

# RESIDENT MANUAL

Department of Surgery  
West Virginia University  
Morgantown, West Virginia

2016-2017

Updated 8/16/2016

## Contents

ACGME GENERAL COMPETENCIES .....	2
GENERAL SURGERY ROTATION CORE OBJECTIVES .....	4
SURGICAL ONCOLOGY GOALS AND OBJECTIVES .....	9
BREAST SURGERY GOALS AND OBJECTIVES (PGY2).....	16
VASCULAR SURGERY GOALS AND OBJECTIVES (PGY 1,3, 5).....	21
PLASTIC SURGERY GOALS AND OBJECTIVES (PGY1, 2, 3).....	27
TRAUMA AND SURGERY GOALS AND OBJECTIVES (PGY1, 2, 4).....	32
PEDIATRIC SURGERY GOALS AND OBJECTIVES (PGY 3, 4).....	37
NIGHT FLOAT ROTATION CORE OBJECTIVES (PGY4, 5) .....	42
CONSULT SERVICE (PGY2, 3).....	43
VETERAN’S ADMIN MEDICAL CENTER (VAMC) ROTATION CORE OBJECTIVES (PGY1, 3).....	46
TRANSPLANT ROTATION CORE OBJECTIVES (PGY3).....	51
Baylor University Medical Center .....	51
THORACIC SURGERY CORE GOALS AND OBJECTIVES (PGY1, 3, 4, 5) .....	56
SICU GOALS AND OBJECTIVES .....	61
RESIDENT SALARY 2016-2017.....	64
POLICIES/GME/Human Resource Information.....	65
ACADEMIC DISCIPLINE AND DISMISSAL POLICY .....	65
ACADEMIC GREIVANCE POLICY AND PROCEDURE.....	67
BACK-UP CHIEF POLICY.....	70
CASE LOG POLICY .....	71
CODE OF PROFESSIONALISM.....	110
CONFERENCE, ATTENDANCE & CURRICULUM .....	112
CONFLICT OF INTEREST DISCLAIMER .....	113
CRITERIA FOR APPOINTMENT/ELIGIBILITY AND selection of candidates.....	115
DISCIPLINE POLICY – DEPT. OF SURGERY .....	116
DUTY HOUR POLICY .....	118
EVALUATION POLICY.....	124
FATIGUE .....	125
HANDOFF AND TRANSITIONS OF CARE IV.A.4.a).(2) .....	89
INTENT NOT TO RENEW CONTRACT.....	91
MATERNITY AND PATERNITY LEAVE (FAMILY MEDICAL LEAVE) .....	92
MOONLIGHTING POLICY .....	93
PARKING POLICY .....	94
PRACTITIONERS’ HEALTH COMMITTEE .....	95
QUALITY IMPROVEMENT POLICY.....	98
SICK LEAVE.....	98
PROGRAM CLOSURE/REDUCTION POLICY.....	99
PROMOTION POLICY .....	99
RESEARCH POLICY .....	100
RESIDENT CONTRACT Review .....	101
SUPERVISION POLICY .....	104
USMLE/LICENSE POLICY.....	106
VACATION POLICY- DEPARTMENT OF SURGERY .....	108
VACATION POLICY OFF-SERVICE ROTATORS.....	109
MISCELLANEOUS/FORMS .....	113

# ACGME GENERAL COMPETENCIES

## 1. Patient Care

Residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Residents must be able to competently perform all medical, diagnostic, and surgical procedures considered essential for the area of practice.

## 2. Medical Knowledge

Residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social behavioral sciences, as well as the application of this knowledge to patient care.

## 3. Practice Based Learning and Improvement

Residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning.

Residents are expected to develop skills and habits to be able to meet the following goals:

- a. identify strengths, deficiencies, and limits in one's knowledge and expertise;
- b. set learning and improvement goals;
- c. identify and perform appropriate learning activities;
- d. systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement;
- e. incorporate formative evaluation feedback into daily practice;
- f. locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems;
- g. use information technology to optimize learning; and ,
- h. participate in the education of patients, families, students, residents and other health professionals.

## 4. Interpersonal and Communication Skills

Residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals.

Residents are expected to:

- a. communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds;
- b. communicate effectively with physicians, other health professionals, and health related agencies;

- c. work effectively as a member or leader of a health care team or other professional group;
- d. act in a consultative role to other physicians and health professionals; and,
- e. maintain comprehensive, timely, and legible medical records, if applicable.

## 5. Professionalism

Residents must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles.

Residents are expected to demonstrate:

- a. compassion, integrity, and respect for others;
- b. responsiveness to patient needs that supersedes self interest;
- c. respect for patient privacy and autonomy;
- d. accountability to patients, society and the profession; and,
- e. sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.

## 6. Systems Based Practice

Residents must demonstrate an awareness of and responsiveness to the larger context and system of health care , as well as the ability to call effectively on other resources in the system to provide optimal health care.

Residents are expected to:

- a. work effectively in various health care delivery settings and systems relevant to their clinical specialty;
- b. coordinate patient care within the health care system relevant to their clinical specialty;
- c. incorporate considerations of cost awareness and risk benefit analysis in patient and/or population based care as appropriate;
- d. advocate for quality patient care and optimal patient care systems;
- e. work in inter professional teams to enhance patient safety and improve patient care quality; and,
- f. participate in identifying system errors and implementing potential systems solutions.

# GENERAL SURGERY ROTATION CORE OBJECTIVES

## GOALS

### I. Patient Care

#### A. Preoperative Care Setting: outpatient clinic and inpatient service (primary and consultation)

Residents will evaluate and develop a plan of care for preoperative patients with general surgical conditions. The plan shall include any interventions that will successfully prepare a patient for surgery.

- i) The resident will perform complete and detailed history and physical examinations of patients being considered for elective as well as urgent/emergent surgery (PGY 1, 2, 4)
- ii) The resident will learn to obtain and interpret laboratory and radiologic tests that are appropriate for the condition being treated and/or the procedure being planned (PGY 1, 2, 4)
- iii) The resident will demonstrate an understanding of the principles of preoperative patient selection and optimization (ie cardiopulmonary risk assessment; nutritional status; special considerations such as thrombophilias/bleeding disorders, steroid dependent patients, multiple comorbidities, etc...) (PGY 1, 2, 4)
- iv) The resident will participate in the informed consent process for patients being scheduled for elective and urgent/emergent procedures or surgeries. The informed consent process includes identifying and reviewing with the patient the risks, benefits and alternatives of the planned intervention (PGY 1, 2, 4)

#### B. Operative Care Setting: 5N and 2W

The following is a list of “core” operations that the resident(s) can be expected to have exposure to by the completion of their general surgery rotation:

- Exploratory laparotomy (PGY 1, 2, 4)
- Exploratory laparoscopy (PGY 1, 2, 4)
- Peritoneal dialysis catheter insertion (PGY 1,2, 4)
- Peritoneal lesion biopsy (PGY 1, 2, 4)
- Inguinal and femoral hernia – laparoscopic repair (PGY 2, 4)
- Inguinal and femoral hernia – open repair (PGY 1, 2, 4)
- Ventral hernia – laparoscopic repair (PGY 2, 4)
- Ventral hernia – open repair (PGY 1, 2, 4)
- Cholecystectomy w/wo cholangiography – laparoscopic (PGY 1, 2, 4)
- Cholecystectomy w/wo cholangiography – open (PGY 1, 2, 4)
- Open splenectomy (PGY 2, 4)
- Gastrostomy open and percutaneous (PGY 1, 2, 4)
- Adhesiolysis – laparoscopic (PGY 2, 4)
- Adhesiolysis – open (PGY 1, 2, 4)
- Feeding jejunostomy – open (PGY 2, 4)
- Ileostomy creation/closure (PGY 1, 2, 4)

Small bowel resection (PGY 1, 2, 4)  
 Appendectomy – laparoscopic and open (PGY 1, 2, 4)  
 Colectomy, partial – open (PGY 2, 4)  
 Colostomy creation/closure (PGY 2, 4)  
 Anorectal abscess drainage, fistulotomy/Seton placement,  
 Sphincterotomy – internal, hemorrhoidectomy/banding, condyloma  
 excision (PGY 1-5)  
 Colonoscopy, EGD, Proctoscopy (PGY 1, 2, 4)  
 Soft tissue infections – incision, drainage, debridement (PGY 1-5)

The following is a list of the essential uncommon operations that the resident(s) can be expected to have exposure to by the completion of their general surgery rotation:

Intra-abdominal abscess – drainage (PGY 2, 4)  
 Abdominal wall reconstruction – components separation (PGY 2, 4)  
 Pancreatic Debridement (PGY 2, 4)  
 Duodenal perforation – repair (PGY 2, 4)  
 Gastrectomy – Partial/Total (PGY 2, 4)  
 Colectomy subtotal with ileocolostomy or ileostomy (PGY 2, 4)

#### C. Postoperative Care Setting: outpatient surgery center, inpatient floor, outpatient clinic

Residents shall develop and follow through with a plan of care for the general surgical patient. This plan generally focuses on, but is not limited to: pain control; fluid and electrolyte management; resuscitation of critically ill patients; the identification and treatment of common post-operative complications including bleeding, infection, ileus, bowel obstruction, thromboembolism (among others); identification of discharge appropriate patients and coordination of care as they transition back to home following their surgery/procedure.

##### 1. Outpatient surgery center

- A) The resident will follow up on any and all pertinent post-operative tests, imaging studies prior to discharging a general surgery patient who has undergone an elective, same day procedure (PGY 1, 2, 4)
- B) The resident will successfully choose an oral analgesic home regimen that will adequately manage a general surgery patient's pain who has undergone an elective, same day procedure (PGY 1, 2, 4)
- C) The resident will successfully complete and review with the general surgery patient who has undergone an elective, same day procedure the patient's discharge instructions. Key points will include activity restrictions, wound care/drain instructions and reconciliation of the patient's medication list (PGY 1, 2, 4)
- D) The resident will successfully coordinate appropriate surgical follow up (PGY 1, 2, 4)

##### 2. Inpatient floor

- A) The resident team is expected to make morning rounds on the inpatient general surgery patient list (including the consult service) prior to the start of the day's activities (OR cases, clinic) (PGY 1-5)

B) After rounds, the chief resident (or senior most available resident) is expected to call the attending physician of record to review the plan of the day for each individual patient. Common issues to be discussed should include vital signs (including pain control), Is/Os, physical exam findings, daily labs, medication review, consultant recommendations. The daily plan will generally consist of identifying possible discharge appropriate patients, advancement of diet, repletion of electrolyte abnormalities, adjustment of medications, drain and tube management, need for diagnostic tests to be ordered or new consults to be called. (PGY 4)

C) The resident team will divide the work for the day in such a manner that it will be performed as efficiently as possible. Priority should be given to obtaining and following up on important studies expeditiously as well as discharges. The goal for all discharges is out of the hospital on the day of discharge by noon (PGY 1, 2, 4)

D) The intern or junior resident should provide as close to real time updates as possible with changes in patients condition, new consults, results of important tests to the chief resident who can then relay the information to the attending of record (PGY 1, 2)

E). All available members of the resident team will make rounds with the attending staff (PGY 1, 2, 4)

### 3. Out-patient clinic

A) When circumstance allows, residents will see patient on whom they performed surgery for their 1<sup>st</sup> outpatient post-operative follow up visit. This will provide for continuity of care that will allow the resident to gain an understanding of the anticipated normal recovery from the various essential common and complex operations as well as gain experience in identifying instances in which deviation from the norm is occurring and how such instances are approached/managed (PGY 1, 2, 4)

B) Residents will see general surgery patients who are in longitudinal surveillance following their surgical intervention. This experience will provide the resident with an initial exposure to the ongoing care of general surgical patients even after their operation has been performed (PGY 1, 2, 4)

C) Residents are required to attend at least one half day of outpatient clinic per week (PGY 1, 2, 4)

## II. Medical Knowledge

Residents fund of knowledge as it relates to general surgery will be expanded through a variety of means, some of which are structured and others of which require independent initiative from the resident(s) rotating on the service. These include 1) Conferences 2) Journal club 3)

Assigned readings 4) Truelearn quizzes

- 1) Conferences – Residents assigned to the general surgery service are required to attend the following conferences: Wednesday morning didactic sessions between the hours of 8a-11a, Thursday afternoon GI surgery/Surg Onc case conference (4p-5p every other Thursday), Thursday afternoon med/surg GI conference (4-5pm 3<sup>rd</sup> Thursday of each month) (PGY 1, 2, 4)
- 2, 3) Journal club/assigned readings – Residents assigned to the general surgery service are required to participate in monthly journal club as outlined on the yearly curriculum

as well as to complete the assigned This Week in Score (TWIS) readings/modules (PGY 1, 2, 4)

4) Residents are expected to complete TrueLearn quizzes that are assigned by the program director or program manager in a timely manner. Areas of deficiency as defined by their performance on the TrueLearn quizzes should serve as the focus for future study plans.

### **III. Practice-based Learning**

Residents are expected to critique their performance and their personal practice outcomes as well as identify areas and implement plans for improvement

1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement (PGY 1, 2, 4)
2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant (PGY 1, 2, 4)
3. Residents shall distribute operative cards to attendings with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder (PGY 1, 2, 4)
4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly (PGY 1, 2, 4)
5. Residents shall familiarize themselves with evidence based guidelines related to disease prevention, patient safety and quality (SCIP measures, DVT prophylaxis guidelines, screening colonoscopy guidelines, etc) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures) (PGY 1, 2, 4)
6. Chief Residents are asked to give one medical student didactic lecture each block (PGY4)

### **IV. Interpersonal and Communication Skills (All points below apply to PGY 1, 2, 4)**

- A. Residents shall learn to work effectively as part of the general surgical team.
- B. Residents shall foster an atmosphere that promotes the effectiveness of each member of the general surgical team
- C. Residents shall interact with colleagues and members of the ancillary services in a professional and respectful manner.
- D. Residents shall learn to document their practice activities in such a manner that is clear and concise
- E. Residents shall participate in the informed consent process for patients being scheduled



for elective and emergent/urgent procedures or surgery

- F. Residents shall gain an experience in educating and counseling patients about risks and expected outcomes of elective or emergent/urgent procedures or surgeries
- G. Residents shall learn to give and receive a detailed sign-out for each service

## **V. Professionalism**

- A. Residents shall maintain high ethical standards in dealing with patients, family members, patient data, and other members of the healthcare team
- B. Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the duty-hour restrictions
- C. Residents shall demonstrate sensitivity to age, gender, and culture of patients and other members of the healthcare team

## **VI. Systems-based practice**

- A. Residents shall learn to practice high quality, cost effective, patient care. This knowledge should be gained through discussions of patient care.
  - 1. Conferences
    - a. M&M
    - b. Tumor Board
    - c. Breast Conference
  - 2. Other
    - a. General Surgery Rounds
    - b. Outpatient clinic

# **SURGICAL ONCOLOGY GOALS AND OBJECTIVES**

## **GOALS**

Through rotation on the surgical oncology service, residents shall attain the following goals:

### **I. Patient Care**

A. Preoperative Care Setting: outpatient clinic and inpatient service (primary and consultation)

Residents will evaluate and develop a plan of care for preoperative patients with surgical oncologic conditions. The plan shall include any intervention(s) that will successfully prepare a patient for surgery

- i) The resident will perform complete and detailed history and physical examinations of patients being considered for elective as well as urgent/emergent surgery (PGY 1-5)
- ii) The resident will learn to obtain and interpret laboratory and radiologic tests that are appropriate for the condition being treated and/or the procedure being planned (PGY 1-5)
- iii) The resident will demonstrate an understanding of the principles of preoperative patient selection and optimization (ie cardiopulmonary risk assessment; nutritional status; special considerations such as thrombophilias/bleeding disorders, steroid dependent patients, multiple comorbidities, etc...) (PGY 3-5)
- iv) The resident will participate in the informed consent process for patients being scheduled for elective and urgent/emergent procedures or surgeries. The informed consent process includes identifying and reviewing with the patient the risks, benefits and alternatives of the planned intervention (PGY 1-5)

B. Operative Care Setting: 5N and 2W

The following are a list of essential common operations that the resident(s) can be expected to have exposure to by the completion of their surgical oncology rotation:

- Mastectomy partial (with or without needle localization) (PGY 1-5)
- Sentinel lymph node biopsy (PGY 1-5)
- Modified radical mastectomy (PGY 5)
- Axillary dissection (PGY 4, 5)
- Simple mastectomy (PGY 1-5)
- Duct excision (PGY 1-5)
- Excisional and incisional biopsy of skin and soft tissue lesions (PGY 1-5)
- Incision, drainage and debridement of skin and soft tissue infections (PGY 1-5)
- Laparoscopic and open cholecystectomy with and without cholangiography (PGY 1-5)

Open and laparoscopic right colectomy and sigmoid colectomy (PGY 3-5)  
 Open and laparoscopic splenectomy (PGY 3-5)  
 Tunneled and non-tunneled central venous catheter insertion (including US use for access) (PGY 1-5)  
 Open and laparoscopic ventral hernia repair (including components separation) (PGY 3-5)  
 Inguinal hernia repair (PGY 1-5)  
 Open and percutaneous gastrostomy tube insertion (PGY 1-5)  
 Open jejunostomy feeding tube insertion (PGY 1-5)  
 Small bowel resection (PGY 1-5)  
 Ileostomy creation/closure (PGY 1-5)  
 Colostomy creation/closure (PGY 3-5)  
 Seton placement (PGY 1-5)  
 Lateral internal sphincterotomy (PGY 1-5)  
 Anorectal abscess drainage (PGY 1-5)  
 Hemorrhoidectomy (PGY 1-5)  
 Proctoscopy (PGY 1-5)  
 Open and laparoscopic liver biopsy (PGY 3-5)  
 Gallbladder cancer incidentally noted operation (PGY 3-5)  
 Hepaticojejunostomy (biliary enteric anastomosis) (PGY 5)  
 Distal pancreatectomy (PGY 3-5)  
 Pancreatic debridement (PGY 3-5)  
 Pancreatic pseudocyst drainage (PGY 3-5)  
 Complex wound closure (PGY 1-5)  
 Duodenal perforation closure (PGY 3-5)  
 Gastrectomy - partial/total (PGY 3-5)  
 Laparoscopic and open antireflux procedure and paraesophageal hernia repair (PGY 3-5)

The following are a list of the complex operations that the resident(s) can be expected to have exposure to by the completion of their surgical oncology rotation:

Retroperitoneal lymph node dissection – open (PGY 3-5)  
 Bile duct cancer/neoplasm operations (PGY 4, 5)  
 Bile duct injury repair (PGY 4, 5)  
 Planned gallbladder cancer operation (PGY 4, 5)  
 Intraoperative liver ultrasound (PGY 3-5)  
 Open and laparoscopic liver resection (anatomic and non-anatomic resection(s)) (PGY 3-5)  
 Intraoperative pancreatic ultrasound (PGY 3-5)  
 Pancreaticoduodenectomy (PGY 4, 5)  
 Longitudinal pancreaticojejunostomy (Puestow procedure) (PGY 4, 5)  
 Esophagectomy (PGY 4, 5)  
 Postgastrectomy revisional procedures (PGY 4, 5)  
 Stricturoplasty for Crohn's disease (PGY 4, 5)  
 Abdominoperineal resection (APR) (PGY 4, 5)  
 Open and laparoscopic adrenalectomy (PgY 4,5)  
 Retroperitoneal sarcoma excision (including multivisceral resection(s) (PGY 4,5)

Ileioinguinal and femoral lymphadenectomy (PGY 3-5)  
 Image guided breast biopsy (PGY 4,5)  
 Hepatic Injury resection (PGY 4,5)

C. Postoperative Care Setting: outpatient surgery center, inpatient floor, outpatient clinic

Residents shall develop and follow through with a plan of care for the post-operative surgical oncology patient. This plan generally focuses on, but is not limited to: pain control; fluid and electrolyte management; resuscitation of critically ill patients; the identification and treatment of common post-operative complications including bleeding, infection, ileus, bowel obstruction, thromboembolism (among others); identification of discharge appropriate patients and coordination of care as they transition back to home following their surgery/procedure.

