraoperative teaching and faculty mentorship.

#### **d) Evaluation Methods (numbers in parentheses refer to objective number in b) above)**

- 1) Oral exams. (1)
- 2) Teaching rounds. (1)
- 3) Presentations in clinics and conferences. (1)
- 4) Rotation-specific conferences. (1)
- 5) 360° evaluation by interns and junior residents. (3, 4)
- 6) Operative performance evaluations. (2, 4)

7) Global rating forms. (1-4)

## 2. **Medical Knowledge**

### a) **Overall Competency Goals**

1) Achieve a sufficiently broad general knowledge of the clinical science of the primary components and secondary areas of general surgery to be able to manage independently most problems encountered as well as to teach the basic principles to more junior members of the team.

### b) **Specific Learning Objectives**

1) Given a common condition requiring operation in general surgery or its specialties (otolaryngology, orthopedics, neurosurgery, urology, pediatric surgery, trauma, vascular surgery, and renal or liver transplant), describe the basic preoperative assessment of the patient, indications for surgery, and the expected course of uncomplicated post-operative recovery.

2) Given the signs and symptoms of a postoperative complication such as deep venous thrombosis, atelectasis, pneumonia, myocardial infarction, infection, stroke, renal failure, or operative site breakdown, demonstrate recognition of the nature of the problem and describe its appropriate evaluation and management.

3) Given a description of a surgical emergency, such as bleeding, hypotension, coma, seizure, cardiac or respiratory arrest, list the necessary steps in its evaluation and management.

4) Demonstrate acquisition of satisfactory open and laparoscopic skills for the PGY-1 level by passing the FLS examination and all rotation-specific operative skills evaluations.

### c) **Teaching Methods (correspond to objectives 1-4 in b) above)**

1a) Day-to-day supervised care of surgical patients.

1b) Assigned readings for each rotation.

2a) Supervised on-call experiences.

2b) Rotation-specific and residency-wide teaching conferences.

3) Intern conference and rotation-specific conferences.

4) Supervised open operative surgery and laparoscopic operative skills laboratory.

### d) **Evaluation Methods (numbers in parentheses refer to objective number in b) above)**

1) Oral exams (rotation-specific). (1-3)

2) Teaching rounds. (1-3)

3) Presentations in clinic. (1)

4) Rotation-specific conferences. (1-3)

5) FLS exam. (4)

6) Operative performance evaluations. (4)

7) Global rating forms. (1-4)

### 3. **Practice-Based Learning and Improvement**

#### a) **Overall Competency Goals**

- 1) Learn to apply information provided in rotation-specific and residency-wide reading and conferences to the care of your patients.
- 2) Develop the ability to teach and mentor medical students assigned to your service.
- 3) Develop the skill to access electronically the current literature regarding your patients' medical conditions and incorporate the information into your care of patients.

#### b) **Specific Learning Objectives**

- 1) Demonstrate the ability to analyze your own decisions and performance; describe areas of deficiency and strategies for improvement.
- 2) Demonstrate the ability to facilitate the learning of medical students.
- 3) Demonstrate the effective use of text and online literature to select treatment strategies.

#### c) **Teaching Methods**

- 1) Required weekly department conferences (Grand Rounds, Morbidity & Mortality, Resident Conference).
- 2) Weekly rotation-specific conferences.
- 3) Preparation and presentation of M&M (as assigned) in a manner that instructs the audience in systems problems and strategies to avoid the problem.
- 4) Resident conference on critical appraisal of the literature.
- 5) Critical case review: preparation and presentation to their advisor of at least one clinical case and one critical incident each six months.

#### d) **Evaluation Methods (numbers in parentheses refer to objective numbers in b) above)**

- 1) Oral exams (rotation-specific). (1, 3)
- 2) Presentation at Morbidity and Mortality Conference as assigned. (3)
- 3) Teaching rounds. (1, 3)
- 4) Rotation-specific conferences. (1, 3)
- 5) Student evaluations. (2)
- 6) Global rating forms. (1, 3)

### 4. **Interpersonal Skills and Communication**

#### a) **Overall Competency Goals**

- 1) Develop proficiency in the management and leadership of a ward service, utilizing the cooperative skills of medical students, junior residents, nurses and ancillary personnel.
- 2) Develop the skills required to manage and lead a general or vascular surgical service, offering example and guidance to medical students and junior residents.
- 3) Effectively communicate care plans to patients, families, nurses, and other health care personnel.
- 4) Teach students the basics of preoperative and postoperative care, writing orders and progress notes.
- 5) Write orders and notes in a complete and legible fashion.

6) Respond promptly and courteously to requests of staff; answer pages promptly.

