

GOALS AND OBJECTIVES BY YEAR OF TRAINING

The following **general educational objectives** apply to residents at all levels and characterize the general requirements for successful completion of the residency program. A continuum of achievement in accomplishing these goals throughout residency training will serve as one marker of satisfactory progress.

1. The ability to evaluate surgical patients, including recognition of medical or surgical emergencies which threaten life or limb and require initiation of emergency medical or surgical care.
2. The ability to develop, defend and carry out a rational plan of care for surgical patients.
3. The ability to understand and participate in surgical education and research. All residents are expected to develop proficiency in use of surgical literature. Categorical residents are expected to complete one project that is accepted for publication in a peer-reviewed journal or presented at a major surgical meeting prior to completion of residency training.
4. Demonstration of a humane and considerate approach to patients and family members.
5. Proficiency in written and oral communication in bedside care, case presentations, the medical record and manuscripts.
6. Satisfactory and timely completion of medical record responsibilities.

The following yearly **educational objectives** characterize specific expectations for the professional maturation of residents. Promotion (or program completion in the case of PGY5 residents) will generally be dependent on satisfactory achievement of these objectives.

PGY-1 residents are expected to accomplish and maintain the following objectives:

1. Establish basic proficiency in the evaluation of patients under routine and emergency circumstances (recognizes surgical emergencies, performs a history and physical examination, orders appropriate basic ancillary studies, effectively communicates findings to other physicians).
2. Establish basic proficiency in providing pre-operative and post-operative care (writes appropriate pre-op and post-op orders for floor patients, handles nursing calls appropriately, manages most routine postoperative care with minimal intervention by supervisors).
3. Develop a working knowledge of common problems in general surgery, vascular surgery, surgical oncology and trauma (achieves acceptable grade on rotation evaluation).
4. Acquire basic operative skills necessary to perform less complex surgical procedures, such as hernia repair, central line procedures and minor outpatient surgery.
5. Develop personal values and interpersonal skills appropriate for the surgical resident (is available at required times, gives patient care needs highest priority).
6. Begin a regular program of reading and study, using a major surgical textbook

7. Perform comprehensive histories and physicals. Communicate findings to senior residents and other team members
8. Evaluate laboratory and radiographic studies by directly viewing these studies and communicating results to senior residents
9. Arrive in the operating room on time and prepared with a knowledge of the applicable anatomy and physiology.
10. Providing care for patients assigned, follow up on issues, and communicating issues with the senior residents and attendings
11. Provide for the day-to-day care of patients
12. Assist in the operating room
13. Begin to learn surgical technique under the direct supervision of attending surgeons
14. Learn the basics of postoperative care in the hospital and in the clinic
15. Teach rotating medical students
16. Develop interpersonal skills to optimize patient care among all members of the healthcare team.
17. Master basic pathophysiology of surgical disease
18. Familiarize themselves with our Matrix Conference program through increasing participation in discussions at this weekly conference.

PGY-2 residents are expected to accomplish and maintain the following objectives:

1. Develop enhanced proficiency in the provision of pre-operative and post-operative care (manages pre-operative and post-operative care of complex patients with minimal intervention by supervisors).
2. Establish a knowledge base and skill proficiency for the management of the critically ill surgical patient and the burned patient (achieves acceptable grade on rotation evaluation, can place endotracheal tube, S-G catheters, and arterial lines).
3. Develop organizational and teaching skills necessary for basic management of a surgical service (attends to organizational duties of service such as organizing rounds and teaching sessions).
4. Increased skill in operative technique required for procedures of increasing surgical complexity, such as skin grafting, more complex hernia repairs and complex soft-tissue surgery (is able to perform these operations with minimal assistance).
5. Provide in house coverage in the intensive care unit while on the SICU rotation
6. Develop interpersonal skills in the joint management of patients in the SICU
7. Continue a program of regular study of a basic textbook of surgery
8. Perform comprehensive histories and physicals
9. Convey appropriate information to senior residents
10. Formulate plans of care based on acquired information
11. Understand decision making processes used in the care of surgical patients
12. Understand the anatomy of surgical procedures. Know the procedure well the night before and arrive in the OR on time and well prepared.
13. Develop a postoperative plan of care with the senior residents and attendings and help implement that plan.
14. Provide day-to-day care of patients

15. Familiarize themselves with our Matrix Conference program through increasing participation in discussions at this weekly conference.
16. Teach interns and rotating medical students

PGY-3 residents (“946”) are expected to accomplish and maintain the following objectives:

1. Continues to develop technical skills necessary for the performance of more complex surgical procedures in general, pediatric, and minimally invasive surgery (performs laparoscopic cholecystectomy, small bowel resection, and other procedures of similar complexity).
2. Acquire proficiency in surgical endoscopy (successfully performs colonoscopy, EGD, anoscopy, bronchoscopy).
3. Establish a knowledge base, judgment and interpersonal skills necessary to function as a surgical consultant (successfully manages simple consults with minimal help).
4. Develop enhanced skills in the management of a surgical service (manages service administrative duties assigned by chief resident or faculty).
5. Proficiency in the rational use of surgical literature and evidence-based medicine (defends discussions and recommendation with scientific evidence).
6. Develop knowledge and skills necessary to function as the trauma team leader for both adult and pediatric patients (successfully directs trauma resuscitation).
7. Provide in house coverage for consultations and emergency room admissions
8. Assist at trauma admissions
9. Teach junior residents in the emergency room, and on rounds
10. Continue a program of reading and study of basic surgical material, as well as one or two journals on a regular basis
11. Refine interpersonal skills
12. Learn more advanced surgical techniques
13. Back up the residents in the SICU if needed
14. Presentations at Matrix Conference.
15. Teach rotating medical students

PGY-4 residents are expected to accomplish and maintain the following objectives:

1. Continue to develop knowledge and skills necessary for the complete management of common problems in general surgery and minimally invasive surgery, vascular surgery, and thoracic surgery (manages most common problems with minimal assistance).
2. Enhanced proficiency for functioning as the trauma team leader for both adult and pediatric patients (successfully directs trauma resuscitation).
3. Satisfactory performance as a teacher of junior residents and medical students (receives acceptable feedback from students and peers).
4. Competently manage a housestaff team in the perioperative care of the patient.
5. The major focus should be on broadening the depth of understanding of surgical illness, including basic science of surgery, non-operative and

- operative options, complications and their prevention, and surgical judgment.
6. Provide supervision of junior residents in carrying out patient care responsibilities
 7. Review notes as appropriate with junior residents
 8. Review laboratory data and studies with junior residents
 9. Assist junior residents in the development and conduct of plans of care
 10. Communicate details to attendings as appropriate
 11. Master the sophisticated pathophysiology of surgical patients
 12. Master the details of preoperative preparation of hospitalized patients and outpatients
 13. Master the details of an operative plan along with an understanding of risks, benefits, alternatives and complications.
 14. Work with the attending surgeon in the development of a postoperative plan of care
 15. Supervise junior residents in the execution of care plans
 16. Educate junior residents and medical students
 17. Refine interpersonal skills
 18. Learn surgical techniques
 19. Become conversant with a few surgical journals
 20. Conduct a regular program of advanced reading and study
 21. Conduct daily rounds
 22. Presentations at Matrix Conference.

PGY-5 usually given the greatest responsibility in the operating room and in the management of non-operative patients, but also has the greatest responsibility in managing the team of residents that he/she leads. Most importantly, this is *leadership by example*. In addition, residents are expected to accomplish and maintain the following objectives:

1. Develop knowledge and skills necessary to assume complete responsibility for the management of the surgical patient, including mastery of the fundamental components of surgery as defined by the American Board of Surgery (achieves acceptable score on written and oral examinations and receives acceptable evaluations).
2. Proficiency in management of complex problems in general surgery, minimally invasive surgery, and surgical oncology (treats complex problems in the discipline with minimal help).
3. Demonstrates personal and professional responsibility, leadership skills and interpersonal skills necessary for independent practice as a specialist in surgery (successfully manages the chief resident services).
4. Provides supervision of junior residents in carrying out patient care responsibilities for the group of patients assigned by the chief resident.
5. Communicates details of patient progress to the appropriate attending
6. Develops a sophisticated understanding of the pathophysiology of surgical diseases represented on the service
7. Is directly involved in preoperative management (especially co-morbid factors) and decision making along with the attending
8. Arrives in the operating room on time and armed with an in depth knowledge of the anatomy of the subsequent procedure along with an

- understanding of appropriate physiology, surgical alternatives, risks, benefits and options.
9. Develops a plan for postoperative care with the attending and helps carry it out
 10. Provides post-hospital follow-up in clinic
 11. Is an example of excellent interpersonal skills with all other members of the health care team
 12. Serves as a role model and consultant for junior residents
 13. Serves as an educator of medical students and junior residents
 14. Carries out administrative tasks as requested by the Program Director
 15. One or Two Chief Residents are selected annually as 'Administrative Chief Resident' to assist the Program Director with administrative matters such as scheduling, etc. The Administrative Chief may request and should expect, other Chief Residents to assist with these tasks.
 16. Assists in assuring coverage of the assigned service
 17. Presentations at Matrix Conference.
 18. Review OR schedule the night before to assign cases to junior residents
 19. Provide in-house coverage for trauma patients
 20. Conduct daily rounds on all patients on the service
 21. Provide backup for the 946 resident and the SICU residents as needed
 22. Enhanced proficiency for functioning as the trauma team leader for both adult and pediatric patients (successfully directs trauma resuscitation).