#### 1. Outpatient surgery center

- A) The resident will follow up on any and all pertinent post-operative tests, imaging studies prior to discharging a surgical oncology patient who has undergone an elective, same day procedure (PGY 1-5)
- B) The resident will successfully choose an oral analgesic home regimen that will adequately manage a surgical oncology patient's pain who has undergone an elective, same day procedure (PGY 1-5)
- C) The resident will successfully complete and review with the surgical oncology patient who has undergone an elective, same day procedure the patient's discharge instructions. Key points will include activity restrictions, wound care/drain instructions and reconciliation of the patient's medication list (PGY 1-5)
- D) The resident will successfully coordinate appropriate surgical follow up (PGY 1-5)

#### 2. Inpatient floor

- A) The resident team is expected to make morning rounds on the inpatient surgical oncology patient list (including the consult service) prior to the start of the day's activities (OR cases, clinic) (PGY 1-5)
- B) After rounds, the chief resident (or senior most available resident) is expected to call the attending physician of record to review the plan of the day for each individual patient. Common issues to be discussed should include vital signs (including pain control), Is/Os, physical exam findings, daily labs, medication review, consultant recommendations. The daily plan will generally consist (among others) of identifying possible discharge appropriate patients, advancement of diet, repletion of electrolyte abnormalities, adjustment of medications, drain and tube management, need for diagnostic tests to be ordered or new consults to be called (PGY 2-5)
- C) The resident team will divide the work for the day in such a manner that it will be performed as efficiently as possible. Priority should be given to obtaining and following up on important studies expeditiously as well as discharges. The goal for all discharges is out the day by noon (PGY 1-5)
- D) The intern or junior resident should provide as close to real time updates as

possible with changes in patients condition, new consults, results of important tests to the chief resident who can then relay the information to the attending of record (PGY 1-3)

### 3. Out-patient clinic

A) When circumstance allows, residents will see patient on whom they performed surgery for their 1<sup>st</sup> outpatient post-operative follow up visit. This will provide for continuity of care that will allow the resident to gain an understanding of the anticipated normal recovery from the various essential common and complex operations as well as gain experience in identifying instances in which deviation from the norm is occurring as how such instances are approached/managed (PGY 1-5)

B) Residents will see surgical oncology patients who are in longitudinal surveillance of their disease following their surgical intervention. This experience will provide the resident with an initial exposure to the ongoing care of cancer patients even after their operation is performed (PGY 1-5)

## II. Medical Knowledge

Resident fund of knowledge as it relates to surgical oncology will be expanded through a variety means, some of which are structured and others of which require independent initiative from the residents who are rotating on the service. These include: 1) Conferences, 2) Journal club 3) Assigned readings 4) Truelearn quizzes

### 1. Conferences

- A) Residents are expected to attend weekly Wednesday morning morbidity and mortality conference. Complications from the surgical oncology service are to be presented by the resident who was involved in the case in front of a group of their peers as well as the surgical faculty at large. This conference will give residents an opportunity to think critically about specific steps in the preoperative workup, operative conduct and/or post-operative care of patients who have experienced a complication and identify opportunities for alternative decisions in similar, future cases that may lead to improved outcomes. Evidenced based practice patterns should be emphasized when applicable (PGY 1-5)
- B) Residents are expected to attend weekly multidisciplinary GI oncology (Thursdays at noon) tumor board. These tumor boards serve as a fertile environment for residents to i) gain an appreciation of the multidisciplinary approach that is unique to the care of cancer patients and ii) gain an understanding of staging (both clinical and pathologic), prognosis and practice guidelines as they relate to neoadjuvant, surgical and adjuvant treatment strategies for cancer patients (PGY 1-5)
- C) Residents are expected to attend weekly Surg Onc/Gen Surg conference and once monthly combined GI/Surgery conference (Thursdays at 4pm). The purpose of this conference is to review/discuss surgical oncology and general surgery cases as well as cases in which gastroenterology and surgery overlap. Surgical oncology topics and cases will be included as relevant for presentation/discussion (PGY 1-5)

## 2. Journal Club

Residents are expected to lead discussion at monthly surgical oncology journal club (Thursdays at 5pm). A yearly curriculum of high yield topics will be formulated by the surgical oncology faculty. Articles will be assigned to the resident team at least one week in advance and each resident will have article on which to lead discussion. Faculty will be present to facilitate discussion (PGY 1-5)

## 3. Assigned Readings

Residents will cover various surgical oncology topics, among others, as part of their assigned weekly reading curriculum through the program at large. The SCORE curriculum is the chosen curriculum for the general surgery residency. Surgical oncology faculty all participate in leading didactic discussion(s) at Wednesday morning education conference at different points in the year when oncology topics are the assigned topic for the week. Additionally, residents are encouraged to educate themselves upon the scientific information relating to surgical oncology. The recommended text is Cameron's Current Surgical Therapy.

## 4. Truelearn Quizzes

Residents are expected to complete TrueLearn quizzes that are assigned by the program director or program manager in a timely manner. Areas of deficiency as defined by their performance on the TrueLearn quizzes should serve as the focus for future study plans.

# III. Practice-based Learning

Residents are expected to engage in critical self-review as it relates to the cases in which they participate, whether it be in the operating room, on the wards or in the outpatient setting.

1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement (PGY 1, 3, 5)
2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant (PGY 1, 3, 5)
3. Residents shall distribute operative cards to attendings with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder (PGY 1, 3, 5)
4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly (PGY 1, 3, 5)

5. Residents shall familiarize themselves with evidence based guidelines related to disease prevention, patient safety and quality (SCIP measures, DVT prophylaxis guidelines, screening colonoscopy guidelines, etc) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures) (PGY 1, 3, 5)
6. Chief Residents are asked to give one medical student didactic lecture each block (PGY5)

#### **IV. Interpersonal and Communication Skills**

The surgical oncology service provides unique opportunities for residents to develop their interpersonal and communication skills, both in the context of physician to patient interactions as well as in interactions as part of the health care delivery team.

- A) Residents will be given the opportunity to observe (PGY 1-3) and eventually participate in (PGY 4, 5) the process of delivering bad news to patients and their families/friends. These opportunities exist in the outpatient as well as the inpatient setting and arise in the context of discussing pathology reports, diagnostic findings and prognosis (among others)
- B) Residents will also be called upon to communicate the daily plan and progress of patients admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular patient. The healthcare team will include nurses, therapists, and other physicians serving as consultants (PGY 1-5)
- C) Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medicolegal documentation (PGY1-5)
- D) Residents shall participate in the informed consent process for patients being scheduled for elective and emergent/urgent procedures or surgery (PGY 1-5)
- E) Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs (PGY 1-5)

#### **V. Professionalism**

The surgical oncology rotation offers many opportunities for residents to hone their skills as they relate to professionalism.

- A) Residents will have opportunities to learn how to be honest and sincere with patients. Examples include breaking bad news and explaining surgical complications (PGY1-5)
- B) Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the 80-hour duty restrictions (PGY 1-5)
- C) Residents shall learn to maintain patient confidentiality (PGY1-5)
- D) Residents will learn the importance of accurate medical documentation (PGY1-5)
- E) Residents will be expected to adhere to the hospital's code of professional conduct as it relates to appearance and dress (PGY 1-5)

- F) Residents will be expected to be punctual and prepared for all cases, clinics and conferences that they are participating in on any given day (PGY 1-5)

## **VI. Systems-based practice**

The surgical oncology rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- A) Residents will learn to practice high quality cost effective, evidence based patient care. This knowledge will be gained through participation in the conferences listed above in the medical knowledge competency and include the M&M, Tumor Boards and journal clubs (see discussion about each of these above) (PGY 1-5)
- B) Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of surgical oncology patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; eliminating or reducing catheter associated urinary infections by early removal of indwelling catheters from post-operative patients (PGY 1-5)
- C) Residents will be exposed to protocol driven practices as they related to central line insertion in ICU patients, selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion criteria, and observation of contact precautions for patients with multidrug resistant infections (among others) (PGY 1-5)
- D) Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large (PGY 1-5)



# **BREAST SURGERY GOALS AND OBJECTIVES (PGY2)**

## **GOALS**

Through rotation on the breast surgery service, residents shall attain the following goals:

### **I. Patient Care**

A. Preoperative Care Setting: outpatient clinic and inpatient service (primary and consultation)

Residents will evaluate and develop a plan of care for preoperative patients with benign and malignant conditions of the breast. The plan shall include any intervention(s) that will successfully prepare a patient for surgery

- i) The resident will perform complete and detailed history and physical examinations of patients being considered for elective as well as urgent/emergent surgery
- ii) The resident will learn to obtain and interpret laboratory and radiologic tests that are appropriate for the condition being treated and/or the procedure being planned
- iii) The resident will demonstrate an understanding of the principles of preoperative patient selection and optimization (ie cardiopulmonary risk assessment; nutritional status; special considerations such as thrombophilias/bleeding disorders, steroid dependent patients, multiple comorbidities, etc...)
- iv) The resident will participate in the informed consent process for patients being scheduled for elective and urgent/emergent procedures or surgeries. The informed consent process includes identifying and reviewing with the patient the risks, benefits and alternatives of the planned intervention

B. Operative Care Setting: 5N and 2W

The following are a list of essential common operations that the resident(s) can be expected to have exposure to by the completion of their breast surgery rotation:

- Mastectomy partial (with or without needle localization)
- Sentinel lymph node biopsy
- Modified radical mastectomy
- Axillary dissection
- Simple mastectomy
- Duct excision
- Excisional and incisional biopsy of skin and soft tissue lesions
- Incision, drainage and debridement of skin and soft tissue infections

The following are a list of the complex operations that the resident(s) can be expected to have exposure to by the completion of their surgical oncology rotation:

- Image guided breast biopsy

### C. Postoperative Care Setting: outpatient surgery center, inpatient floor, outpatient clinic

Residents shall develop and follow through with a plan of care for the post-operative breast surgery patient. This plan generally focuses on, but is not limited to: pain control; identification and treatment of common post-operative complications including bleeding, infection, thromboembolism (among others); identification of discharge appropriate patients and coordination of care as they transition back to home following their surgery/procedure.

#### 1. Outpatient surgery center

- A) The resident will follow up on any and all pertinent post-operative tests, imaging studies prior to discharging a breast surgery patient who has undergone an elective, same day procedure
- B) The resident will successfully choose an oral analgesic home regimen that will adequately manage a breast surgery patient's pain who has undergone an elective, same day procedure
- C) The resident will successfully complete and review with the breast surgery patient who has undergone an elective, same day procedure the patient's discharge instructions. Key points will include activity restrictions, wound care/drain instructions and reconciliation of the patient's medication list
- D) The resident will successfully coordinate appropriate surgical follow up

#### 2. Inpatient floor

- A) The resident team is expected to make morning rounds on the inpatient breast surgery patient list (including the consult service) prior to the start of the day's activities (OR cases, clinic)
- B) After rounds, resident is expected to call the attending physician of record to review the plan of the day for each individual patient. Common issues to be discussed should include vital signs (including pain control), Is/Os, physical exam findings, daily labs, medication review, consultant recommendations. The daily plan will generally consist (among others) of identifying possible discharge appropriate patients, advancement of diet, repletion of electrolyte abnormalities, adjustment of medications, drain and tube management, need for diagnostic tests to be ordered or new consults to be called
- C) The resident will perform the day's work in a manner that is as efficient as possible. This may include delegating responsibility to APPs when appropriate. Priority should be given to obtaining and following up on important studies expeditiously as well as discharges. The goal for all discharges is out the day by noon

#### 3. Out-patient clinic

- A) When circumstance allows, residents will see patient on whom they performed surgery for their 1<sup>st</sup> outpatient post-operative follow up visit. This will provide for continuity of care that will allow the resident to gain an understanding of the anticipated normal recovery from the various essential common and complex operations as well as gain experience in identifying

instances in which deviation from the norm is occurring as how such instances are approached/managed

B) Residents will see breast cancer patients who are in longitudinal surveillance of their disease following their surgical intervention. This experience will provide the resident with an initial exposure to the ongoing care of cancer patients even after their operation is performed

## II. Medical Knowledge

Resident fund of knowledge as it relates to breast surgery will be expanded through a variety means, some of which are structured and others of which require independent initiative from the residents who are rotating on the service. These include: 1) Conferences, 2) Journal club 3) Assigned readings 4) Truelearn Quizzes

- A. Conferences: Residents are expected to attend weekly Wednesday morning morbidity and mortality conference. Complications from the breast surgery service are to be presented by the resident who was involved in the case in front of a group of their peers as well as the surgical faculty at large. This conference will give residents an opportunity to think critically about specific steps in the preoperative workup, operative conduct and/or post-operative care of patients who have experienced a complication and identify opportunities for alternative decisions in similar, future cases that may lead to improved outcomes. Evidenced based practice patterns should be emphasized when applicable
- B. Residents are expected to attend weekly multidisciplinary breast (Mondays at noon) tumor board. This tumor board serves as a fertile environment for residents to i) gain an appreciation of the multidisciplinary approach that is unique to the care of cancer patients and ii) gain an understanding of staging (both clinical and pathologic), prognosis and practice guidelines as they relate to neoadjuvant, surgical and adjuvant treatment strategies for breast cancer patients
- C. Journal Club: Residents are expected to participate in monthly journal clubs as part of the Wednesday morning didactic curriculum
- D. Assigned Readings: Residents will cover various breast topics, among others, as part of their assigned weekly reading curriculum through the program at large. The SCORE curriculum is the chosen curriculum for the general surgery residency. Breast surgery faculty will participate in leading didactic discussion(s) at Wednesday morning education conference at different points in the year when breast surgery topics are the assigned topic for the week. Additionally, residents are encouraged to educate themselves upon the scientific information relating to breast surgery. The recommended text is Cameron's Current Surgical Therapy.
- E. Residents are expected to complete TrueLearn quizzes that are assigned by the program director or program manager in a timely manner. Areas of deficiency as defined by their performance on the TrueLearn quizzes should serve as the focus for future study plans.

### **III. Practice-based Learning**

Residents are expected to engage in critical self- review as it relates to the cases in which they participate, whether it be in the operating room, on the wards or in the outpatient setting.

1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement
2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant
3. Residents shall distribute operative cards to attendings with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder
4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly
5. Residents shall familiarize themselves with evidence based guidelines related to disease prevention, patient safety and quality (SCIP measures, DVT prophylaxis guidelines, screening mammography/genetic testing guidelines, etc) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures)

### **IV. Interpersonal and Communication Skills**

The breast surgery service provides unique opportunities for residents to develop their interpersonal and communication skills, both in the context of physician to patient interactions as well as in interactions as part of the health care delivery team.

- A. Residents will be given the opportunity to observe and eventually participate in the process of delivering bad news to patients and their families/friends. These opportunities exist in the outpatient as well as the inpatient setting and arise in the context of discussing pathology reports, diagnostic findings and prognosis
- B. Residents will also be called upon to communicate the daily plan and progress of patients admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular patient. The healthcare team will include nurses, therapists, and other physicians serving as consultants (PGY 1-5)
- C. Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medico-legal documentation (PGY1-5)
- D. Residents shall participate in the informed consent process for patients being scheduled for elective and emergent/urgent procedures or surgery (PGY 1-5)
- E. Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs (PGY 1-5)

### **V. Professionalism**

The breast surgery rotation offers many opportunities for residents to hone their skills as they relate to professionalism.

- A. Residents will have opportunities to learn how to be honest and sincere with patients. Examples include breaking bad news and explaining surgical complications
- B. Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the 80-hour duty restrictions
- C. Residents shall learn to maintain patient confidentiality
- D. Residents will learn the importance of accurate medical documentation
- E. Residents will be expected to adhere to the hospital's code of professional conduct as it relates to appearance and dress
- F. Residents will be expected to be punctual and prepared for all cases, clinics and conferences that they are participating in on any given day

## **VI. Systems-based practice**

The breast surgery rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- A. Residents will learn to practice high quality cost effective, evidence based patient care. This knowledge will be gained through participation in the conferences listed above in the medical knowledge competency and include the M&M, Tumor Boards and journal clubs (see discussion about each of these above)
- B. Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of surgical oncology patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; eliminating or reducing catheter associated urinary infections by early removal of indwelling catheters from post-operative patients
- C. Residents will be exposed to protocol driven practices as they related to selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion criteria, and observation of contact precautions for patients with multidrug resistant infections (among others)
- D. Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large

# VASCULAR SURGERY GOALS AND OBJECTIVES (PGY 1,3, 5)

## GOALS

Through rotation on the Vascular Surgery service, residents shall attain the following goals:

### Patient Care

- A. Preoperative Care Setting: outpatient clinic and inpatient service (primary and consultation)

Residents will evaluate and develop a plan of care for preoperative patients with vascular surgical conditions. The plan shall include any intervention(s) that will successfully prepare a patient for surgery

- i) The resident will perform complete and detailed history and physical examinations of patients being considered for elective as well as urgent/emergent surgery (PGY 1, 3, 5)
- ii) The resident will learn to obtain and interpret laboratory and radiologic tests that are appropriate for the condition being treated and/or the procedure being planned (PGY1, 3, 5)
- iii) The resident will demonstrate an understanding of the principles of preoperative patient selection and optimization (ie cardiopulmonary risk assessment; nutritional status; special considerations such as thrombophilias/bleeding disorders, steroid dependent patients, multiple comorbidities, etc...) (PGY1, 3, 5)
- iv) The resident will participate in the informed consent process for patients being scheduled for elective and urgent/emergent procedures or surgeries. The informed consent process includes identifying and reviewing with the patient the risks, benefits and alternatives of the planned intervention (PGY 1, 3, 5)

- B. Operative Care Setting: 5N, 2W, Cath Lab

The following is a list of “core” operations that the resident(s) can be expected to have exposure to by the completion of their vascular surgery rotation:

- AAA repair (endovascular and open) (PGY5)
- Amputations - lower extremity (PGY1, 3)
- Aortofemoral Bypass (PGY5)
- Embolectomy/Thrombectomy – Arterial (PGY3, 5)
- Extraanatomic Bypass (PGY5)
- Femoral-Popliteal bypass (PGY5)
- Infrapopliteal Bypass (PGY5)
- AV graft/fistula (PGY1, 3, 5)
- Percutaneous Vascular Access (PGY1, 3, 5)
- Venous Access Device Insertion (PGY1)
- Vena Cava Filter Insertion (PGY1, 3, 5)
- Venous insufficiency/Varicose Veins – Operation (PGY1, 3, 5)

The following is a list of “advanced” operations that the resident(s) can be expected to have exposure to by the completion of the their vascular surgery rotation:

Arterial Occlusive Disease – Endarterectomy (PGY5)  
 Carotid Endarterectomy (PGY5)  
 Endovascular – Therapeutic including Thrombolysis (PGY5)  
 Femoral aneurysm repair (PGY5)  
 Graft-enteric fistula – Management (PGY5)  
 Infrarenal and Aortoiliac Aneurysm – Repair (PGY5)  
 Popliteal aneurysm – repair (PGY5) Psuedoaneurysm  
 – Repair (PGY3, 5)  
 Suprarenal AAA repair (PGY5)  
 Visceral Occlusive Disease – Operation (PGY5)

C. Postoperative Care Setting: outpatient surgery center, inpatient floor, outpatient clinic

Residents shall develop and follow through with a plan of care for the post operative vascular surgery patient. This plan generally focuses on, but is not limited to: pain control; fluid and electrolyte management; resuscitation of critically ill patients; the identification and treatment of common post-operative complications including bleeding, infection, graft thrombosis, neurovascular changes, thromboembolism, heart attack (among others); identification of discharge appropriate patients and coordination of care as they transition back to home following their surgery/procedure.

1. Outpatient surgery center

- A) The resident will follow up on any and all pertinent post-operative tests, imaging studies prior to discharging a vascular patient who has undergone an elective, same day procedure (PGY 1-5)
- B) The resident will successfully choose an oral analgesic home regimen that will adequately manage a vascular surgery patient’s pain who has undergone an elective, same day procedure (PGY 1-5)
- C) The resident will successfully complete and review with the vascular surgery patient who has undergone an elective, same day procedure the patient’s discharge instructions. Key points will include activity restrictions, wound care/drain instructions and reconciliation of the patient’s medication list (PGY 1-5)
- D) The resident will successfully coordinate appropriate surgical follow up (PGY 1-5)

2. Inpatient floor

- A) The resident team is expected to make morning rounds on the inpatient vascular surgery patient list (including the consult service) prior to the start of the day’s activities (OR cases, clinic) (PGY 1, 3, 5)
- B) After rounds, the chief resident (or senior most available resident) is expected to call the attending physician of record to review the plan of the day for each individual patient. Common issues to be discussed should include vital signs (including pain control), Is/Os, physical exam findings, daily labs, medication review, consultant recommendations. The daily plan will generally consist (among others) of identifying possible discharge appropriate patients, advancement of diet, repletion of electrolyte abnormalities, adjustment of

medications, drain and tube management, need for diagnostic tests to be ordered or new consults to be called (PGY 1, 3, 5)

C) The resident team will divide the work for the day in such a manner that it will be performed as efficiently as possible. Priority should be given to obtaining and following up on important studies expeditiously as well as discharges. The goal for all discharges is out the day by noon (PGY 1, 3, 5)

D) The intern or junior resident should provide as close to real time updates as possible with changes in patients condition, new consults, results of important tests to the chief resident who can then relay the information to the attending of record (PGY 1-3)

### 3. Out-patient clinic

A) When circumstance allows, residents will see patient's on whom they performed surgery for their 1<sup>st</sup> outpatient post-operative follow up visit. This will provide for continuity of care that will allow the resident to gain an understanding of the anticipated normal recovery from the various "core" and "advanced" operations as well as gain experience in identifying instances in which deviation from the norm is occurring as well as how such instances are approached/managed (PGY 1, 3, 5)

B) Residents will see vascular surgery patients who are in longitudinal surveillance of their disease following their surgical intervention. This experience will provide the resident with an initial exposure to the ongoing care of patients with vasculopathy even after their operation is performed (PGY 1, 3, 5)

## Medical Knowledge

Resident fund of knowledge as it relates to vascular surgery will be expanded through a variety means, some of which are structured and others of which require independent initiative from the residents who are rotating on the service. These include: 1) Conferences, 2) Journal club 3) Assigned readings 4) Truelearn Quizzes

1. Conferences: Residents are expected to attend weekly Wednesday morning morbidity and mortality conference. Complications from the vascular surgery service are to be presented by the resident who was involved in the case in front of a group of their peers as well as the surgical faculty at large. This conference will give residents an opportunity to think critically about specific steps in the preoperative workup, operative conduct and/or post-operative care of patients who have experienced a complication and identify opportunities for alternative decisions in similar, future cases that may lead to improved outcomes. Evidenced based practice patterns should be emphasized when applicable. Residents are also expected to attend Wednesday morning didactic sessions which will cover the assigned TWIS topic for the week (PGY 1, 3, 5)
2. Residents are expected to attend weekly vascular case conference (Mondays at 3pm) during which one or two cases for the upcoming week will be reviewed. Topics of discussion will include H/P findings, review of imaging, indications for surgery, and operative approach. (PGY1, 3, 5)



3. Residents are expected to participate in weekly attending walk rounds (Thursday afternoons during which all residents and vascular staff will round on the inpatient census as a team (PGY1, 3, 5)
4. Assigned Readings - Residents will cover various vascular surgery topics as part of their assigned weekly reading curriculum through the program at large. The SCORE curriculum is the chosen curriculum for the general surgery residency. Vascular surgery faculty all participate in leading didactic discussion(s) at Wednesday morning education conference at different points in the year when vascular surgery topics are the assigned topic for the week. Additionally, residents are encouraged to educate themselves upon the scientific information relating to vascular surgery.
5. Residents are expected to complete TrueLearn quizzes that are assigned by the program director or program manager in a timely manner. Areas of deficiency as defined by their performance on the TrueLearn quizzes should serve as the focus for future study plans.