**b) Specific Learning Objectives**

- 1) Demonstrate proficiency in the management and leadership of a ward service, utilizing the cooperative skills of medical students, nurses and ancillary personnel.
- 2) Provide structure and guidance to interns and junior residents by orienting them to their responsibilities, assuring that they carry out their duties, and that they comply with duty hours regulations; devise alternative strategies to assure continuity of patient care if juniors are fatigued or exceed their maximum hours.
- 3) Demonstrate skills for appropriately counseling and educating patients and their families.
- 4) Demonstrate effective documentation of practice activities with proper operative/procedure note dictations, clinic visit dictations, discharge summary dictations, daily progress notes and event notes.
- 5) Present all patient and conference material in a concise, organized, logical and knowledgeable manner.
- 6) Demonstrate the ability to communicate information vital to patient care to peers and superiors in the surgical hierarchy in a timely fashion.
- 7) Demonstrate skill and sensitivity in giving bad news, such as telling families that their loved ones have died or are critically ill, and managing patients with a variety of challenging emotional states including severe grief, fear, intoxication, and psychosis.

**c) Teaching Methods**

- 1) Teaching rounds.
- 2) Faculty example.
- 3) Service-specific teaching conferences.

**d) Evaluation Methods (numbers in parentheses refer to objective numbers in b) above)**

- 1) Teaching rounds. (1-7)
- 2) Performance evaluations by students. (1)
- 3) 360° evaluations (nurses, ward clerks). (1, 3)
- 4) 360° evaluations by interns and junior residents. (2)
- 5) Chart review by faculty. (4)
- 6) Global rating forms. (1, 4, 6, 7, 8)

**5. Professionalism**

**a) Overall Competency Goals**

- 1) Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

**b) Specific Learning Objectives**

- 1) Demonstrate respectful, altruistic and ethically sound behavior with patients and all members of the healthcare team.
- 2) Treat each patient, regardless of social or other circumstances, with the same degree of respect you would afford to your own family members.

- 3) Demonstrate sensitivity to cultural, age, gender and disability issues with patients and all members of the healthcare team.
- 4) Demonstrate a commitment to continuity of patient care by rounding on your service's patients twice a day at minimum.
- 5) Develop administrative skill in preparation of the weekly M&M reports and presentations at conferences.
- 6) Enter all cases in the Surgical Operative Log weekly on the ACGME site.
- 7) Complete all dictations and other medical staff requirements as they are due, including duty hours reporting.

**c) Teaching Methods**

- 1) Resident and faculty example.
- 2) Institutional GME conferences and workshops.
- 3) Resident Conferences.

**d) Evaluation Methods (numbers in parentheses refer to objective numbers in b) above)**

- 1) Medical Records reporting. (7)
- 2) 360° evaluations by nurses and ward clerks. (1-3)
- 3) 360° evaluations by peers. (1, 3, 4)
- 4) Monthly review of Surgical Operative Log by Program Director. (6)
- 5) Global rating forms. (1-5)

**6) Systems Based Practice**

**a) Overall Competency Goals**

- 1) Learn to work effectively with all other elements of the healthcare system to provide efficient, safe, thorough, and cost-effective care.

**b) Specific Learning Objectives**

- 1) Demonstrate effective communication with referring physicians throughout the region, including appropriate cc's on all dictated documents.
- 2) Demonstrate skill in working with other disciplines while assessing and managing consults, emergency room patients, and critically ill patients so that efficient, safe, and effective care is facilitated.
- 3) Develop an understanding of community private practice during the community rotations.
- 4) Demonstrate effective time management and adherence to work hours regulations.
- 5) Demonstrate an understanding of the larger system of hospital care by participating in weekly multidisciplinary rounds on appropriate services.

**c) Teaching Methods**

- 1) Teaching rounds.
- 2) Participation in interdisciplinary rounds and care conferences.
- 3) Attendance at outpatient clinic and faculty office hours.

**d) Evaluation Methods (numbers in parentheses refer to objective numbers in b) above)**

- 1) Chart review. (1, 2)
- 2) 360° evaluation by ward clerks and case managers. (2, 5)
- 3) Review of duty hours compliance records. (4)

**REQUIRED READINGS:**

- 1) Chapters 18, 21, 22, 24, 25, 26, 27, 28, 30, 31, 32, 34, and 35 in Schwartz' Principles of Surgery, 8<sup>th</sup> Ed (NY: McGraw-Hill), 2005.
- 2) SESAP 12

**CRITERIA FOR SATISFACTORY COMPLETION OF RESIDENCY:**

- 1) Fulfillment of all chief-year objectives.
- 2) Achievement of at least minimum numbers for all areas in the ACGME Surgical Operative Log.