### **Practice-based Learning**

- A. Residents are expected to critique their performance and their personal practice outcomes
  1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement (PGY 1, 3, 5)
  2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant (PGY 1, 3, 5)
  3. Residents shall distribute operative cards to attending's with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder (PGY 1, 3, 5)
  4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly (PGY 1, 3, 5)
  5. Residents shall familiarize themselves with evidence based guidelines related to disease prevention, patient safety and quality (SCIP measures, DVT prophylaxis guidelines, screening colonoscopy guidelines, etc) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures) (PGY 1, 3, 5)
  6. Chief Residents are asked to give one medical student didactic lecture each block (PGY5)

### **Interpersonal and Communication Skills**

- A. Residents will be given the opportunity to observe (PGY 1-3) and eventually participate in (PGY 5) the process of delivering bad news to patients and their families/friends.

These opportunities exist in the outpatient as well as the inpatient setting and arise in the context of discussing diagnostic findings and prognosis (among others)

- B.** Residents will also be called upon to communicate the daily plan and progress of patients admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular patient. The healthcare team includes nurses, therapists, APPs, care managers and other physicians serving as consultants (PGY 1-5)
- C.** Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medico-legal documentation (PGY1-5)
- D.** Residents shall participate in the informed consent process for patients being scheduled for elective and emergent/urgent procedures or surgery (PGY 1-5)
- E.** Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs (PGY 1-5)

### **Professionalism (PGY1, 3, 5)**

- A. Residents shall maintain high ethical standards in dealing with patients, family members, patient data, and other members of the healthcare team
- B. Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the duty hour restrictions
- C. Residents shall demonstrate sensitivity to age, gender, and culture of patients and other members of the healthcare team

### **Systems-based practice (PGY1, 3, 5)**

The vascular surgery rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- A. Residents will learn to practice high quality cost effective, evidence based patient care. This knowledge will be gained through participation in the conferences listed above in the medical knowledge competency and include the M&M, Vascular walk rounds, Vascular case conference and journal clubs (see discussion about each of these above) (PGY 1-5)
- B. Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of vascular surgery patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; eliminating or reducing catheter associated urinary infections by early removal of indwelling catheters from post-operative patients (PGY 1-5)
- C. Residents will be exposed to protocol driven practices as they related to central line insertion in ICU patients, selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion

criteria, and observation of contact precautions for patients with multidrug resistant infections (among others) (PGY 1-5)

- D. Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large (PGY 1-5)

# **PLASTIC SURGERY GOALS AND OBJECTIVES (PGY1, 2, 3)**

## **GOALS**

Through rotation on the plastic surgery service, residents shall attain the following goals:

### **I. Patient Care**

A. Preoperative Care Setting: outpatient clinic and inpatient service (primary and consultation)

Residents will evaluate and develop a plan of care for preoperative patients with plastic surgery conditions. The plan shall include any intervention(s) that will successfully prepare a patient for surgery

- i) The resident will perform complete and detailed history and physical examinations of patients being considered for elective as well as urgent/emergent surgery (PGY 1, 2, 3)
- ii) The resident will learn to obtain and interpret laboratory and radiologic tests that are appropriate for the condition being treated and/or the procedure being planned (PGY 1, 2, 3)
- iii) The resident will demonstrate an understanding of the principles of preoperative patient selection and optimization (ie cardiopulmonary risk assessment; nutritional status; special considerations such as thrombophilias/bleeding disorders, steroid dependent patients, multiple comorbidities, etc...) (PGY 1, 2, 3)
- iv) The resident will participate in the informed consent process for patients being scheduled for elective and urgent/emergent procedures or surgeries. The informed consent process includes identifying and reviewing with the patient the risks, benefits and alternatives of the planned intervention (PGY 1, 2, 3)

B. Operative Care Setting: 5N and 2W

The following are a list of essential common operations that the resident(s) can be expected to have exposure to by the completion of their plastic surgery rotation:

Skin/Soft Tissue Lesions – Excisional and Incisional Biopsy (PGY 1, 2, 3)  
 Soft Tissue Infections – Incision, Drainage, Debridement (PGY1, 2, 3)  
 Abdominal wall Reconstruction – Components separation (PGY1, 2, 3)  
 Complex Wound Closure – (PGY1, 2, 3)  
 Skin Grafting - (PGY 1, 2, 3)

The following are a list of the complex operations that the resident(s) can be expected to have exposure to by the completion of their surgical oncology rotation:

Tendon Repair – (PGY 1, 2, 3)

C. Postoperative Care Setting: outpatient surgery center, inpatient floor, outpatient clinic

Residents shall develop and follow through with a plan of care for the post-operative plastic surgery patient. This plan generally focuses on, but is not limited to: pain control; fluid and electrolyte management; resuscitation of critically ill patients; the identification and treatment of common post-operative complications including bleeding, infection, thromboembolism (among others); identification of discharge appropriate patients and coordination of care as they transition back to home following their surgery/procedure.

### 1. Outpatient surgery center

- A) The resident will follow up on any and all pertinent post-operative tests, imaging studies prior to discharging a plastic surgery patient who has undergone an elective, same day procedure (PGY 1, 2, 3)
- B) The resident will successfully choose an oral analgesic home regimen that will adequately manage a plastic surgery patient's pain who has undergone an elective, same day procedure (PGY 1, 2, 3)
- C) The resident will successfully complete and review with the plastic surgery patient who has undergone an elective, same day procedure the patient's discharge instructions. Key points will include activity restrictions, wound care/drain instructions and reconciliation of the patient's medication list (PGY 1, 2, 3)
- D) The resident will successfully coordinate appropriate surgical follow up (PGY 1, 2, 3)

### 2. Inpatient floor

- A) The resident team is expected to make morning rounds on the inpatient plastic surgery patient list (including the consult service) prior to the start of the day's activities (OR cases, clinic) (PGY 1, 2, 3)
- B) After rounds, the chief resident (or senior most available resident) is expected to call the attending physician of record to review the plan of the day for each individual patient. Common issues to be discussed should include vital signs (including pain control), Is/Os, physical exam findings, daily labs, medication review, consultant recommendations. The daily plan will generally consist (among others) of identifying possible discharge appropriate patients, advancement of diet, repletion of electrolyte abnormalities, adjustment of medications, drain and tube management, need for diagnostic tests to be ordered or new consults to be called (PGY 1, 2, 3)
- C) The resident team will divide the work for the day in such a manner that it will be performed as efficiently as possible. Priority should be given to obtaining and following up on important studies expeditiously as well as discharges. The goal for all discharges is out the day by noon (PGY 1, 2, 3)

### 3. Out-patient clinic

- A) When circumstance allows, residents will see patient on whom they performed surgery for their 1<sup>st</sup> outpatient post-operative follow up visit. This will provide for continuity of care that will allow the resident to gain an understanding of the anticipated normal recovery from the various essential

common and complex operations as well as gain experience in identifying instances in which deviation from the norm is occurring as how such instances are approached/managed (PGY 1, 2, 3)

B) Residents will see plastic surgery patients who are in longitudinal surveillance of their disease following their surgical intervention. This experience will provide the resident with an initial exposure to the ongoing care of plastic surgery patients even after their operation is performed (PGY 1, 2, 3)

## **II. Medical Knowledge**

Resident fund of knowledge as it relates to plastic surgery will be expanded through a variety means, some of which are structured and others of which require independent initiative from the residents who are rotating on the service. These include: 1) Conferences, 2) Journal club 3) Assigned readings 4) Truelearn quizzes

- A. Conferences: Residents are expected to attend weekly Wednesday morning morbidity and mortality conference. Complications from the plastic surgery service are to be presented by the resident who was involved in the case in front of a group of their peers as well as the surgical faculty at large. This conference will give residents an opportunity to think critically about specific steps in the preoperative workup, operative conduct and/or post-operative care of patients who have experienced a complication and identify opportunities for alternative decisions in similar, future cases that may lead to improved outcomes. Evidenced based practice patterns should be emphasized when applicable (PGY 1, 2, 3)
- B. Journal Club: Residents are expected to participate in the monthly journal club sessions that are part of the weekly Wednesday morning didactic sessions (PGY 1, 2, 3)
- C. Assigned Readings: Residents will cover various plastic surgery topics, among others, as part of their assigned weekly reading curriculum through the program at large. The SCORE curriculum is the chosen curriculum for the general surgery residency. Plastic surgery faculty will participate in leading didactic discussion(s) at Wednesday morning education conference at different points in the year when plastic surgery topics are the assigned topic for the week. Additionally, residents are encouraged to educate themselves upon the scientific information relating to plastic surgery.
- D. Residents are expected to complete TrueLearn quizzes that are assigned by the program director or program manager in a timely manner. Areas of deficiency as defined by their performance on the TrueLearn quizzes should serve as the focus for future study plans.

## **III. Practice-based Learning**

Residents are expected to engage in critical self review as it relates to the cases in which they participate, whether it be in the operating room, on the wards or in the outpatient setting.

1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement (PGY 1, 2, 3)

2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant (PGY 1, 2, 3)
3. Residents shall distribute operative cards to attendings with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder (PGY 1, 2, 3)
4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly (PGY 1, 2, 3)
5. Residents shall familiarize themselves with evidence based guidelines related to disease prevention, patient safety and quality (SCIP measures, DVT prophylaxis guidelines, etc) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures) (PGY 1, 2, 3)

#### **IV. Interpersonal and Communication Skills**

The plastic surgery service provides unique opportunities for residents to develop their interpersonal and communication skills, both in the context of physician to patient interactions as well as in interactions as part of the health care delivery team.

- A. Residents will be given the opportunity to observe (PGY1) and eventually participate in (PGY 2, 3) the process of delivering bad news to patients and their families/friends. These opportunities exist in the outpatient as well as the inpatient setting and arise in the context of discussing pathology reports, diagnostic findings and prognosis (among others)
- B. Residents will also be called upon to communicate the daily plan and progress of patients admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular patient. The healthcare team will include nurses, therapists, APPs, care managers and other physicians serving as consultants (PGY 1, 2, 3)
- C. Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medicolegal documentation (PGY1, 2, 3)
- D. Residents shall participate in the informed consent process for patients being scheduled for elective and emergent/urgent procedures or surgery (PGY 1, 2, 3)
- E. Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs (PGY 1, 2, 3)

#### **V. Professionalism**

The plastic surgery rotation offers many opportunities for residents to hone their skills as they relate to professionalism.

- A. Residents will have opportunities to learn how to be honest and sincere with patients. Examples include breaking bad news and explaining surgical

complications (PGY1, 2, 3)

- B. Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the 80-hour duty restrictions (PGY 1, 2, 3)
- C. Residents shall learn to maintain patient confidentiality (PGY 1, 2, 3)
- D. Residents will learn the importance of accurate medical documentation (PGY 1, 2, 3)
- E. Residents will be expected to adhere to the hospital's code of professional conduct as it relates to appearance and dress (PGY 1, 2, 3)
- F. Residents will be expected to be punctual and prepared for all cases, clinics and conferences that they are participating in on any given day (PGY 1, 2, 3)

## **VI. Systems-based practice**

The surgical oncology rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- A. Residents will learn to practice high quality cost effective, evidence based patient care. This knowledge will be gained through participation in the conferences listed above in the medical knowledge competency and include the M&M and journal clubs (see discussion about each of these above) (PGY 1, 2, 3)
- B. Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of plastic surgery patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; eliminating or reducing catheter associated urinary infections by early removal of indwelling catheters from post-operative patients (PGY 1, 2, 3)
- C. Residents will be exposed to protocol driven practices as they relate to selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion criteria, and observation of contact precautions for patients with multidrug resistant infections (among others) (PGY 1, 2, 3)
- D. Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large (PGY 1, 2, 3)



# TRAUMA AND SURGERY GOALS AND OBJECTIVES (PGY1, 2, 4)

## GOALS

Through rotation on the trauma and emergency surgery service, residents shall attain the following goals:

	PGY 1	PGY 2	PGY 4
<b>Patient Care</b>			
<b>Trauma Resuscitations:</b> the resident should participate in each trauma resuscitation.	Role is as delineated in the trauma resuscitation guidelines and as directed by the chief resident or faculty	Aid the team leader for each resuscitation	The resident is the team leader for each trauma resuscitation. *Implement the trauma resuscitation guidelines. *Direct all members of the team if additional procedures/evaluation needs to be completed
	Collect and document: *pre-hospital information *history and exam *laboratory and radiologic exams.	Collect and document: *pre-hospital information *history and exam *laboratory and radiologic exams.	Discussion an appropriate plan with the trauma attending
	Learn the normal and abnormal values for laboratory tests and learn the appropriate interventions for each	Order appropriate laboratory and radiologic exams and interpret the results *identify and correct coagulopathy	The resident should manage the fluid resuscitation of each patient, i.e. fluid rates and type, fluid boluses, need for blood.  Residents should be able to direct resuscitation including use of crystalloids, colloids, vasopressors, and inotropes
	Interpret radiologic tests i.e. CT scans of the head, chest, abdomen and pelvis	Interpret tests and apply to designation of patient disposition	Interpret test and implement appropriate plan of care based on findings and trauma protocols
		Participate in discussions concerning plan of care and status with the patient and/or family	Lead discussion concerning plan of care and status with the patient and/or family
<b>Inpatient Management</b> of the Trauma Patient and Postoperative Patient	Complete daily notes in a timely and accurate manner	Develop a plan for the continued resuscitation of the critically ill trauma or emergency surgery patient	Residents should be able to direct the continued resuscitation of the critically ill trauma or emergency surgery patient. This includes coordination of consult services, direction of junior residents, and continued evaluation of the patient.
			Ensure that daily notes are completed on all patients
	Identify normal vital signs	Should be able to identify deterioration in a patient's status	Residents should be able to independently identify deterioration in a patient's status and be able to develop a plan of intervention that will be discussed with the attending staff.
All residents shall be able to recognize and differentiate the below problems and conditions and be able to formulate and institute a strategy of care with the assistance of more senior residents or staff.			
Through evaluation of the postoperative patient, the resident shall be able to access and manage:	*Wound care and healing *Identify infected wounds *Identify wound seromas *Fluid and electrolyte abnormalities after surgery *Use and care of	*Identify cardiopulmonary complications: myocardial infarction, pulmonary edema, atelectasis, pulmonary embolism, pneumonia *Identify of renal impairment/failure: pre-renal azotemia, acute renal failure, IV-dye associated renal impairment	*Identify cardiopulmonary complications: myocardial infarction, pulmonary edema, atelectasis, pulmonary embolism, pneumonia *Identify of renal impairment/failure: pre-renal azotemia, acute renal failure, IV-dye associated renal impairment

	surgical drains and chest tubes *Identify infection: surgical site, blood, genitourinary, pulmonary, catheter-related		
	Identify a patient's readiness for discharge	Identify a patient's readiness for discharge	Plan ahead of time for patient disposition
	Identify a patient's need for rehabilitation or nursing home placement	Identify a patient's need for rehabilitation or nursing home placement	Plan ahead of time for patient disposition
Clinic	Be present in clinic weekly	Be present in clinic weekly	Be present in clinic weekly
	Complete clinic notes in a timely manner	Complete clinic notes in a timely manner	Complete clinic notes in a timely manner
	Generate an appropriate outpatient plan for the patient	Generate an appropriate outpatient plan for the patient	Generate an appropriate outpatient plan for the patient

	PGY 1	PGY 2	PGY 4
<b>Medical Knowledge</b>			
Didactics: residents are expected to attend and participate in the weekly didactic sessions including the basic science course, case conference, M&M, Grand Rounds, and the Junior resident discussion sessions.	General Surgery residents only	General Surgery residents only	General Surgery residents only
Multidisciplinary Trauma Conference on Thursday at noon.	Attend weekly	Attend weekly	Present at Multidisciplinary Trauma Conference on Thursday at noon once per TES rotation
Morning Report	Arrive on time and prepared for presentation of new patients, all general surgery patients, and patients ready for discharge	Arrive on time and prepared for presentation of new patients, all general surgery patients, and patients ready for discharge	Arrive on time and prepared for presentation of new patients, all general surgery patients, and patients ready for discharge
It is expected that residents will educate themselves upon the scientific information relating to trauma and emergency surgery.	Read Daily	Use additional sources more specific to Trauma and Emergency Surgery	Use additional sources more specific to Trauma and Emergency Surgery
System function: residents shall gain an understanding of the anatomy, physiology, and function of organs and organ systems affected general surgical conditions and operative procedures	Residents shall reacquaint themselves with the basic physiology and function of the organs and systems, and they shall learn how they are affected by trauma and emergency surgery	Residents shall recognize the basic physiology and function of the organs and systems, and they shall learn how they are affected by trauma and emergency surgery	Residents shall recognize and be able to teach the basic physiology and function of the organs and systems, and they shall learn how they are affected by trauma and emergency surgery
Disease process: All residents shall become familiar with the various disease processes and complications affecting the organ systems commonly seen in trauma and emergency surgery patients			
Follow-up therapy: All residents shall gain an understanding of the follow-up needed and recommended for various trauma and emergency surgical procedures			

	PGY 1	PGY 2	PGY 4
<b>Practice-based Learning</b>			
Residents are expected to critique their performance and their personal practice outcomes	Morbidity & Mortality Conference – Discussion should center on an evidence-based discussion quality improvement	Morbidity & Mortality Conference – Discussion should center on an evidence-based discussion quality improvement	Morbidity & Mortality Conference – Discussion should center on an evidence-based discussion quality improvement
	Residents shall keep logs of their operative cases and all procedures and track their operative proficiency as gauged by		Residents shall keep a log of all the non-operative trauma cases

	whether they assisted or were the surgeon junior or senior or teaching assistant	in which they were the team leader, complications, and outcomes
--	--	---

PGY 1	PGY 2	PGY 4
<b>Interpersonal and Communication Skills</b>		
Residents shall learn to work effectively as part of the trauma and emergency surgery team		
Residents shall foster an atmosphere that promotes the time efficiency and each member of the team		
Residents shall interact with colleagues and members of the ancillary services in a professional and respectful manner		
Residents shall learn to document their practice activities in such a manner that is clear and concise		
Residents shall participate in the informed consent process for patients being scheduled for elective and emergent/urgent procedures or surgery		
Residents shall gain an experience in educating and counseling patients about risks and expected outcomes of procedures or surgeries		
Residents shall perform an appropriate and effective review and checkout to their colleagues whenever they must be absent, i.e. post call, conferences, night float		
		Residents should be able to independently discuss the patient's status, plan of care, and prognosis with a patient and/or family

PGY 1	PGY 2	PGY 4
<b>Professionalism</b>		
Residents shall maintain high ethical standards in dealing with patients, family members, patient data, and other members of the healthcare team		
Residents shall demonstrate sensitivity to age, gender, and culture of patients and other members of the healthcare team		
Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the duty-hour restrictions		Able to manage the work schedule of the team to ensure that all members are within the 80-hour limit
Arrives to the operating room prepared for the case and the care of the patient		
		Effectively leads the services in the care of multiple patients
Demonstrates accountability for ones actions and decisions		

PGY 1	PGY 2	PGY 4
<b>Systems-based practice</b>		
Residents shall learn to practice high quality cost effective patient care. This knowledge should be gained through discussions of patient care		
Attend Conferences <ul style="list-style-type: none"> <li>Trauma Multidisciplinary Conference</li> <li>Surgery Department M&amp;M- General Surgery Residents only</li> <li>Trauma Performance Improvement- Senior Residents only</li> </ul>		
To demonstrate knowledge of risk-benefit analysis		
To assist in the development of a health care plan that provides high quality, cost effective patient care		
To be able to recognize the need for a consultant, make appropriate requests, and provide appropriate information to the consultants		
To recognize and understand the role of other health care professionals in the overall care of the patient		
Follow the protocols outlined in the SICU and Trauma Handbooks		
Arranges appropriate follow up with primary service and consulting services		

- A. Operative Care: Gain an experience that will build toward being competent in the performance of urgent and emergent surgeries; emergent procedures, and urgent ICU related procedures. Also, the resident shall gain experience in elective general surgery as performed by the TES Staff. PGY levels indicate the level of resident most appropriate to participate. This does not preclude a more senior or more junior resident from participating if there is no level appropriate resident available.

	PGY 1	PGY 2	PGY 4
	Placement of chest tube		Be able to teach all procedures listed for the PGY 1-2
	Placement of central venous catheter		Be able to teach all procedures listed for the PGY 1-2
	Perform and interpret FAST (Focused Abdominal Sonography in Trauma)		Be able to teach all procedures listed for the PGY 1-2
	Placement of orogastric tube		Be able to teach all procedures listed for the PGY 1-2
	Arterial blood gas sampling: femoral and radial artery		Be able to teach all procedures listed for the PGY 1-2
	Placement of Foley catheter		Be able to teach all procedures listed for the PGY 1-2
	Placement of nasogastric tube		Be able to teach all procedures listed for the PGY 1-2
	Perform open DPL	Know the indications for and a definition of a positive test	
			Discuss and demonstrate cricothyroidotomy
			Discuss and/or demonstrate emergent thoracotomy
			Discuss and/or demonstrate aortic occlusion
			Discuss and/or demonstrate pericardiotomy
		Incarcerated Groin Hernia, open	
		Incarcerated Abdominal wall hernia, open: umbilical, incisional, recurrent	
	Placement of venous catheter		Be able to teach all procedures listed for the PGY 1-2
	Placement of arterial catheter		Be able to teach all procedures listed for the PGY 1-2
	Appendectomy, open / laparoscopic		Be able to teach all procedures listed for the PGY 1-2
	Drainage of intra-abdominal abscess, simple		Be able to teach all procedures listed for the PGY 1-2
	EGD/PEG		Be able to teach all

		procedures listed for the PGY 1-2
	Bronchoscopy	Be able to teach all procedures listed for the PGY 1-2
	Groin Hernia, open	Be able to teach all procedures listed for the PGY 1-2
	Groin Hernia, laparoscopic	
	Abdominal wall hernia, open: umbilical, incisional, recurrent	
	Diagnostic laparoscopy	Be able to teach all procedures listed for the PGY 1-2
	Small bowel resection	
	Small bowel repair for trauma	
	Colectomy, left/total	
	Low anterior resection	
	Colectomy, right	
	Large bowel resection, anastomosis, or diversion	
	Cholecystectomy, open	
	Cholecystectomy, laparoscopic	
	Enterolysis	
	Soft tissue mass/infection/abscess, simple	Be able to teach all procedures listed for the PGY 1-2
	Soft tissue mass/infection/abscess, complex	
	Exploratory laparotomy	
	Damage control laparotomy	
	Hepatic packing for trauma	
	Pancreatic debridement or drainage for trauma	
	Splenectomy, open for trauma	
	Tracheostomy	Be able to teach all procedures listed for the PGY 1-2
	Percutaneous Tracheostomy	Be able to teach all procedures listed for the PGY 1-2

E. Emergent/Urgent General Surgical Care outside Trauma: Residents will evaluate and manage emergent/urgent general surgical conditions

1. Perforated hollow viscous
2. Acute inflammatory diseases of the alimentary tract (cholecystitis, colitides, Crohn's disease, ulcerative colitis, appendicitis)
3. Breast infection/inflammation
4. Gastrointestinal hemorrhage
5. Soft tissue infections
6. Mesenteric ischemic disease of the small and large bowel
7. Infected prosthesis: ports, central lines, mesh

# PEDIATRIC SURGERY GOALS AND OBJECTIVES (PGY 3, 4)

## GOALS

Through rotation on the pediatric surgery service, residents shall attain the following goals:

### **I. Patient Care**

A. Preoperative Care Setting: outpatient clinic and inpatient service (primary and consultation)

Residents will evaluate and develop a plan of care for preoperative and post operative pediatric surgery patients. The plan shall include any intervention(s) that will successfully prepare a pediatric patient for surgery as well as facilitate their recovery from surgery.

- i) The resident will perform complete and detailed history and physical examinations of patients being considered for elective as well as urgent/emergent surgery
- ii) The resident will learn to obtain and interpret laboratory and radiologic tests that are appropriate for the condition being treated and/or the procedure being planned
- iii) The resident will demonstrate an understanding of the principles of preoperative patient selection and optimization (ie size, weight and age of patient; nutritional status; special considerations such as associated congenital anomalies and their impact on the planned procedure, etc...)
- iv) The resident will participate in the informed consent process for patients being scheduled for elective and urgent/emergent procedures or surgeries. The informed consent process includes identifying and reviewing with the parents of the child the risks, benefits and alternatives of the planned intervention

B. Operative Care Setting: 5N and 2W

The following are a list of “core” operations that the resident(s) can be expected to have exposure to by the completion of their pediatric surgery rotation:

- Inguinal hernia repair
- Intussusception – operation
- Malrotation – operation
- Meckel’s diverticulum – excision
- Pyloromyotomy
- Umbilical hernia repair

The following are a list “advanced” operations that the resident(s) can be expected to have exposure to by the completion of their pediatric surgery rotation:

Antireflux procedures  
 Diaphragmatic Hernia – Repair  
 Esophageal Atresia/Tracheoesophageal Fistula – Repair  
 Hirschsprung's disease – operation  
 Imperforate Anus – operation  
 Intestinal Atresia/Stenosis – operation  
 Meconium ileus – operation  
 Necrotizing enterocolitis – operation  
 Omphalocele/Gastroschisis – operation  
 Wilms tumor/neuroblastoma – excision

C. Postoperative Care Setting: outpatient surgery center, inpatient floor, outpatient clinic

Residents shall develop and follow through with a plan of care for the post-operative pediatric surgery patient. This plan generally focuses on, but is not limited to: pain control; identification and treatment of common post-operative complications including bleeding, infection, sepsis, identification of discharge appropriate patients and coordination of care as they transition back to home following their surgery/procedure.

#### 1. Outpatient surgery center

- A) The resident will follow up on any and all pertinent post-operative tests, imaging studies prior to discharging a pediatric surgery patient who has undergone an elective, same day procedure
- B) The resident will successfully choose an oral analgesic home regimen that will adequately manage a pediatric surgery patient's pain who has undergone an elective, same day procedure
- C) The resident will successfully complete and review with the pediatric surgery patient who has undergone an elective, same day procedure the patient's discharge instructions. Key points will include activity restrictions, wound care/drain instructions and reconciliation of the patient's medication list
- D) The resident will successfully coordinate appropriate surgical follow up

#### 2. Inpatient floor

- A) The resident team is expected to make morning rounds on the inpatient pediatric surgery patient list (including the consult service) prior to the start of the day's activities (OR cases, clinic)
- B) After rounds, resident is expected to call the attending physician of record to review the plan of the day for each individual patient. Common issues to be discussed should include vital signs (including pain control), Is/Os, physical exam findings, daily labs, medication review, consultant recommendations. The daily plan will generally consist (among others) of identifying possible discharge appropriate patients, advancement of diet, repletion of electrolyte abnormalities, adjustment of medications, drain and tube management, need for diagnostic tests to be ordered or new consults to be called
- C) The resident will perform the day's work in a manner that is as efficient as possible. This may include delegating responsibility to APPs when appropriate. Priority should be given to obtaining and following up on important studies

expeditiously as well as discharges. The goal for all discharges is out the day by noon

### 3. Out-patient clinic

A) When circumstance allows, residents will see patient on whom they performed surgery for their 1<sup>st</sup> outpatient post-operative follow up visit. This will provide for continuity of care that will allow the resident to gain an understanding of the anticipated normal recovery from the various essential common and complex operations as well as gain experience in identifying instances in which deviation from the norm is occurring as how such instances are approached/managed

B) Residents will see pediatric surgery patients who are in longitudinal surveillance of their disease following their surgical intervention. This experience will provide the resident with an initial exposure to the ongoing care of pediatric surgery patients even after their operation is performed

## II. Medical Knowledge

Resident fund of knowledge as it relates to pediatric surgery will be expanded through a variety means, some of which are structured and others of which require independent initiative from the residents who are rotating on the service. These include: 1) Conferences, 2) Journal club 3) Assigned readings 4) Truelearn quizzes

- A. Conferences: Residents are expected to attend weekly Wednesday morning morbidity and mortality conference. Complications from the pediatric surgery service are to be presented by the resident who was involved in the case in front of a group of their peers as well as the surgical faculty at large. This conference will give residents an opportunity to think critically about specific steps in the preoperative workup, operative conduct and/or post-operative care of patients who have experienced a complication and identify opportunities for alternative decisions in similar, future cases that may lead to improved outcomes. Evidenced based practice patterns should be emphasized when applicable
- B. Residents are expected to attend every other month combined case conference with UPMC pediatric surgery division. This conference is a teleconference in which residents and fellows from both institutions present cases and discuss management. Conference is held every other month on the third Thursday of the month.
- C. Journal Club: Residents are expected to participate in monthly journal clubs as part of the Wednesday morning didactic curriculum
- D. Assigned Readings: Residents will cover various pediatric topics, among others, as part of their assigned weekly reading curriculum through the program at large. The SCORE curriculum is the chosen curriculum for the general surgery residency. Pediatric surgery faculty will participate in leading didactic discussion(s) at Wednesday morning education conference at different points in the year when pediatric surgery topics are the assigned topic for the week. Additionally, residents are encouraged to educate themselves upon the scientific information relating to pediatric surgery.
- E. Residents are expected to complete TrueLearn quizzes that are assigned by the program director or program manager in a timely manner. Areas of deficiency as



defined by their performance on the TrueLearn quizzes should serve as the focus for future study plans.

### **III. Practice-based Learning**

Residents are expected to engage in critical self review as it relates to the cases in which they participate, whether it be in the operating room, on the wards or in the outpatient setting.

1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement
2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant
3. Residents shall distribute operative cards to attendings with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder
4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly
5. Residents shall familiarize themselves with evidence based guidelines related to disease/injury prevention, patient safety and quality (SCIP measures) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures)

### **IV. Interpersonal and Communication Skills**

The pediatric surgery service provides unique opportunities for residents to develop their interpersonal and communication skills, both in the context of physician to patient interactions as well as in interactions as part of the health care delivery team.

- A. Residents will be given the opportunity to observe and eventually participate in the process of delivering bad news to patients and their families/friends. These opportunities exist in the outpatient as well as the inpatient setting and arise in the context of discussing pathology reports, diagnostic findings and prognosis
- B. Residents will also be called upon to communicate the daily plan and progress of patients admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular patient. The healthcare team will include nurses, therapists, care managers, APPs and other physicians serving as consultants
- C. Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medico-legal documentation
- D. Residents shall participate in the informed consent process for patients being scheduled for elective and emergent/urgent procedures or surgery
- E. Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs

### **V. Professionalism**

The pediatric surgery rotation offers many opportunities for residents to hone their

skills as they relate to professionalism.

- A. Residents will have opportunities to learn how to be honest and sincere with patients. Examples include breaking bad news and explaining surgical complications
- B. Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the 80-hour duty restrictions
- C. Residents shall learn to maintain patient confidentiality
- D. Residents will learn the importance of accurate medical documentation
- E. Residents will be expected to adhere to the hospital's code of professional conduct as it relates to appearance and dress
- F. Residents will be expected to be punctual and prepared for all cases, clinics and conferences that they are participating in on any given day

## **VI. Systems-based practice**

The pediatric surgery rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- E. Residents will learn to practice high quality cost effective, evidence based patient care. This knowledge will be gained through participation in the conferences listed above in the medical knowledge competency and include the M&M, case conferences and journal clubs (see discussion about each of these above)
- F. Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of pediatric surgery patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; eliminating or reducing catheter associated urinary infections by early removal of indwelling catheters from post-operative patients; learning best practice guidelines for reducing catheter associated infections upon central venous catheter (CVC) insertion
- G. Residents will be exposed to protocol driven practices as they related to selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion criteria, and observation of contact precautions for patients with multidrug resistant infections (among others)
- H. Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large

# NIGHT FLOAT ROTATION CORE OBJECTIVES (PGY4, 5)

## GOALS

Through rotation on the Night Float service, residents shall attain the following goals:

- I. **Patient care:** The Night Float rotation will consist of a PGY4 or 5 residents who will have a designated shift, 5:30 pm to 6:30 am Sunday through Friday. Wednesday shift is from 7 pm to 6:30 am.

PGY-4-5: The patient care responsibilities for the PGY-4,5 residents rotating Night Float will be the same as those the senior (PGY- 4,5) surgical residents on the General, Oncologic, Vascular, Pediatric, Plastic, and Trauma Surgery services. Please see each section for specifics. One exception for this rotation is that there will be no outpatient clinic requirement. Additionally, this rotation offers a unique opportunity for PGY4 and 5 residents to evaluate patients in the evening hours independently with specific emphasis on acute operative or post-operative issues. Residents are then expected to make an assessment and formulate a plan which will then be reviewed/executed either over the phone or in the case of invasive procedures/operations by means of direct supervision with the on call faculty for whichever service the patient in question is being managed.

## II. Medical Knowledge

PGY-4-5: The medical knowledge objectives for the PGY-4,5 residents rotating Night Float will be the same as those the senior (PGY- 4,5) surgical residents on the General, Oncologic, Vascular, Pediatric, Plastic, and Trauma Emergency Surgery services. Please see each section for specifics. Please see each section for specifics.

## III. Practice-based Learning

Residents are expected to critique their performance and their personal practice outcomes

1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement
2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant
3. Residents shall distribute operative cards to attendings with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder
4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly
5. Residents shall familiarize themselves with evidence based guidelines related to disease/injury prevention, patient safety and quality (SCIP measures) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures)

## IV. Interpersonal and Communication Skills

- A. Residents will be given the opportunity to deliver bad news to patients and their families/friends. These opportunities exist in the context of discussing diagnostic findings and prognosis
- B. Residents will also be called upon to communicate the plan of patients admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular patient.
- C. Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medico-legal documentation
- D. Residents shall participate in the informed consent process for patients being scheduled for emergent/urgent procedures or surgery
- E. Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs

## **V. Professionalism**

- A. Residents will have opportunities to learn how to be honest and sincere with patients. Examples include breaking bad news
- B. Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the 80-hour duty restrictions
- C. Residents shall learn to maintain patient confidentiality
- D. Residents will learn the importance of accurate medical documentation
- E. Residents will be expected to adhere to the hospital's code of professional conduct as it relates to appearance and dress
- F. Residents will be expected to be punctual and prepared for all cases, clinics and conferences that they are participating in on any given day

## **VI. Systems-based practice**

The nightfloat rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- A. Residents will learn to practice high quality cost effective, evidence based patient care.
- B. Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of adult and pediatric surgery patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; learning best practice guidelines for reducing catheter associated infections upon central venous catheter (CVC) insertion, etc
- C. Residents will be exposed to protocol driven practices as they related to selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion criteria, and observation of contact precautions for patients with multidrug resistant infections (among others)
- D. Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large

# **CONSULT SERVICE (PGY2, 3)**

## **GOALS**

Through rotation on the consult service, residents shall attain the following goals:

- I. **Patient care:** The consult rotation will consist of a PGY2 or 3 resident who will have a designated shift, 6:30am to 6:00pm Monday through Friday. On weekends the consult resident may be asked to cover out of house call responsibilities at the VAMC as the senior resident at that site. Additionally, when the PGY3 at the VAMC schedules a week of vacation, the consult resident may be pulled from this service and asked to cover for the entire week as the senior resident at the VAMC. This will require the consult service resident keeping their VAMC computer access up to date at all times. Additionally, appropriate signout of patients **MUST** occur prior to the consult resident assuming any responsibilities for the VAMC whether it be weekend or vacation coverage.

The patient care responsibilities for the PGY-2,3 residents rotating consult service will be to see new consults that are called for the general, surg onc, vascular, pediatric, plastic, and breast services during the hours listed above. Residents will see, evaluate and develop a plan of care for these patients with the appropriate attending from the appropriate service. If the plan involves an operation within the first 24 hours of the patient being seen, the consult resident should prepare the patient for surgery and perform the case. If not, the consult resident is expected to transition the care of the patient to the appropriate surgical team in a manner consistent with best practices as it relates to transitions of care.

## II. Medical Knowledge (PGY2, 3)

PGY-2-3: The medical knowledge objectives for the residents rotating on the consult service will be the same as those for the surgical residents on the General, Oncologic, Vascular, Pediatric, Plastic, and Breast Surgery services. Please see each section for specifics.

## III. Practice-based Learning (PGY2, 3)

Residents are expected to critique their performance and their personal practice outcomes

1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement
2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant
3. Residents shall distribute operative cards to attendings with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder
4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly
5. Residents shall familiarize themselves with evidence based guidelines related to disease/injury prevention, patient safety and quality (SCIP measures) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures)

## IV. Interpersonal and Communication Skills (PGY2, 3)

- A. Residents will be given the opportunity to deliver bad news to patients and their families/friends. These opportunities exist in the context of discussing diagnostic findings and prognosis
- B. Residents will also be called upon to communicate the plan of patients admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular patient.
- C. Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medico-legal documentation
- D. Residents shall participate in the informed consent process for patients being scheduled for emergent/urgent procedures or surgery
- E. Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs

## **V. Professionalism (PGY2, 3)**

- A. Residents will have opportunities to learn how to be honest and sincere with patients. Examples include breaking bad news
- B. Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the 80-hour duty restrictions
- C. Residents shall learn to maintain patient confidentiality
- D. Residents will learn the importance of accurate medical documentation
- E. Residents will be expected to adhere to the hospital's code of professional conduct as it relates to appearance and dress
- F. Residents will be expected to be punctual and prepared for all cases, clinics and conferences that they are participating in on any given day

## **VI. Systems-based practice (PGY2, 3)**

The consult rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- A. Residents will learn to practice high quality cost effective, evidence based patient care.
- B. Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of adult and pediatric surgery patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; learning best practice guidelines for reducing catheter associated infections upon central venous catheter (CVC) insertion, etc
- C. Residents will be exposed to protocol driven practices as they related to selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion criteria, and observation of contact precautions for patients with multidrug resistant infections (among others others)
- D.** Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large

## **VETERAN'S ADMIN MEDICAL CENTER (VAMC) ROTATION CORE OBJECTIVES (PGY1, 3)**

### **GOALS**

Through rotation on the VAMC surgery service, residents shall attain the following goals:

#### **I. Patient Care (PGY1, 3)**

A. Preoperative Care Setting: outpatient clinic and inpatient service (primary and consultation)

Residents will evaluate and develop a plan of care for veterans in the preoperative and post operative settings. The plan shall include any intervention(s) that will successfully prepare a veteran for surgery as well as facilitate their recovery from surgery.

- i) The resident will perform complete and detailed history and physical examinations of veterans being considered for elective as well as urgent/emergent surgery
- ii) The resident will learn to obtain and interpret laboratory and radiologic tests that are appropriate for the condition being treated and/or the procedure being planned
- iii) The resident will demonstrate an understanding of the principles of preoperative patient selection and optimization (comorbidities, medications, appropriate preoperative testing, etc...)
- iv) The resident will participate in the informed consent process for veterans being scheduled for elective and urgent/emergent procedures or surgeries. The informed consent process includes identifying and reviewing with the veteran and/or their family the risks, benefits and alternatives of the planned intervention

B. Operative Care Setting: VAMC operating suites

The following are a list of "core" operations that the resident(s) can be expected to have exposure to by the completion of their VAMC rotation (PGY1,3):

- Diagnostic Laparoscopy
- Intraabdominal Abscess – Drainage
- Peritoneal Lesion – Biopsy
- Inguinal and Femoral Hernia – Repair
- Ventral Hernia – Repair
- Cholecystectomy with or without Cholangiography
- Cholecystostomy
- Hepatic Biopsy

Duodenal Perforation – Repair  
 Gastrectomy – Partial  
 Gastrostomy  
 Adhesiolysis  
 Feeding Jejunostomy  
 Ileostomy  
 Ileostomy Closure  
 Small Intestinal Resection  
 Appendectomy  
 Colectomy – Partial  
 Colectomy – Subtotal (with ileorectal anastomosis/ileostomy)  
 Colostomy  
 Colostomy Closure  
 Anal Fistulotomy/Seton Placement  
 Anorectal Abscess Drainage  
 Hemorrhoidectomy  
 Perianal Condyloma Excision  
 Colonoscopy  
 Esophagogastroduodenoscopy  
 Proctoscopy and Sigmoidoscopy  
 Melanoma – WLE  
 Pilonidal Cystectomy  
 Skin and Soft Tissue Lesions – Excisional and Incisional Biopsy  
 Soft Tissue Infections – Incision, Drainage, Debridement  
 Percutaneous Vascular Access  
 Venous Access Devices – Insertion  
 Chest Tube Placement and Management  
 Complex Wound Closure  
 Lymph Node Biopsy  
 Tracheostomy

The are currently no “advanced” operations being performed on the VAMC rotation:

C. Postoperative Care Setting: outpatient surgery center, inpatient floor, outpatient clinic (**PGY1, 3**)

Residents shall develop and follow through with a post operative plan of care for the veteran who has undergone surgery. This plan generally focuses on, but is not limited to: pain control; identification and treatment of common post-operative complications including bleeding, infection, sepsis, identification of discharge appropriate veterans and coordination of care as they transition back to home following their surgery/procedure.

#### 1. Outpatient surgery center

A) The resident will follow up on any and all pertinent post-operative tests, imaging studies prior to discharging a veteran who has undergone an elective, same day procedure

B) The resident will successfully choose an oral analgesic home regimen that will adequately manage a veteran’s pain who has undergone an elective, same



day procedure

C) The resident will successfully complete and review with the veteran who has undergone an elective, same day procedure their discharge instructions. Key points will include activity restrictions, wound care/drain instructions and reconciliation of the veteran's medication list

D) The resident will successfully coordinate appropriate surgical follow up

## 2. Inpatient floor

A) The resident team is expected to make morning rounds on the inpatient VAMC patient list (including the consult service) prior to the start of the day's activities (OR cases, clinic)

B) After rounds, the resident team is expected to call the attending physician of record to review the plan of the day for each individual veteran. Common issues to be discussed should include vital signs (including pain control), Is/Os, physical exam findings, daily labs, medication review, consultant recommendations. The daily plan will generally consist (among others) of identifying possible discharge appropriate veterans, advancement of diet, repletion of electrolyte abnormalities, adjustment of medications, drain and tube management, need for diagnostic tests to be ordered or new consults to be called

C) The resident will perform the day's work in a manner that is as efficient as possible. Priority should be given to obtaining and following up on important studies expeditiously as well as discharges.

## 3. Out-patient clinic

A) When circumstance allows, residents will see veterans on whom they performed surgery for their 1<sup>st</sup> outpatient post-operative follow up visit. This will provide for continuity of care that will allow the resident to gain an understanding of the anticipated normal recovery from the various core procedures listed above as well as gain experience in identifying instances in which deviation from the norm is occurring as how such instances are approached/managed

B) Residents will see veterans who are in longitudinal surveillance of their disease following their surgical intervention. This experience will provide the resident with an initial exposure to the ongoing care of veterans even after their operation is performed

## II. Medical Knowledge (PGY1, 3)

Resident fund of knowledge will be expanded through a variety means, some of which are structured and others of which require independent initiative from the residents who are rotating on the service. These include: 1) Conferences, 2) Journal club 3) Assigned readings 4) Truelearn quizzes

A. Conferences: Residents are expected to attend weekly Wednesday morning morbidity and mortality conference. One resident is to be in attendance in person while the other is to be participating off site via conference call/telecommunication at the main campus. Complications from the VAMC are to be presented by the resident who was involved in the case in front of a group

of their peers as well as the surgical faculty at large. This conference will give residents an opportunity to think critically about specific steps in the preoperative workup, operative conduct and/or post-operative care of patients who have experienced a complication and identify opportunities for alternative decisions in similar, future cases that may lead to improved outcomes.

Evidenced based practice patterns should be emphasized when applicable

- B. Journal Club: Residents are expected to participate in monthly journal clubs as part of the Wednesday morning didactic curriculum
- C. Assigned Readings: Residents will cover various topics related to various Core and Advanced Diseases/Conditions as part of their assigned weekly reading curriculum through the program at large. The SCORE curriculum is the chosen curriculum for the general surgery residency.
- D. Residents are expected to complete TrueLearn quizzes that are assigned by the program director or program manager in a timely manner. Areas of deficiency as defined by their performance on the TrueLearn quizzes should serve as the focus for future study plans.

### **III. Practice-based Learning (PGY1, 3)**

Residents are expected to engage in critical self review as it relates to the cases in which they participate, whether it be in the operating room, on the wards or in the outpatient setting.

- 1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement
- 2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant
- 3. Residents shall distribute operative cards to attendings with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder
- 4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly
- 5. Residents shall familiarize themselves with evidence based guidelines related to disease/injury prevention, patient safety and quality (SCIP measures) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures)

### **IV. Interpersonal and Communication Skills (PGY1, 3)**

The VAMC service provides unique opportunities for residents to develop their interpersonal and communication skills, both in the context of physician to patient interactions as well as in interactions as part of the health care delivery team.

- A. Residents will be given the opportunity to observe and eventually participate in the process of delivering bad news to veterans and their families/friends. These opportunities exist in the outpatient as well as the inpatient setting and arise in the context of discussing pathology reports, diagnostic findings and prognosis

- B. Residents will also be called upon to communicate the daily plan and progress of veterans admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular veteran. The healthcare team will include nurses, therapists, care managers, APPs and other physicians serving as consultants
- C. Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medico-legal documentation
- D. Residents shall participate in the informed consent process for veterans being scheduled for elective and emergent/urgent procedures or surgery
- E. Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs

## **V. Professionalism (PGY1, 3)**

The VAMC rotation offers many opportunities for residents to hone their skills as they relate to professionalism.

- A. Residents will have opportunities to learn how to be honest and sincere with veterans. Examples include breaking bad news and explaining surgical complications
- B. Residents shall demonstrate a commitment to the continuity of care of a veteran within the confines of the 80-hour duty restrictions
- C. Residents shall learn to maintain veteran confidentiality
- D. Residents will learn the importance of accurate medical documentation
- E. Residents will be expected to adhere to the hospital's code of professional conduct as it relates to appearance and dress
- F. Residents will be expected to be punctual and prepared for all cases, clinics and conferences that they are participating in on any given day

## **VI. Systems-based practice (PGY1, 3)**

The VAMC rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- A. Residents will learn to practice high quality cost effective, evidence based patient care. This knowledge will be gained through participation in the conferences listed above in the medical knowledge competency and include the M&M, case conferences and journal clubs (see discussion about each of these above)
- B. Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of pediatric surgery patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; eliminating or reducing catheter associated urinary infections by early removal of indwelling catheters from post-operative patients; learning best practice

guidelines for reducing catheter associated infections upon central venous catheter (CVC) insertion

- C. Residents will be exposed to protocol driven practices as they related to selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion criteria, and observation of contact precautions for patients with multidrug resistant infections (among others)
- D. Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large
- E. Residents will learn about the workings of a national health care system such as the Veteran's Administration and how such a system differs from a market based health care system such as that which exists in the other hospitals through which they rotate (Ruby Memorial or Baylor University Medical Center)

## **TRANSPLANT ROTATION CORE OBJECTIVES (PGY3)**

### **Baylor University Medical Center**

The transplant rotation strives to develop the general competencies of residents by providing an opportunity to take part in all phases of the transplant process from donor selection, to harvest, to actual transplant and postoperative care under direct attending supervision. The Baylor Regional Transplant Institute performs 150-180 liver (adult and pediatric) transplant, 150-180 kidney (living donor and cadaveric) transplants, and 10-20 pancreas transplants yearly. Residents rotate off site due to the surgery RRC requirement for direct patient care of transplant patients and the lack of a solid organ transplant program at WVU. The resident rotation is primarily focused to provide exposure to transplant surgery and patient management. The residents will directly interact with the transplant surgeons on a daily basis in the operating room and patient floors. Additionally, there are scheduled conferences and didactics aimed at increasing the resident's knowledge of transplant surgery.

### **I. Patient Care (PGY3)**

A. Preoperative Care Setting: outpatient clinic and inpatient service (primary and consultation)

Residents will evaluate and develop a plan of care for patients who are either awaiting solid organ transplantation or those who have already received one in the preoperative and post-operative settings. The plan shall include any intervention(s) that will successfully prepare the patient for surgery or treat their specific post-transplant related condition as well as facilitate their recovery from surgery.

- i) The resident will perform complete and detailed history and physical examinations of patients being considered for transplantation
- ii) The resident will learn to obtain and interpret laboratory and radiologic tests that are appropriate for the condition being treated and/or the procedure being planned

iii) The resident will demonstrate an understanding of the principles of preoperative patient selection and optimization (comorbidities, medications, appropriate preoperative testing, managing organ failure/dysfunction, immunosuppression related conditions and consequences, acute and chronic rejection, etc...)

iv) The resident will participate in the informed consent process for patients being scheduled for elective and urgent/emergent procedures or surgeries. The informed consent process includes identifying and reviewing with the patient and/or their family the risks, benefits and alternatives of the planned intervention

#### **B. Operative Care Setting: Baylor University Medical Center Operating Suites and Donor Runs**

There are no “core” operations that the resident(s) can be expected to have exposure to by the completion of their transplant rotation (**PGY3**):

The following is a list of the “advanced” operations being a resident on the transplant rotation can expect to be exposed to:

En bloc Abdominal Organ Retrieval  
Liver Donor Hepatectomy  
Live Donor Nephrectomy  
Liver Transplantation  
Pancreas Transplantation  
Renal Transplantation

#### **C. Postoperative Care Setting: outpatient surgery center, inpatient floor, outpatient clinic (PGY 3)**

Residents shall develop and follow through with a post-operative plan of care for the transplant recipient in the acute post-transplant period as well as when they are admitted with post-transplant related complications such as those related to rejection (acute and chronic) as well as immunosuppression. This plan generally focuses on, but is not limited to: pain control; identification and treatment of common post-operative complications including bleeding, infection, sepsis, immunosuppression, prophylaxis, treatment of opportunistic infections and others

##### **1. Inpatient floor**

A) The resident team is expected to make morning rounds on the inpatient transplant patient list (including the consult service) prior to the start of the day's activities (OR cases, clinic)

B) After rounds, the resident team is expected to call the attending physician of record to review the plan of the day for each individual veteran. Common issues to be discussed should include vital signs (including pain control), Is/Os, physical exam findings, daily labs, medication review, consultant recommendations. The daily plan will generally consist (among others) of

identifying possible discharge appropriate patients, advancement of diet, repletion of electrolyte abnormalities, adjustment of medications, drain and tube management, need for diagnostic tests to be ordered or new consults to be called

C) The resident will perform the day's work in a manner that is as efficient as possible. Priority should be given to obtaining and following up on important studies expeditiously as well as discharges.

### 3. Out-patient clinic

A) When circumstance allows, residents should attend all outpatient clinics as per the schedule of the local transplant team

B) Residents will see patients who are in longitudinal surveillance following their transplant. This experience will provide the resident with an initial exposure to the ongoing care of patients even after their transplant is performed

## II. Medical Knowledge (PGY3)

Resident fund of knowledge will be expanded through a variety means, some of which are structured and others of which require independent initiative from the residents who are rotating on the service. These include: 1) Conferences, 2) Journal Club 3) Assigned readings 4) TrueLearn quizzes

- A. Conferences: Residents are expected to attend weekly educational conferences in accordance with the schedule which is in place for the Baylor University surgical residents.
- B. Journal Club: Residents are expected to participate in journal clubs which may be occurring as part of the Baylor University general surgery residency program while they are rotating on the transplant service
- C. Assigned Readings: Residents will cover various topics related to various Core and Advanced Diseases/Conditions as part of their assigned weekly reading curriculum through the program at large. The SCORE curriculum is the chosen curriculum for the general surgery residency.
- D. Residents are expected to complete TrueLearn quizzes that are assigned by the program director or program manager in a timely manner. Areas of deficiency as defined by their performance on the TrueLearn quizzes should serve as the focus for future study plans.

## III. Practice-based Learning (PGY 3)

Residents are expected to engage in critical self-review as it relates to the cases in which they participate, whether it be in the operating room, on the wards or in the outpatient setting.

- 1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement

2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant
3. Residents shall familiarize themselves with evidence based guidelines related to disease/injury prevention, patient safety and quality (SCIP measures) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures)

#### **IV. Interpersonal and Communication Skills (PGY 3)**

The transplant rotation provides unique opportunities for residents to develop their interpersonal and communication skills, both in the context of physician to patient interactions as well as in interactions as part of the health care delivery team.

- A. Residents will be given the opportunity to observe and eventually participate in the process of delivering bad news to veterans and their families/friends. These opportunities exist in the outpatient as well as the inpatient setting and arise in the context of discussing pathology reports, diagnostic findings and prognosis
- B. Residents will also be called upon to communicate the daily plan and progress of patients admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular patient. The healthcare team will include nurses, therapists, care managers, APPs and other physicians serving as consultants
- C. Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medico-legal documentation
- D. Residents shall participate in the informed consent process for patients being scheduled for elective and emergent/urgent procedures or surgery
- E. Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs

#### **V. Professionalism (PGY 3)**

The transplant rotation offers many opportunities for residents to hone their skills as they relate to professionalism.

- A. Residents will have opportunities to learn how to be honest and sincere with patients . Examples include breaking bad news and explaining surgical complications
- B. Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the 80-hour duty restrictions

- C. Residents shall learn to maintain patient confidentiality
- D. Residents will learn the importance of accurate medical documentation
- E. Residents will be expected to adhere to the hospital's code of professional conduct as it relates to appearance and dress
- F. Residents will be expected to be punctual and prepared for all cases, clinics and conferences that they are participating in on any given day

## **VI. Systems-based practice (PGY 3)**

The transplant rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- A. Residents will learn to practice high quality cost effective, evidence based patient care. This knowledge will be gained through participation in the conferences listed above in the medical knowledge competency and include the M&M, case conferences and journal clubs (see discussion about each of these above)
- B. Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of pediatric surgery patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; eliminating or reducing catheter associated urinary infections by early removal of indwelling catheters from post-operative patients; learning best practice guidelines for reducing catheter associated infections upon central venous catheter (CVC) insertion
- C. Residents will be exposed to protocol driven practices as they related to selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion criteria, and observation of contact precautions for patients with multidrug resistant infections (among others)
- D. Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large
- E. Residents will learn about the workings of a University affiliated program outside the confines of the WVU system in an entirely different state and population center. West Virginia, in general and Morgantown in specific, is much smaller than Texas and Dallas, respectively. Therefore, the resources that are available within this setting are more robust and available than those to which residents are accustomed to dealing with during their core rotations in Morgantown.



# THORACIC SURGERY CORE GOALS AND OBJECTIVES (PGY1, 3, 4, 5)

Through rotation on the thoracic surgery service, junior residents shall attain the following goals:

## I. Patient Care (PGY 1, 3, 4, 5)

A. Preoperative Care Setting: outpatient clinic and inpatient service (primary and consultation)

Residents will evaluate and develop a plan of care for patients in the preoperative and post-operative settings. The plan shall include any intervention(s) that will successfully prepare a patient for surgery as well as facilitate their recovery from surgery.

i) The resident will perform complete and detailed history and physical examinations of patients being considered for elective as well as urgent/emergent surgery

ii) The resident will learn to obtain and interpret laboratory and radiologic tests that are appropriate for the condition being treated and/or the procedure being planned

iii) The resident will demonstrate an understanding of the principles of preoperative patient selection and optimization (comorbidities, medications, appropriate preoperative testing with specific emphasis on preoperative cardiopulmonary testing)

iv) The resident will participate in the informed consent process for patients being scheduled for elective and urgent/emergent procedures or surgeries. The informed consent process includes identifying and reviewing with the patient and/or their family the risks, benefits and alternatives of the planned intervention

B. Operative Care Setting: 5N and 2W operating suites

The following are a list of “core” operations that the resident(s) can be expected to have exposure to by the completion of their thoracic surgery rotation

- Chest tube placement and Management (PGY1, 3, 4, 5)
- Exploratory Thoractomy – Open and Thoracoscopic (PGY3, 4, 5)
- Partial Pulmonary Resection (PGY3, 4, 5)
- Pericardial Window for Drainage (PGY3, 4, 5)
- Bronchoscopy (PGY1,3, 4, 5)
- Lymph Node Biopsy (PGY1, 3, 4, 5)
- Thoracoscopy for management of hemothorax (PGY3, 4, 5)
- Esophagogastroduodenoscopy (PGY1, 3, 4, 5)
- Laryngoscopy (PGY1, 3, 4, 5)
- Feeding Jejunostomy (PGY1, 3, 4, 5)
- Antireflux Procedures (PGY3, 4, 5)

Cricopharyngeal Myotomy with Zenker's Diverticulum – excision (PGY3, 4, 5)  
 Esophageal perforation – Repair Resection (PGY4, 5)  
 Paraesophageal Hernia – Laparoscopic and Open repair (PGY3, 4, 5)  
 Venous access device – insertion (PGY1, 3, 4, 5)

The list of “advanced” operations being that residents can be expected to have exposure while on the thoracic surgery rotation:

Esophagectomy/Esophagogastrectomy (PGY4, 5)  
 Esophagomyotomy (Heller) (PGY 4,5)

C. Postoperative Care Setting: outpatient surgery center, inpatient floor, outpatient clinic **(PGY1, 3, 4, 5)**

Residents shall develop and follow through with a post-operative plan of care for the patient who has undergone surgery. This plan generally focuses on, but is not limited to: pain control; identification and treatment of common post-operative complications including bleeding, infection, sepsis, identification of discharge appropriate patients and coordination of care as they transition back to home following their surgery/procedure.

#### 1. Outpatient surgery center

- A) The resident will follow up on any and all pertinent post-operative tests, imaging studies prior to discharging a patient who has undergone an elective, same day procedure
- B) The resident will successfully choose an oral analgesic home regimen that will adequately manage a patient's pain who has undergone an elective, same day procedure
- C) The resident will successfully complete and review with the patient who has undergone an elective, same day procedure their discharge instructions. Key points will include activity restrictions, wound care/drain instructions and reconciliation of the patient's medication list
- D) The resident will successfully coordinate appropriate surgical follow up

#### 2. Inpatient floor

- A) The resident team is expected to make morning rounds on the inpatient thoracic patient list (including the consult service) prior to the start of the day's activities (OR cases, clinic). Residents are not to round on cardiac floor patients or cardiac patients in the ICU
- B) After rounds, the resident is expected to call the attending physician of record to review the plan of the day for each individual patient. Common issues to be discussed should include vital signs (including pain control), Is/Os, physical exam findings, daily labs, medication review, consultant recommendations, CXR findings, chest tube output. The daily plan will generally consist (among others) of identifying possible discharge appropriate

patients, advancement of diet, repletion of electrolyte abnormalities, adjustment of medications, drain and tube management, need for diagnostic tests to be ordered or new consults to be called

C) The resident will perform the day's work in a manner that is as efficient as possible. Priority should be given to obtaining and following up on important studies expeditiously as well as discharges.

### 3. Out-patient clinic

A) When circumstance allows, residents will see patients on whom they performed surgery for their 1<sup>st</sup> outpatient post-operative follow up visit. This will provide for continuity of care that will allow the resident to gain an understanding of the anticipated normal recovery from the various core procedures listed above as well as gain experience in identifying instances in which deviation from the norm is occurring as how such instances are approached/managed

B) Residents will see patients who are in longitudinal surveillance of their disease following their surgical intervention. This experience will provide the resident with an initial exposure to the ongoing care of patients even after their operation is performed

## II. Medical Knowledge (PGY 1, 3, 4, 5)

Resident fund of knowledge will be expanded through a variety means, some of which are structured and others of which require independent initiative from the residents who are rotating on the service. These include: 1) Conferences, 2) Journal club 3) Assigned readings 4) Truelearn quizzes

- A. Conferences: Residents are expected to attend weekly Wednesday morning morbidity and mortality conference. Complications from the thoracic service are to be presented by the resident who was involved in the case in front of a group of their peers as well as the surgical faculty at large. This conference will give residents an opportunity to think critically about specific steps in the preoperative workup, operative conduct and/or post-operative care of patients who have experienced a complication and identify opportunities for alternative decisions in similar, future cases that may lead to improved outcomes. Evidenced based practice patterns should be emphasized when applicable
- B. Journal Club: Residents are expected to participate in monthly journal clubs as part of the Wednesday morning didactic curriculum
- C. Assigned Readings: Residents will cover various topics related to various Core and Advanced Diseases/Conditions as part of their assigned weekly reading curriculum through the program at large. The SCORE curriculum is the chosen curriculum for the general surgery residency.

- D. Residents are expected to complete TrueLearn quizzes that are assigned by the program director or program manager in a timely manner. Areas of deficiency as defined by their performance on the TrueLearn quizzes should serve as the focus for future study plans.

### **III. Practice-based Learning (PGY 1, 3, 4, 5)**

Residents are expected to engage in critical self-review as it relates to the cases in which they participate, whether it be in the operating room, on the wards or in the outpatient setting.

1. Morbidity & Mortality Conference – Discussion should center on an evidence based discussion of quality improvement
2. Residents shall keep logs of their cases and track their operative proficiency as gauged by whether they assisted or were the surgeon junior or senior or teaching assistant
3. Residents shall distribute operative cards to attendings with whom they have performed cases so that they can be filled out and placed into said resident's Clinical Competency Committee (CCC) folder
4. Residents shall review their specific Quality in Training Initiative (QITI) data quarterly
5. Residents shall familiarize themselves with evidence based guidelines related to disease/injury prevention, patient safety and quality (SCIP measures) as well as hospital specific matters related to safety and quality (NSQIP data, QITI data, pharmacy formularies for hospital acquired infections, isolation precaution measures)

### **IV. Interpersonal and Communication Skills (PGY1, 3, 4, 5)**

The thoracic service provides unique opportunities for residents to develop their interpersonal and communication skills, both in the context of physician to patient interactions as well as in interactions as part of the health care delivery team.

- A. Residents will be given the opportunity to observe and eventually participate in the process of delivering bad news to patients and their families/friends. These opportunities exist in the outpatient as well as the inpatient setting and arise in the context of discussing pathology reports, diagnostic findings and prognosis
- B. Residents will also be called upon to communicate the daily plan and progress of veterans admitted to the hospital to patients, their family and the entire healthcare team involved in the care of that particular patient. The healthcare team will include nurses, therapists, care managers, APPs and other physicians serving as consultants

- C. Residents shall learn to document their practice activities in such a manner that is clear, concise and in accordance with the standards of medico-legal documentation
- D. Residents shall participate in the informed consent process for patients being scheduled for elective and emergent/urgent procedures or surgery
- E. Residents shall learn to give and receive detailed sign-out to facilitate continuity of care during handoffs

## **V. Professionalism (PGY 1, 3, 4, 5)**

The thoracic rotation offers many opportunities for residents to hone their skills as they relate to professionalism.

- A. Residents will have opportunities to learn how to be honest and sincere with patients. Examples include breaking bad news and explaining surgical complications
- B. Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the 80-hour duty restrictions
- C. Residents shall learn to maintain patient confidentiality
- D. Residents will learn the importance of accurate medical documentation
- E. Residents will be expected to adhere to the hospital's code of professional conduct as it relates to appearance and dress
- F. Residents will be expected to be punctual and prepared for all cases, clinics and conferences that they are participating in on any given day

## **VI. Systems-based practice (PGY 1, 3, 4, 5)**

The thoracic rotation provides residents with inpatient and outpatient opportunities to grow within the systems based practice core competency.

- A. Residents will learn to practice high quality cost effective, evidence based patient care. This knowledge will be gained through participation in the conferences listed above in the medical knowledge competency and include the M&M, case conferences and journal clubs (see discussion about each of these above)
- B. Residents will be educated about and held accountable for compliance with the surgical care improvement project (SCIP) standards as they relate to the perioperative care of thoracic surgery patients and include but are not limited to reducing surgical site infection(s) through the appropriate use and choice of perioperative antibiotics; eliminating or reducing catheter associated urinary infections by early removal of indwelling catheters from post-operative patients; learning best practice

guidelines for reducing catheter associated infections upon central venous catheter (CVC) insertion

- C. Residents will be exposed to protocol driven practices as they related to selection of antibiotics for hospital acquired infections based on institution specific resistance patterns, blood transfusion criteria, and observation of contact precautions for patients with multidrug resistant infections (among others)
- D. Residents will be educated about the National Surgical Quality Improvement Project (NSQIP) measures and outcomes and how they relate to the changing landscape of reimbursement patterns for individual providers and hospital systems at large

## SICU GOALS AND OBJECTIVES

Through rotation on the Surgical Intensive Care Service, residents shall attain the following goals:

PGY 1	PGY 2,3
<b>Patient Care</b>	
To be able to admit a patient to the ICU, evaluate current issues and past medical history, establish and execute a plan of care for the patient and current issues	
To be able to identify and implement different resuscitation strategies based on the physiology of the patient	To be able to identify, implement, evaluate, and modify different resuscitation strategies based on the physiology of the patient
To be able to evaluate the poly-trauma patient	To be able to evaluate the poly-trauma patient and prioritize and coordinate interventions
To be able to evaluate the acute neurosurgical patient	To be able to evaluate the neurosurgical patient and institute appropriate care, for example traumatic brain injury, cerebral aneurysm, and acute neurologic decompensation
To be able place a Swan-Ganz catheter	To be able to identify the indications for, place, and interpret a Swan-Ganz catheter
To be able to place arterial catheters	To be able to identify the indications for, place, and interpret arterial catheters
To be able to place central venous catheters	To be able to identify the indications for, place, and interpret central venous catheters

PGY 1	PGY 2,3
<b>Medical Knowledge</b>	
To be able to define shock and give examples of each kind	To know the treatment options for the various kinds of shock
To understand fluid resuscitation and ability to evaluate the response to therapy	To know the appropriate fluid for the appropriate situation
To be able to name the vasopressors and inotropes and to know indications, dose, effects, and adverse effects of each	
To know the risks and benefits of the Swan-Ganz catheter, arterial catheter, and central venous catheter	
To understand indications, time course, and adverse effects of the most commonly used antibiotic	
To understand the basic modes of mechanical ventilation	To understand PEEP, pressure modes of ventilation, and be able to name some of the newer complex modes
	To be able to identify and manage acute

	respiratory failure, including non-invasive and invasive ventilation
To be able to define ARDS	To be able to define ARDS and adjust ventilator strategies due to the changes with ARDS
To be able to define and identify acute renal failure	To be able to define and identify acute renal failure, identify possible etiologies; identify various types of renal failure and initiate appropriate therapy
To understand the coagulation cascade and treat abnormalities of it	
To understand indications, risks, benefits, and alternatives to blood transfusion	
	To understand the difference between systolic and diastolic heart failure and be able to institute acute interventions for each
	Understand the placement and management of ICP monitors
	To be able to establish and adjust a patient's nutrition plan including TPN or enteral feeds and understand and utilize nutritional parameters including metabolic cart
	To understand the risk factors, testing and treatment for acute adrenal insufficiency
	To understand diagnosis, work up and treatment of acute hepatic insufficiency/failure

PGY 1	PGY 2,3
<b>Practice-based Learning</b>	
Morbidity & Mortality Conference – Residents are expected to critique their performance and their personal practice outcomes and discussion should center on an evidence-based discussion of complications and their avoidance	Keep of log of patients for the M&M conference and distribute to the junior/intern residents
To be able to evaluate complications, causes and outcomes by participating in ICU Morbidity Conference	
Residents shall keep logs of their cases and track their operative proficiency	

PGY 1	PGY 2,3
<b>Interpersonal and Communication Skills</b>	
Residents shall learn to work effectively as part of the ICU team	
Residents shall foster an atmosphere that promotes the effectiveness of each member of the ICU team	
Residents shall interact with colleagues and members of the multi-disciplinary ICU team, such as pharmacists, dieticians, respiratory therapists, etc in a professional and respectful manner	
Residents shall learn to document their practice activities in such a manner that is clear and concise	
To be able to effectively and compassionately discuss the daily plan of care for each patient to the patient and family	
To participate in end of life family discussion	To provide counsel in end of life family discussions
	To effectively communicate with medical students and junior residents to contribute to the teaching environment
	To be the resident leader of the service responsible for resident hours/call schedule and a back up to the interns/juniors

PGY 1	PGY 2,3
<b>Professionalism</b>	
Residents shall maintain high ethical standards in dealing with patients, family members, patient data, and other members of the healthcare team	
Residents shall display the highest levels of professionalism through verbal and non-verbal and all behavior	
Residents shall demonstrate sensitivity to age, gender, and culture of patients and other members of the healthcare team	

Residents shall demonstrate a commitment to the continuity of care of a patient within the confines of the duty-hour restrictions
Completed the Assigned on-line ICU Curriculum in a timely manner
Acceptable attendance at Assigned Educational Activities

PGY 1	PGY 2,3
<b>Systems-based practice</b>	
Attend Conferences SICU M&M	
To demonstrate knowledge of risk-benefit analysis of a health care plan that provides high quality, cost effective patient care	
To recognize and understand the role of other health care professionals in the overall care of the patient	
Residents shall demonstrate proficiency in the Handoff process to ensure seamless patient care	
Follow the protocols outlined in the SICU and Trauma Handbooks	
Turn in the completed signature sheet at the end of the month	



## **RESIDENT SALARY 2016-2017**

**PGY 1 - \$54022.00**

**PGY 2 - \$55523.00**

**PGY 3 - \$57023.00**

**PGY 4 - \$58463.00**

**PGY 5 - \$59913.00**

## **POLICIES/GME/Human Resource Information**

### **ACADEMIC DISCIPLINE AND DISMISSAL POLICY**

The Department of Surgery programs (General Surgery and Urology) will follow the WVU School of Medicine GME and ACGME policy on academic discipline and dismissal. This policy is derived from the SOM/GME by-laws which can be found at [www.hsc.wvu.edu/som/gme](http://www.hsc.wvu.edu/som/gme).

The Department of Surgery may take corrective or disciplinary action including dismissal for cause, including but not limited to the following circumstances:

- Unsatisfactory academic or clinical performance
- Failure to comply with the policies, rules, and regulations of the SOM/GME by-laws House Officer Program, University or other facilities where the House Officer is trained
- Revocation or suspension of license
- Violation of federal and/or state laws, regulations, or ordinances
- Acts of moral turpitude
- Insubordination
- Conduct that is detrimental to patient care
- Unprofessional conduct.

Corrective or disciplinary actions may include but not limited to:

- Issue a warning or reprimand
- Impose terms of remediation or a requirement for additional training, consultation or treatment
- Institute, continue, or modify an existing summary suspension of a House Officer's appointment

Terminate, limit or suspend a House Officer's appointment or privileges

- Non-renewal of a House Officer's appointment

Dismiss a House Officer from the House Officer Program; or

- Any other action that the House Officer Program deems is appropriate under the circumstances.

#### **A. Level I Intervention:**

Oral and/or Written counseling or other Adverse Action:

Minor academic deficiencies that may be corrected at Level I include: unsatisfactory academic or clinical performance or failure to comply with the policies, rules, and regulations of the SOM/GME by-laws House Officer Program or University or other facilities where the House Officer is trained. Corrective action for minor academic deficiencies or disciplinary offenses, which do not warrant probation with remediation as defined in the Level II intervention, shall be determined and administered by each Department. Corrective action may include oral or written counseling or any other action deemed appropriate by the Department under the circumstances. Corrective actions for such minor academic deficiencies and/or offenses are not subject to appeal.

## **B. Level II Intervention:**

### **Probation/Remediation Plan or other Adverse Action:**

Serious academic or professional deficiencies may lead to placement of a House Officer on probation. An academic or professionalism deficiency that is not successfully addressed while on probation, may lead to non-reappointment or other disciplinary action. The Program Director shall notify the House Officer in writing that they have been placed on probation and the length of probation. A corrective and/or disciplinary plan will be developed that outlines the terms and duration of probation **and** the deficiencies for which probation was implemented. Failure of the House Officer to comply with the terms of the plan may result in termination or non-renewal of the House Officer's appointment.

## **C. Level III intervention:**

### **Dismissal and/or Non-reappointment:**

Any of the following may be cause for dismissal or non-reappointment including failure to comply or address the deficiencies within the corrective and disciplinary plan as outlined in the Level II intervention:

- A. Demonstrated incompetence or dishonesty in the performance of professional duties, including but not limited to research misconduct.
- B. Conduct which directly and substantially impairs the individual's fulfillment of institutional responsibilities, including but not limited verified instances of sexual harassment, or of racial, gender-related, or other discriminatory practices.
- C. Insubordination by refusal to abide by legitimate reasonable directions of administrators or of the WVU Board of Governors.
- D. Physical or mental disability for which no reasonable accommodation can be made, and which makes the resident unable, within a reasonable degree of medical certainty and by reasonably determined medical opinion, to perform assigned duties.
- E. Substantial and manifest neglect of duty.
- F. Failure to return at the end of a leave of absence.
- G. Failure to comply with all policies of WVU Hospitals, Inc.

A House Officer, who is dissatisfied with a Level II or Level III intervention, may appeal that decision by following the Academic Grievance Policy and Procedure in Section XI of GME Bylaws.

## **ACADEMIC GREIVANCE POLICY AND PROCEDURE**

**Purpose.** The purpose of this policy is to provide a mechanism for resolving disagreements, disputes and complaints, which may arise between postgraduate residents and fellows and their Program Director or other faculty member. The Department of Surgery abides by this Policy, which was derived from the WVU/GME website by-laws at [www.hsc.wvu.edu/som/gme](http://www.hsc.wvu.edu/som/gme).

**Policy.** Postgraduate residents or fellows may appeal disagreements, disputes, or conflicts with the decisions and recommendations of their program regarding academic related issues using the procedure outlined in this section. This grievance procedure does not cover issues arising out of (1) termination of a resident/fellow during an annual contract period; (2) alleged discrimination; (3) sexual harassment; (4) salary or benefit issues. These grievances are covered under the employment grievance procedures for employees of West Virginia University as outlined in section XXV of these bylaws.

### Definitions

Grievance: any unresolved disagreement, dispute or complaint a resident or fellow has with the academic policies or procedures of the Residency Training Program or any unresolved dispute or complaint with his or her Program Director or other faculty member. These include but are not limited to issues of suspension, probation, retention at current level of training, and refusal to issue a certificate of completion of training.

### Procedure

#### A. Level I Resolution

A good faith effort will be made by an aggrieved resident/fellow and the Program Director to resolve a grievance, which will begin with the aggrieved resident/fellow notifying the Program Director, in writing, of the grievance within 10 working days of the date of receipt of the dispute or complaint. This notification should include all pertinent information and evidence that supports the grievance. Within ten (10) working days after notice of the grievance is received by the Program Director, the resident/fellow and the Program Director will set a mutually convenient time to discuss the complaint and attempt to reach a solution. Step I of the grievance procedure will be deemed complete when the Program Director informs the aggrieved resident/fellow in writing of the final decision. This should occur within 5 working days after the meeting between the resident/fellow and Program Director. A copy of the Program Director's final decision will be sent to the Department Chair and to the Designated Institutional Official for GME (DIO).

#### B. Level 2 Resolution

If the Program Director's final written decision is not acceptable to the aggrieved resident/fellow, the resident/fellow may choose to proceed to a Level 2 resolution, which will begin with the aggrieved resident/fellow notifying the Department Chairman of the grievance in writing. Such notification must occur within 10 working days of receipt of the Program Director's final decision. If the Department Chairman is also functioning as the Program Director, then the Level 2 resolution will be handled by the DIO. If the aggrieved resident is a Transitional Year resident, then the DIO will appoint a Department Chairman to handle the Level 2 grievance. This resident's notification should include all pertinent information, including a copy of the Program Director's final written decision, and evidence that supports the grievance. Within ten (10) working days of receipt of the grievance, the resident/fellow and the Department Chairman or DIO will set a mutually convenient time to discuss the complaint and attempt to reach a solution. Level II of this grievance procedure will be deemed complete when the Department Chairman (or DIO) informs the aggrieved resident/fellow in writing of the final decision. This should occur within 5 working days of the meeting with the resident/fellow and the Chairman. Copies of this

decision will be kept on file with the Program Director, in the Chairman's office and sent to the DIO.

### C. Level 3 Resolution

If the resident/fellow disagrees with the Department Chairman's final decision, he or she may pursue a Level 3 resolution of the grievance. The aggrieved resident/fellow must initiate this process by presenting their grievance, in writing, along with copies of the final written decisions from the Program Director and Department Chairman, and any other pertinent information, to the office of the Graduate Medical Education within 5 working days of receipt of the Department Chairman's final written decision. Failure to submit the grievance in the 5 working day time frame will result in the resident/fellow waiving his or her right to proceed further with this procedure. In this situation, the decision at Level II will be final. Upon timely receipt of the written grievance, the DIO will appoint a Grievance Committee and will contact the aggrieved resident/fellow to set a mutually convenient time to meet with them. The Grievance Committee will review and carefully consider all material presented by the resident/fellow and his or her Program Director or the grievable party at the scheduled meeting, following the protocol outlined in Section E. The Grievance Committee will provide the aggrieved resident/fellow with a written decision within five working days of the meeting and a copy will be placed on file in the Office of Graduate Medical Education, and with the Program Director and Department Chair.

The decision of the Grievance Committee will be final.

### D. The Grievance Committee

Upon request for a formal resolution at Level III, the DIO will form a Grievance Committee composed of at least two residents, and three Program Directors. No members of this committee will be from the aggrieved resident's/fellow's own department. The DIO will choose a faculty member appointed to the Grievance Committee to be the chair of the committee. The Grievance Committee hearing should occur within 20 working days from receipt of the Level III grievance.

### E. Grievance Committee Procedure

1. Attendance: All committee members should be present throughout the hearing. The aggrieved resident/fellow must personally appear at the Grievance Committee meeting.
2. Conduct of Hearing: The chair will preside over the hearing, determine procedure, assure there is reasonable opportunity to present relevant oral or written information, and maintain decorum. The Chair will determine if information is relevant to the hearing and should be presented or excluded. The aggrieved Resident may present any relevant information or testimony from any colleague or faculty member. The Resident is NOT entitled to legal representation during the grievance committee hearing. The Program Director and Department Chair may be requested by the Committee to also be present for oral testimony. The committee chair is authorized to exclude or remove any person who is determined to be disruptive.
3. Recesses and Adjournment: The committee chair may recess and reconvene the hearing by invoking the right for executive session. Upon conclusion of the presentation of oral and written information, the hearing record is closed. The Grievance Committee will deliberate in executive session outside the presence of the involved parties.
4. Decisions: Decisions are to be determined by vote of a majority of members of the Committee and are final. After deliberation, the Chair will prepare a written decision to be reviewed and signed by all of the Committee members. The aggrieved resident/ fellow should be notified within 5 working days of the hearing.
5. Meeting Record: A secretary/transcriptionist may be present for the purpose of recording the meeting minutes. Minutes and the final written decision of the Committee will be

placed on file in the Office GME, and by the Department in the resident or fellow's academic file.

#### F. Confidentiality

All participants in the grievance are expected to maintain confidentiality of the grievance process by not discussing the matter under review with any third party except as may be required for purposes of the grievance procedures.

#### **Conditions for Reappointment:**

1. Promotion: Decisions regarding resident promotion are based on criteria listed above, and whether resident has met all departmental requirements. The USMLE is to be used as a measure of proficiency. Passage of the USMLE, step 3 is a requirement for advancement for the 3rd year of residency as indicated in Section VII. Resident Doctor Licensure Requirement.
2. Intent Not to Renew Contract: In the event that WVU School of Medicine elects not to reappoint a resident to the program and the agreement is not renewed, WVU shall provide the resident with a four (4) month advance written notice of its determination of non-reappointment unless the termination is "for cause."

## **BACK-UP CHIEF POLICY**

### Background:

The Jon Michael Moore TRAUMA Center is an ACS verified Level 1 Trauma Center. In being so, there are several standards that are required to maintain that designation. The JMMTC operates on a tiered trauma response system. Trauma victims deemed to require major resuscitation are designated as Priority One (P1) traumas and require the in-house presence of an attending surgeon. Those that fall into the second tier of response are designated Priority Two (P2) patients. P2 patients require the presence of the PGY 4/5 chief resident on arrival. Therefore the following policy regarding this matter has been established:

1. This policy applies to weekdays from 6:00pm to 6:00am and weekends/holidays 6:00am-6:00am.
2. There will be a chief resident (PGY 4 or 5) in house at all times.
3. There will be a published back-up chief call schedule.
4. All off hour cases will be performed by the appropriate level resident. When possible, the PGY-3 resident will also scrub on all senior level cases with the Chief resident.
5. When the in-house chief is required to go to the OR during off hours a discussion will be held with the operating attending prior to beginning the case. Should it be deemed that the case is of such a critical nature that the chief resident's absence would be a detriment to the patient; the back-up chief will be called in from home. If the back-up chief happens to be of the same service as the operating attending, that chief has first option to perform the case to maintain continuity of care. Otherwise, it will be at the in-house chief's purgative to perform the case or pass it to the back-up chief.

Otherwise, when the in-house chief goes to the OR and a P2 Trauma is paged, the PGY-2/3 resident will immediately report to the OR to relieve the chief resident. The chief will break scrub and report to the trauma. After an assessment is made and plan established, the chief will return to the OR and the PGY-2/3 resident will take over directing the trauma resuscitation.

The back-up chief will also be available to come in from home at the request of the in-house chief should it be felt that additional chief support is necessary.

*Revised 5/2009*

Adapted from U. Conn Surgery Residency Manual- Resident Documentation Requirements 9/2008  
Revised 5/2009

## **CASE LOG POLICY**

It is the responsibility of each resident to keep their logs up to date. All cases are logged into the ACGME website. Please see Linda Shaffer if you have forgotten your password or have questions regarding this site.

Operative logs are monitored each month by the program director and Program Education Committee (PEC). If cases are not logged and kept current, the resident will be placed on Administrative leave (please refer to the Department Discipline Policy). Surgical case logs must be completed and available for the entire program upon graduation. No certifications will be issued until all case logs are completed and the final surgical record signed.

It is mandatory that cases be logged throughout the continuum of the resident's surgical training. It is *not* acceptable to log the minimal number of required cases and stop recording cases.

Cases done at the VA Hospital **MUST** be logged in while at the VA. Arrangements cannot be made to retrieve cases after you have completed your rotation and turned in your security codes. **NO** VA patient data will be removed from the VA Hospital premises.

The ACGME requires case logs to be submitted by preliminary residents as well.

## **ACGME CASE LOG DIRECTIONS**

The Resident Case Log System for General Surgery Operative Logs (GSOL) is an internet based case log system utilizing CPT codes to track resident experience. The Residency Review Committee (RRC) has indexed these codes into categories for evaluation. This program was designed to allow residents to enter procedures on a regular basis at their convenience. Entry can be done from any PC connected to the World Wide Web at any time 24 hours a day.

1. Go to the [www.acgme.org](http://www.acgme.org) homepage. Review the Case Log System Resident User Guide Select. The Resident Case Log System Screen will have updated information on instructions to obtain a user ID. User's manuals and listing of all available CPT codes are also available.
2. Once you receive an email from the ACGME with a User ID, enter the User ID and Password and click on the "Login" button.
3. You may change your password at any time after the initial first time log in. If you would forget your password you may contact the ACGME by clicking forgot password or reset a new password.
4. Take a few moments to review the welcome page and the manual. Depending on the level of user access allowed certain heading tabs may not be available.

If you need additional information or help please contact Linda Shaffer at 293-1254.



# **CODE OF PROFESSIONALISM**

The West Virginia University School of Medicine embraces the following Code of Professionalism amongst all students, residents, faculty, and staff. This Code provides the foundation for proper lifelong professional behavior. It is the expectation that this behavior will be consistently maintained at its highest level both inside and outside of the professional training environment. This is one of the core ACGME competencies.

The nine primary areas of professionalism are defined as:

- Honesty and Integrity
- Accountability
- Responsibility
- Respectful and Nonjudgmental Behavior
- Compassion and Empathy
- Maturity
- Skillful Communication
- Confidentiality and Privacy in all patient affairs
- Self-directed learning and appraisal skills

## **Honesty and Integrity**

- Honesty in action and in words, with self and with others
- Does not lie, cheat, or steal
- Adheres sincerely to school values (love, respect, humility, creativity, faith, courage, integrity, trust)
- Avoids misrepresenting one's self or knowledge
- Admits mistakes

## **Accountability**

- Reports to duty/class punctually and well prepared
- Keeps appointments
- Is receptive of constructive evaluations (by self and others)
- Completes all tasks on time
- Follows up on communications

## **Responsibility**

- Reliable, trustworthy, and caring to all
- Prompt, prepared, and organized
- Takes ownership of assigned implicit and explicit assignments
- Seriously and diligently works toward assigned goals/tasks
- Wears appropriate protective clothing, gear as needed in patient care

## **Respectful and Nonjudgmental Behavior**

- Consistently courteous and civil to all
- Tolerates diversity in culture, country of origin, gender, sexual orientation, religious preference, political views, age, ethnicity, and race

- Works positively to correct misunderstandings
- Listens before acting
- Considers others' feelings, background, and perspective
- Realizes the value and limitations of one's own beliefs, and perspectives
- Strives not to make assumptions

### **Compassion and Empathy**

- Respects and is aware of others' feelings
- Attempts to understand others' feelings
- Demonstrates mindfulness and self-reflection

### **Maturity**

- Exhibits personal growth
- Recognizes and corrects mistakes
- Shows appropriate restraint
- Tries to improve oneself
- Has the capacity to put others ahead of self
- Manages relationships and conflicts well
- Maintains personal and professional balance and boundaries
- Willfully displays professional behavior
- Makes sound decisions
- Manages time well
- Able to see the big picture
- Seeks feedback and modifies behavior accordingly
- Maintains publicly appropriate dress and appearance

### **Skillful Communication**

- Effectively uses verbal, non-verbal, and written communication skills that are appropriate to the culture/setting
- Writes and speaks with clarity at a comprehensible level
- Seeks feedback that the information provided is understood
- Speaks clearly in a manner understood by all
- Provides clear and legible written communications
- Gives and receives constructive feedback
- Wears appropriate dress for the occasion
- Enhances conflict management skills

### **Confidentiality and Privacy in all patient affairs**

- Maintains information in an appropriate manner
- Acts in accordance with known guidelines, policies, and regulations
- Seeks and reveals patient information only when necessary and appropriate

### **Self-directed learning and appraisal skills**

- Demonstrates the commitment and ability to be a lifelong learner
- Accomplishes tasks without unnecessary assistance and continues to work and value the team

- Completes academic and clinical work in a timely manner
- Is honest in self-evaluation of behavior, performance, skills, knowledge, strengths, weaknesses, and limitations, and suggests opportunities for improvement
- Is open to change
- Completes in-depth and balanced, self-evaluations on a periodic basis

## CONFERENCE, ATTENDANCE & CURRICULUM

ACGME - II.A.4. The program director must administer and maintain an educational environment conducive to educating the residents in each of the ACGME competency areas. (Core) The program director must:

II.A.4.a) oversee and ensure the quality of didactic and clinical education in all sites that participate in the program;

The program director along with the faculty, will be responsible for the preparation and implementation of a comprehensive, effective, and well-organized educational curriculum; (Core)

II.A.4.t) ensure that conferences be scheduled to permit resident attendance on a regular basis, and resident time must be protected from interruption by routine clinical duties. Documentation of attendance by 75% of residents at the core conferences must be achieved; (Detail)

\*All surgical residents are required to attend conference each week to include VA MDTV, exceptions are: vacation, post call or approval from the program director to scrub in on a case that is deemed necessary for the resident to have required experience.

II.A.4.u) ensure that the following types of conferences exist within a program:

II.A.4.u).(1) a course or a structured series of lectures that ensures education in the basic and clinical sciences fundamental to surgery, including technological advances that relate to surgery and the care of patients with surgical diseases, as well as education in critical thinking, design of experiments and evaluation of data; (Detail)

II.A.4.u).(2) regular organized clinical teaching, such as grand rounds, ward rounds, and clinical conferences; (Detail)

II.A.4.u).(3) a weekly morbidity and mortality or quality improvement conference. (Core)

\*Attendance is taken for all conferences each week by paper method and transferred into the e-value program

### 2016/2016 Conference/Curriculum Schedule

	7:00-8:00	8:00-9:00	9:00-10:00	10:00-11:00
<b>July 6</b>	M & M	TrueLearn 50 QUESTION PRACTICE TEST	TWIS - Preop Evaluation Part 1/2 PETERSEN/BAILEY	INDEPENDENT STUDY TIME
13	M & M	THOMAY MOCK ORALS: BAILEY, COOPER, RODDENBERRY	TWIS - Preop Evaluation Part 2/2 THOMAY/COOPER	Jan 2015 JOURNAL CLUB THOMAY/COOPER
20	M & M	SIM LAB FES MODULES 2-3 "NAVIGATION"	TWIS - Fluid and Electrolytes CON/RODDENBERRY	INDEPENDENT STUDY TIME
27	M & M	GR (BAILEY)	TWIS - Benign Biliary Part 1/2 CARDINAL/PALMER	RESIDENT MEETING
<b>Aug 3</b>	M & M	CARDINAL MOCK ORALS: AIRHART, PALMER, ZMIJEWSKI	TWIS - Benign Biliary Part 2/2 CARDINAL/ZMIJEWSKI	INDEPENDENT STUDY TIME
10	M & M	TrueLearn 50 QUESTION PRACTICE TEST	TWIS - Inguinal /Femoral Hernia BORGSTROM/AIRHART	RESIDENT MEETING
17	M & M	SIM LAB FES MODULES 4-6 "LOOP REDUCTION"	TWIS - Wound Healing - DUMASIU/ROBENSTINE	INDEPENDENT STUDY TIME
24	M & M	Feb 2015 JOURNAL CLUB CARDINAL/AIRHART	TWIS - Liver including benign neoplasms CARDINAL/LYLE	INDEPENDENT STUDY TIME
31	M & M	GR (COOPER)	TWIS - Pancreas tumors and resection THOMAY/WARNER	INDEPENDENT STUDY TIME

<b>Sept 7</b>	M & M	BORGSTROM MOCK ORALS: ROBENSTINE, LYLE, WARNER	TWIS - Spleen - BORGSTROM/KELLY	APRIL 2015 JOURNAL CLUB BORGSTROM/KELLY
14	M & M	TrueLearn 50 QUESTION PRACTICE TEST	Esophagus Part 1/3 ODUNTAN/ROKOSZ	INDEPENDENT STUDY TIME
21	M & M	MURRAY LECTURE Dr. Thomas Gleason " Bicuspid Valve Associated- Aortopathy: A Career-long Translational Pursuit"	Resident Case Presentations (RODDENBERRY, BAILEY, AIRHART)	RESIDENT MEETING
28	M & M	MUCHA LECTURE Dr. Demetrios Demetriades "TBD"	Resident Case Presentations (WARNER, PALMER, ZMIJEWSKI)	INDEPENDENT STUDY TIME
<b>Oct 5</b>	M & M	SIM LAB FES MODULES 7-8 "Targeting"	TWIS - Peptic Ulcer and Gastric Neoplasm (TABONE/AHMAD)	INDEPENDENT STUDY TIME
12	M & M	TrueLearn 50 QUESTION PRACTICE TEST	TWIS - Small Intestine Obstruction (GRAVES/ZELL)	RESIDENT MEETING
19	M & M	CARDINAL MOCK ORALS: RODDENBERRY, BAILEY, COOPER	TrueLearn 50 QUESTION PRACTICE TEST	INDEPENDENT STUDY TIME
26	M & M	SIM LAB FES MODULES 9-11 "Mucosal Evaluation"	TWIS Esophagus part 2/3 (THOMAY/LEUNG)	MARCH 2015 JOURNAL CLUB KNIGHT/ZMIJEWSKI
<b>Nov 2</b>	M & M	SIM LAB FES MODULES 12- 13 "Retroflexion"	TWIS - Colon Cancer JREBI/WARNER	JUNE 2015 JOURNAL CLUB JREBI/WARNER
9	M & M	TrueLearn 50 QUESTION PRACTICE TEST	TWIS - Anorectal Inflammatory Conditions (CASSIM/COLEMAN)	INDEPENDENT STUDY TIME
16	M & M	AGARWAL MOCK ORALS: PALMER, AIRHART, ROBENSTINE	TWIS - Anorectal Neoplasms (AGARWAL/GARZA)	INDEPENDENT STUDY TIME
23	TRUE LEARN MOCK ABSITE (ALL RESIDENTS) – LC3			
30	M & M	GR (RODDENBERRY)	TWIS - Benign Breast Conditions (HAZARD/MUSGROVE)	RESIDENT MEETING
<b>Dec 7</b>	M & M	SIM LAB ACUTE ON CALL SCENARIOS (CON)	TWIS - Adrenal LOPINTO/BAILEY	JULY 2015 JOURNAL CLUB LOPINTO/BAILEY
14	M & M	TrueLearn 50 QUESTION PRACTICE TEST	TWIS - Systems Based Practice Part 1/4 (SCHAEFER/RODDENBERRY)	INDEPENDENT STUDY TIME
21	M & M	THOMAY MOCK ORALS: KELLY, WARNER, LEUNG	TWIS - Soft Tissue Neoplasm (THOMAY/WARNER)	RESIDENT MEETING
28	NO CONFERENCE DUE TO HOLIDAY			

## CONFLICT OF INTEREST DISCLAIMER

I am aware that this educational resource been provided to the West Virginia University Department of Surgery, by support from an outside source/industry. I also understand that I have no obligation to use, buy or promote any products from this company. I have no personal, financial or professional responsibility to this company by accepting this gift.

GIFT: \_\_\_\_\_

INDUSTRY/COMPANY: \_\_\_\_\_

DATE: \_\_\_\_\_

NAME(print): \_\_\_\_\_

NAME(signature): \_\_\_\_\_

EDUCATIONAL RATIONAL: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PROGRAM DIRECTOR: \_\_\_\_\_

DATE: \_\_\_\_\_

## **CRITERIA FOR APPOINTMENT/ELIGIBILITY AND selection of candidates**

For Graduate Medical Education at the West Virginia University School of Medicine:

The primary source of candidates for entry into graduate medical education programs will be graduates of Liaison Committee for Medical Education (LCME)-accredited medical schools. All programs participate

in an organized matching program. **WVU School of Medicine only accepts J-1 Visa Status for Resident Physician positions.** In addition, to be eligible for consideration a candidate must be a:

- A. Graduate of a medical school in the United States and Canada accredited by the Liaison Committee on Medical Education (LCME).
- B. Graduate of a college of osteopathic medicine in the United States accredited by the American Osteopathic Association (AOA).
- C. Graduate of a medical school outside the United States and Canada who meet at least one of the following qualifications:
  - a. Have received a currently valid certification from the Educational Commission for Foreign Medical Graduates (ECFMG) or
  - b. Have a full and unrestricted license to practice medicine in a U.S. licensing jurisdiction.
- D. Graduate of medical school outside the United States who has completed a Fifth Pathway program provided by an LCME-accredited medical school. A Fifth Pathway program is an academic year of supervised clinical education provided by an LCME-accredited medical school to students who
  - a. Have completed, in an accredited U.S. college or university, undergraduate premedical education of the quality acceptable for matriculation in an accredited United States medical school;
  - b. Have studied at a medical school outside the United States and Canada but listed in the World Health Directory of Medical schools;
  - c. Have completed all of the formal requirements of the foreign medical school except internship and/or social service;
  - d. Have attained a score satisfactory to the sponsoring medical school on a screening examination; and
  - e. Have passed either the Foreign Medical Graduated Examination in the Medical Sciences, Parts I and II of the examination of the National Board of Medical Examiners, or Steps 1 and 2 of the United States Medical Licensing Examination (USMLE).
- E. Candidates must meet all federal standards as may be required by Centers for Medicare & Medicaid Services (CMS) or other federal and state regulatory agencies. Applicants that are designated by CMS as "excluded providers" shall not be eligible to appointment as a resident

Residents selected outside the normal matching process, whether that is through the match 'scramble' or during the 'off-cycle' must be reviewed and approved by the Designated Institutional Official (DIO).

Program directors should base their selection on the eligible candidate's ability, aptitude, and preparedness as evidenced by their academic credentials including but not limited to class rank, course evaluations, and standardized licensure qualifying examination scores, communication skill both written and verbal, and letters of recommendation from faculty and the Dean of their school verifying their ability, aptitude, and preparedness as well as their motivation and integrity. There must not be any discrimination in the selection process with regard to gender, race, age, religious affiliation, color, national origin, disability or veteran status.

Approved by GMEC Taskforce 5/1/08 ACGME Institutional Requirements Approved by GMEC 5/9/08

## ***DISCIPLINE POLICY – DEPT. OF SURGERY***

Administrative responsibilities including accurate and timely documentation are vital to the practice of medicine. Not only in regards to patient care but also in the maintenance of the Surgery Residency Program. Throughout the surgery residency there are numerous administrative tasks in addition to documentation that must be completed. Failure to do so violates the essence of Professionalism, one of the six core competencies. These tasks include: 1) weekly recording of duty hours, 2) monthly updates of Operative Logs, 3) yearly CBL's, 4) reporting for semi-annual evaluation with the program director, 5) completion of USMLE Step III, 6) Employee Health requirements 7) completion of assigned ABSITE topic summaries, 8) fulfilling research requirements, 9) completion of SCORE/TrueLearn assignments and 10) completing dictations within the allotted time frame.

### **Consequences:**

A series of administrative steps have been approved by the Program Education Committee to correct non-compliance. Residents will be reminded 10 days before the end of the month in an email containing a list of tasks to be completed by the end of the month. On the first of the month, if the required administrative tasks are not completed, the resident will be notified by the Residency Administration that his/her meal card has been turned off. The meal card will remain off the number of days it took to complete the deficiencies. If the deficiencies persist by the 15<sup>th</sup> of the month the resident will be placed on administrative leave (see below) until the delinquencies are corrected.

### **Administrative Leave:**

When a resident is on administrative leave, residents will relinquish all operative assignments during the day but will fulfill all other floor care, clinic assignments and all other non-OR responsibilities. The time freed up from the operative theater will be used to complete the delinquencies. These residents will take call (night time and weekends) as assigned. In addition, if a resident has been placed on administrative leave for a third time in a single year, each day on administrative leave will consume one day of vacation time allotted. If a resident has no vacation remaining or exceeds the number of days remaining, days will be subtracted from the following year's allotment. Upon completion of the missing documentation, the resident will contact the Residency Program Administrator. Upon verification by the Residency Program Administrator that all documentation requirements have been completed, the resident may return to full clinical status. If vacation days were required, this will be communicated to the Program Director and a note placed into the residents file. Residents accruing three Administrative leaves in any one PGY year or five during their residency, will proceed to the next step.

### **Academic Probation:**

Academic probation is a residency specific disciplinary action, which is not reportable or appealable. It does not become part of the permanent record. Academic probation will last for a period of three months during which the resident must comply with all Surgery, WVU School of Medicine, ACGME and RRC policies. If the resident violates any policy, s/he may be placed on Probation (see below).

Academic probation also applies to those who have failed to complete documentation while on administrative leave, those who have accrued more than three administrative leaves in a single year, more than five cumulatively in five years or have used all vacation time remaining in

residency. With respect to documentation, deficiencies must be completed and no further deficiencies develop. Should these two conditions be met, the resident will return to normal status. Should deficiencies persist or new ones develop, the resident will be placed on probation.

### **Probation:**

Probation shall be instituted for three months. “Have you ever been on Probation?” is a question asked by many states during the licensing process, hospital credentialing and insurance companies and thus should be avoided to save time and angst in the future. During probation, the remedial plan consists of correction of delinquencies and 100% compliance with all documentation and administrative requirements. If the resident does not comply, see Final Actions.

### **Final Actions:**

The Program Director may proceed directly to termination from the program or consider allowing the resident to finish the year but not to be promoted to the next year. In the case of graduating residents, the PD may decide that the resident has failed to satisfactorily complete the residency requirements and therefore would be unable to validate residency training, an essential requirement for being accepted for the Qualifying examination of the American Board of Surgery.

### **Duty Hours:**

Failure to log Duty Hours 2 weeks with in a single month constitutes one violation. Two violations over 2 months will place the resident on Administrative leave.

Three occurrences of Administrative Leave over 12 months leads to Academic Probation. Any subsequent violation of Duty hour recording in that year results directly in Probation.

### **Case Logs:**

Failure to update case logs by the last day of each month, will result in immediate Administrative leave. Placement on Administrative leave 3 times in one PGY year or five occurrences during the program, will result in Academic Probation.

### **USMLE/WV STATE MEDICAL LISCENCE:**

Failure to complete the USMLE Step III exam by Dec 31<sup>st</sup> of the residents PGY II year results in immediate Academic Probation.

Failure to apply for a WV State Medical License by April 1<sup>st</sup> of the PGY II (PGY III for IMGs) year results in immediate Academic Probation.

### **CBL’S:**

Failure to complete required CBL’s by the assigned deadline, will result in Administrative leave.



## DUTY HOUR POLICY

The **Duty Hours** menu item is assigned to users who are expected to track Duty Hours at some point during their educational experience. The use of this tool is customizable by program. It may be used by residency programs to monitor for Duty Hours violations, or by other programs for general time tracking. Trainees can use it to log the length of time spent on a given task, during a certain activity and at a particular site. Programs may also require that Trainees record a Supervisor for the log entry.

Select Duty Hours detail, then click on day(s) in the small calendar to record time entry. [Required]

**User:**  
Harvey Cushing

**Task:**  
Planned Duty Hours

**Activity:** ☒ scheduled activities only  
Ambulatory Care

**Site:** ☒ scheduled sites only  
Please select...

**Choose a Supervisor:**  
Picotte, Susan LaFlesche

Enter a comment about the shift (optional):

**Start and End Time:**  
12:30pm to 8:30pm (8 hrs)

May 2011

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

**Legend:**

- ☒ Planned Duty Hours
- ☒ Unplanned Duty Hours
- ☒ In-House Call
- ☒ Vacation and other Non-Duty Hours
- ☒ Entries copied automatically from the system shift schedules. Click [unverified](#) links to verify these entries. Verification can only be done on items in the past.

You may toggle the **Task Types** displayed in the calendar below.

Use the form in the top portion of the screen to enter the details to be logged. Then, click on the dates that those details should be applied to using either the date-pick calendar or the calendar below. The calendar below will populate with the details logged.

To add multiple entries to a single day, modify the log details for the next entry in the form and click on the day again in either of the available calendars.

**Supervision:**

- Approved by Supervisor: ☒
- Needs to be approved by Supervisor: ☐

January March Date: 02/05/2011 Refresh

**February 2011**  
Duty Hours for Harvey Cushing

SUN	MON	TUE	WED	THU	FRI	SAT	TOTALS
30	31	1	2	3	4	5	
6 ✓ Vacation [Emergency Medicine] 10:00am-6:00pm	7 In-House Call [Emergency Medicine] 10:00am-6:00pm	8 Planned Duty Hours [Emergency Medicine] 10:00am-6:00pm	9 Planned Duty Hours [Emergency Medicine] 10:00am-6:00pm	10 Planned Duty Hours [Emergency Medicine] 10:00am-6:00pm	11 In-House Call [Emergency Medicine] 10:00am-6:00pm		
13	14 ✓ Planned Duty Hours [Emergency Medicine] 10:00am-6:00pm	15 ✓ Planned Duty Hours [Emergency Medicine] 10:00am-6:00pm	16 ✓ Planned Duty Hours [Emergency Medicine] 10:00am-6:00pm	17 ✓ Planned Duty Hours [Emergency Medicine] 11:00am-9:00pm	18	19	38.00 hours Total: 38.00 hours
20	21 In-House Call [Emergency Medicine] 10:00am-6:00pm			25	26		8.00 hours Total: 8.00 hours
27	28						76.50 hours 24.00 hours Total: 100.50 hours Vacation: 8.00 hours (Non-Duty Hours task types not included in total calculations.)

The **Totals** column may or may not display, depending on your program's configuration.

To edit an entry, click on the linked task. To delete an entry, click the icon. If notes were logged for an entry, you may click on the icon to open the note.

The current date will be highlighted. Your ability to log entries in the future may be restricted by your Program Administrator.

To view Statistics and Violation information, click the **View Stats Reports** link.

**Step 1: What are the details of the hours worked? Use the select lists to describe the hours worked.**

- **Task:** Select the task that best describes the hours being logged. This list is defined by your Program Administrator. Please note that the Task selected will impact how violations calculate for the hours logged; see your Program of Duty Hours Administrator if you have question on the task(s) you should log.
- **Activity:** Your program may require that you select an activity. If it is required, you will not be able to record an entry until an activity is selected.

If the **scheduled activities only** box appears and is checked, then the select box will be limited to those activities that appear on your schedule 60 days in the past and 30 days in the future. You may uncheck this box to re-populate the select box with all available activities.

Please note, when the **Activity** field precedes the **Site** field, then your **Activity** selection will filter the list of available sites. The reverse is also true - if the **Site** field precedes the **Activity** field, then your **Site** selection will filter the list of available activities.

- **Site:** Optional field - not all programs track Sites. If the field is included, select the site for the hours being logged. If the **scheduled sites only** box appears and is checked, then the select box will be limited to those sites that appear on your schedule 60 days in the past and 30 days in the future.

Please note, when the **Site** field precedes the **Activity** field, then your **Site** selection will filter the list of available activities. The reverse is also true - if the **Activity** field precedes the **Site** field, then your **Activity** selection will filter the list of available sites.

- **Choose a Supervisor:** Optional field - not all programs use Supervision. Select the individual who supervised you during the time logged.
- **Enter a comment about the shift (optional):** You may include a comment with the log entry that will be available to supervisors and administrators.
- **Start and End Time:** Indicate the length of time being logged. If you enter a shift length that exceeds the length permitted for your training rank and program, you may be prompted by one or more questions. When the shift length form displays, you must answer each question and enter a comment before you can save the entry.

**Step 2: What calendar day(s) do the details entered apply to? Use the date-pick calendar to select the days on which you want to log hours.**

- **Select Dates calendar:** Once you have described the details of the log entry using the fields described above, use the **Select Dates** calendar to apply those details to applicable dates. As you select dates, the log details will populate in the **Selected Dates** list and on the calendar below.

#### ***Calendar Options and Explanations***

- **Legend:** Log entries are color-coded by Task Type; these colors are described in the legend. All checked types will display in the calendar. You may uncheck types to filter the calendar entries by task.
- **Supervision:** There are 3 types of supervision available in E\*Value: None, Active, and Passive.
  - None - If Supervision is not used, your entries will automatically be accepted and they will display the green check mark icon.
  - Active - If supervision is set to Active, then the selected supervisor will need to validate the entry before it is accepted. The entry will display a red exclamation icon until the hours are validated. Once it is validated, it will

display the green check mark icon. Depending on your program setup, you may not be able to edit an entry that has already been validated.

- Passive - If supervision is set to Passive, then the entry will default to accepted once it is logged. The supervisor will be notified that an entry was made. If the supervisor agrees with the entry, no action will be taken. If the supervisor disagrees with the entry, then the entry will be set to unapproved.

- **Duty Hours calendar:** The calendar will populate with entries logged from the **Select Dates** calendar. You may also apply details from the select box above by clicking on a date in this calendar. To edit an entry on the calendar, click on the linked task.

### Shift Violation Questions

You may be prompted to answer questions about shifts that could be potential Duty Hours violations.

### Shift Length Violations

When a shift is logged with a length that exceeds the permitted shift length for your training rank, but it is within the allotted time for transitioning patient care, a popup window may prompt you to indicate whether or not you were assigned new patient care responsibilities during this time:

Depending on your answer and your program's setup, you may be prompted to answer additional questions and enter a comment about the shift. Shifts logged that exceeded the permitted shift length due to transitioning patient care only will display on the Duty Hours calendar with a T:

	6	7	
Planned Duty Hours Emergency Medicine ...-15pm	Planned Duty Hours T Internal Medicine Clerkship 8:30am-...	Planned Duty Hours T Internal Medicine Clerkship ...-10:30am	
	13	14	15
	20	21	22

Shifts that exceed the **Permitted Shift Length** due to transitioning care only are noted with a T on the trainee's calendar.

### Shift Break Violations

If you log consecutive shifts separated by a length of time that is less than the required shift break for your training rank and program, then you may be prompted to answer a comment about the shortened shift break:

Shift Violation

Shift Violations:

- This entry violates the Break Between Shifts requirements for your program. Please include comments with this entry.

Enter email message here...

Continue Close

### Verifying Shifts Imported from Schedule

Programs have the option to import shifts from E\*Value's Shift Scheduling tool to their trainee's Duty Hours calendars. If your program chooses this option, those shifts will display on your Duty Hours' calendar as "Unverified." After the actual shift occurs, you should modify the hours, if necessary, and verify that you worked that shift. Click the **uv** link to verify the shift:

7	8	9
Planned Duty Hours v Emergency Medicine ...-9:00am	Planned Duty Hours uv Emergency Medicine 8:00am-5:00pm	
14	15	16
	Planned Duty Hours uv Emergency Medicine 8:00am- verify entry	Planned Duty Hours v Emergency Medicine 12:00am-1:00pm
21	22	23
	Planned Duty Hours v Emergency Medicine 8:00am-5:00pm	

If the actual shift exceeds the permitted Shift Length for your program and Rank, then you will be prompted to answer any Shift Length Violation questions that have been defined by your program.

### Editing an Entry

To edit an existing entry, click the task name on the calendar in the lower portion of the screen. The **Edit Duty Hours Entry** box will display. Please note, programs that track Supervisors for hours logged have the option to lock entries once they have been validated by a supervisor. If your program is configured this way, you may not be able to edit entries that appear with the green check mark icon. The following will display when you click on the entry:

✓ Hours Entry Verified by Supervisor **No Longer Updatable**

User:  
Noah Cambell (entry for Sunday, January 2, 2011)

Task:  
Planned Duty Hours

Site:  
AI Medical

Activity:  
Emergency Medicine

Choose a Supervisor:  
Cass, Kathy

Enter a comment about the shift (optional):

Start and End Time:  
6:00am to 8:00pm (12 hrs)

Close

### Reviewing Statistics and Violations

You can click the **View Stats Reports** link in the lower-left corner of the logging screen to preview your Duty Hours Statistics and Violations.



The **Duty Hours Trainee Reporting** window will open:

**Duty Hours Trainee Reporting** ?

Please specify the desired date range to run Duty Hours Statistic and Violation Reports. For additional history, please see Duty Hours under the Reports menu.

Start Date: June 1, 2011 End Date: June 30, 2011  
Date Type: (by Calendar Month)

View Duty Hours Statistics

Select the date range to be reviewed. You can either run the report by Calendar Month or a date range specified by your Program Administrator.  
Click the **View Duty Hours Statistics** button to continue.

Your statistics for the selected date range will display. Any violations that occurred during the period will display by type, as shown in the example below:

### Duty Hours Trainee Reporting

Please specify the desired date range to run Duty Hours Statistic and Violation Reports. For additional history, please see Duty Hours under the Reports menu.

Start Date: March 1, 2011 End Date: March 31, 2011  
Date Type: (by Calendar Month)

[View Duty Hours Statistics](#)

Duty Hours Statistics between 03/01/2011 12:00 AM - 03/31/2011 12:00 AM

Total Hrs Worked	Avg Hrs Per Days Worked	Avg Hrs Per Week	Vacation Days	Days Not Logged	% Logged	% Validated
137.00	9.79	30.94	0.00	15.00	51.61%	0.00%

Duty Hours Violations between 03/01/2011 12:00 AM - 03/31/2011 12:00 AM

Shift Length	Rank	Shift Start	Shift End	Shift Hours	Max Hours	Activities	Comments	Document
	PGY2	03/01/2011 08:03	03/02/2011 08:03	24.00	21.00	Emergency Medicine		
	PGY2	03/08/2011 08:03	03/09/2011 08:03	24.00	21.00	Emergency Medicine		
	PGY2	03/15/2011 08:03	03/16/2011 09:03	25.00	21.00	Emergency Medicine		
	PGY2	03/22/2011 08:03	03/23/2011 09:03	25.00	21.00	Emergency Medicine		

### Email Notices and Reminders

Please note that your program may send email notices reminding you to log your hours. This is configured by program, but in most cases you will continue to receive these reminders until hours are logged.

Beginning July 2004, the ACGME began enforcing the 80-hour duty week for resident physicians. In addition, as of 2011, the ACGME has set aside new regulation concerning intern work restrictions. The goal is to enhance the educational experience by allowing the resident adequate time for rest and activities outside the hospital environment. It is vitally important that we comply with the regulations not only to stay within the guidelines but also to provide a program focused on educational needs not service needs. Therefore, it is important to have a thorough understanding of the rules, so that we can stay in compliance.

### Duty Hours:

**Failure to log Duty Hours 2 weeks with in a single month constitutes one violation. Two violations over 2 months will place the resident on Administrative leave.**

**Two occurrences of Administrative Leave over 6 months lead to Academic Probation. Any subsequent violation of Duty hour recording in that year results directly in Probation.**

Each resident will log his or her hours into the E-value, online system at [www.e-value.net](http://www.e-value.net). You will be given a login name and password. If you should forget your name or password please contact the Residency Administrator, Linda Shaffer at 293-1254.

Weekly periods run from Monday through Sunday. The hours are to be logged in upon completion of their Sunday shift. The hours will be retrieved by the program on Monday and compiled. Off-service residents should also record their hours. The administrative chief also monitors resident compliance of duty hours who is responsible for overseeing that all hours are reported in a timely fashion.



## **EVALUATION POLICY**

The Department of Surgery has established this policy for evaluation and structural feedback to enhance the residency training program and institute quality improvement mechanisms.

Formal evaluation of each resident will be based on the following criteria:

- 1) Faculty, peer, nursing and support staff evaluation forms from each rotation (360° evaluation process)
- 2) ABSITE scores
- 3) The six ACGME Competencies
- 4) Attendance and participation in conference
- 5) Oral (Mock) exam by faculty and community members (senior residents)
- 6) Resident operative experience tracking (Record Keeping of Cases)
- 7) Duty Hour log (Record Keeping of hours)
- 8) Clinical Competency Committee Meetings (biannually for each resident)

An evaluation form is completed for each resident every month no matter the length of the rotation. Any negative evaluations will be brought to the attention of the Program Director, who will bring it to the attention of the resident. Measures to correct the problem will be addressed.

Resident performance is evaluated for each 2 times a year by the program director and the Clinical Competency Committee (CCC). The resident has access to the evaluations at all times through the e-value system.

The resident will meet with the Program Director on a semi-annual basis to discuss his/her progress in the program. These meetings take place in December and May. All rotation evaluations will be reviewed with the resident and if there is an area of concern, the program director may have additional meetings if required.

Each year all residents participate in the American Board of Surgery In-Service Training Examination (ABSITE) given nationally by all Surgery departments to evaluate each individual's progress. These examinations are designed to assess the residents' surgical knowledge and can be a predictor of performance on the American Board of Surgery qualifying exam.

All evaluations are kept as part of the resident's personnel file. Residents are urged to review their files monthly and sign all evaluation forms. Residents may have access to their academic files at any time. The residents each have electronic files and can be obtained by entering the e-value system. The Program Director is available for discussion and the residents are encouraged to seek guidance for any perceived difficulty or problem. The residents routinely and anonymously complete confidential evaluations of their various rotations, the program and the surgical faculty.

**The resident's evaluations are based on the ACGME competencies and surgical milestones.**

# **FATIGUE**

## **Fatigue and Stress Policy**

### **Purpose:**

Symptoms of fatigue and stress are normal and expected to occur periodically in the resident population, just as it would in other professional settings. Not unexpectedly, residents may experience some effects of inadequate sleep and stress. The West Virginia University, Department of Surgery has adopted the following policy to address resident fatigue and stress:

In 2014, the Department of Surgery implemented a Sleep & Fatigue CBL course in SOLE that is a requirement for all residents and faculty to complete.

### **Recognition of Resident Excess Fatigue and Stress:**

Signs and symptoms of resident fatigue and stress may include but are not limited to the following:

Inattentiveness to details

Forgetfulness

Emotional

instability

Irritability

Increased conflicts with others

Lack of attention to proper attire or

hygiene Difficulty with novel tasks and multitasking Impaired awareness

### **Response:**

The demonstration of resident excess fatigue and stress may occur in patient care settings or in non-patient care settings such as lectures and conferences. In patient care settings, patient safety, as well as the personal safety and well-being of the resident, mandates implementation of an immediate and proper response sequence. In non-patient care settings, responses may vary depending on the severity and demeanor of the resident's appearance and perceived condition. The following is intended as a general guideline for those recognizing or observing excessive resident fatigue and stress in either setting:

### **Patient Care Settings: Attending Clinician:**

In the interest of patient and resident safety, the recognition that a resident is demonstrating evidence of excess fatigue and stress requires the attending or senior resident to consider immediate release of the resident from any further patient care responsibilities at the time of recognition.

The attending clinician or senior resident should privately discuss his/her opinion with the resident, attempt to identify the reason for excess fatigue and stress, and estimate the amount of rest that will be required to alleviate the situation.

In all circumstances the attending clinician must attempt to notify the chief/senior resident on-call, residency manager, residency director, or department chair, respectively of the



decision to release the resident from further patient care responsibilities at that time.

If excess fatigue is the issue, the attending clinician must advise the resident to rest for a period that is adequate to relieve the fatigue before operating a motorized vehicle. This may mean that the resident should first go to the on-call room, surgery resident lounge for a sleep interval no less than 30 minutes. The resident may also be advised to go to the Emergency Room front desk and ask that they call for security, a cab or someone else to provide transportation home.

If stress is the issue, the attending, after privately counseling the resident, may opt to take immediate action to alleviate the stress. If, in the opinion of the attending, the resident stress has the potential to negatively affect patient safety, the attending must immediately release the resident from further patient care responsibilities at that time. In the event of a decision to release the resident from further patient care activity, notification of program administrative personnel shall include the chief/senior resident on call, residency manager, residency director or department chair, respectively.

A resident who has been released from further patient care because of excess fatigue and stress cannot appeal the decision to the attending.

A resident who has been released from patient care cannot resume patient care duties without permission from the program director.

The residency director may request that the resident be seen by the Faculty and Staff Assistance Program (FSAP) prior to return to duty.

### **Allied Health Care Personnel**

Allied health care professionals in patient service areas will be instructed to report observations of apparent resident excess fatigue and/or stress to the observer's immediate supervisor who will then be responsible for reporting the observation to the respective program director.

### **Residents**

Residents who perceive that they are manifesting excess fatigue and/or stress have the professional responsibility to immediately notify the attending clinician, the chief resident, and the program director without fear of reprisal.

Residents recognizing resident fatigue and/or stress in fellow residents should report their observations and concerns immediately to the attending physician, the chief resident, and/or the residency director. Residency Director

Following removal of a resident from duty, in association with the chief resident, the residency director must determine the need for an immediate adjustment in duty assignments for remaining residents in the program.

Subsequently, the residency director will review the residents' call schedules, work hour time cards, extent of patient care responsibilities, any known personal problems and stresses contributing to this for the resident.

For off-service rotations, the residency director will notify the program director of the

rotation in question to discuss methods to reduce resident fatigue.

In matters of resident stress, the residency director will meet with the resident personally as soon as can be arranged. If counseling by the residency director is judged to be insufficient, the residency director will refer the resident to the FSAP (Faculty and Staff Assistance Program) for evaluation.

If the problem is recurrent or not resolved in a timely manner, the residency director will have the authority to release the resident indefinitely from patient care duties pending evaluation by FSAP.

## **HANDOFF AND TRANSITIONS OF CARE IV.A.4.a).(2)**

### **I. Rationale**

To assure continuity of care and patient safety, ACGME requires a minimum number of patient care transitions, a structured and monitored handoff process, training for competency by residents in handoffs, and readily available schedules listing residents and attending physicians responsible for each patient's care. In addition to resident-to- resident patient transitions, residents must care for patients in an environment that maximizes effective communication among all individuals or teams with responsibility for patient care in the healthcare setting.

- Department of Surgery call schedules are available within the connect call system. These include service specific as well as attending staff contact information.

### **II. Policy**

A. Each training program should review call schedules at least annually to minimize transitions in patient care within the context of the other duty hour standards. Whenever possible, transitions in care should occur at a uniform daily time to minimize confusion. Should changes in the call schedule be necessary, documentation of the process involved in arriving at the final schedule should be included in the minutes of the annual program review.

- Dedicated Department of Surgery sign-out time each day (M-F) is from 5:30-6:30 pm.
- Call Schedules are made monthly and done so in a manner so that transitions of care are kept to as much of a minimum as possible.

B. Each residency training program that provides in-patient care is responsible for creating an electronic patient checklist utilizing an appropriate template and is expected to have a documented process in place to assure complete and accurate resident-to- resident patient transitions. At a minimum, key elements of this template should include:

- Patient name
- Age
- Room number
- ID number
- Name and contact number of responsible resident and attending physician
- Pertinent diagnoses
- Allergies
- Pending laboratory and X-rays
- Overnight care issues with a "to do" list including follow up on laboratory and X-rays
- Code status
- Other items may be added depending upon the specialty.

C. There must be a structured face-to-face, phone-to-phone, or secure intra-hospital electronic handoff that occurs with each patient care transition. At a minimum this should include a brief review of each patient by the transferring and accepting residents with time for interactive questions. All communication and transfers of information should be provided in a manner consistent with protecting patient confidentiality.

- The Department of Surgery instituted a "Protected Time" between 5:30-6pm each day for the Handoff/Sign-out of patient care to the Night Team. The On Call" paging system reads: "Please hold Non-Urgent Pages between 5:30-6pm for Surgery Sign-out".
- All surgery residents will be excused from the floors and the operating room during the handoff/transition time period. The nurse managers of the floors have been notified to

hold all non-urgent pages and calls until after this time.

- Once a month a Surgery faculty member is assigned to moderate and document the sign-out process of the surgery teams.

D. Each training program is responsible for notifying the hospital telephone operators about its call schedule so that the entire health care team (staff physicians, residents, medical students, and nurses) know how to immediately reach the resident and attending physician responsible for an individual patient's care.

E. Each training program is responsible for assuring its trainees are competent in communicating with all caregivers involved in the transitions of patient care. This includes members of effective inter-professional teams that are appropriate to the delivery of care as defined by their specialty residency review committee. Methods of training to achieve competency may include annual review of the program-specific policy by the program director with the residents, departmental or GME conferences, or review of available on-line resources. Programs must include the transition of care process in its curriculum. Residents must demonstrate competency in performance of this task. Programs must develop and utilize a method of monitoring the transition of care process including evaluation of the residents, as well as the process, using E\*Value, and must update this method as necessary.

### III. GME Monitoring and Evaluation

A. To evaluate the effectiveness of transitions, monitoring will be performed using information obtained from electronic surveys in E\*value. Each resident must be evaluated, at minimum, once per year, to assess their ability to effectively and safely hand off their patients. For the first year resident, best practice would necessitate this evaluation to occur early in the academic year so problem areas may be addressed quickly.

B. Programs must have residents and faculty complete an evaluation, at least annually, on the effectiveness of the handoff system. This will be done via questions on the standard program evaluation for both residents and faculty. In addition, programs may choose to add specialty specific questions to gain more detailed information.

C. Monitoring and assessment of the Handoff process by the program must be documented in the Annual Program Review. In addition, during the annual meeting between the Program Director, the Department Chair, and the DIO, this documentation will be reviewed to confirm the Transition of Patient Care process is in place and being effectively taught, monitored, and evaluated by the program. Deficiencies in this area will result in an in-depth special program review of your program.

GMEC approved: September 9, 2011

GMEC modified: September 13, 2013

***INTENT NOT TO RENEW CONTRACT***

In the event that the Department of Surgery elects not to reappoint a resident to the program and the agreement is not renewed, the department shall provide the resident with a four (4) month advance written notice of its determination of non-reappointment unless the termination is “for cause”.

## ***MATERNITY AND PATERNITY LEAVE (FAMILY MEDICAL LEAVE)***

Sick Leave/Short Term Disability is to be used for Maternity/Paternity Leave. If you have exhausted all of your sick time to cover your time off, you will be required to use any unused vacation time.

**Additional information regarding all leaves can be found [www.hr.wvu.edu](http://www.hr.wvu.edu)**

**PLEASE NOTE:** In addition to WVU, leave policies, the Accreditation Council of Graduate Medical Education (ACGME) and The American Board of Surgery (ABS) have requirements that must be followed in order to obtain your certificate and sit for your boards. Additional training as a resident may be required. The ABS (American Board of Surgery) has the following requirements in regard to medical or maternity leave.

The ABS will accept 46 weeks surgical training in one of the first three years, for a total of 142 weeks during the first three years and 46 weeks of training in one of the last two years, for a total of 142 weeks in the first three years and 94 weeks during the last two years.

(American Board of Surgery, Booklet of Information Section II B 2.b)

American Board of Surgery – [www.absurgery.org](http://www.absurgery.org)

Accreditation Council of Graduate Medical Education – [www.acgme.org](http://www.acgme.org)

## ***MOONLIGHTING POLICY***

At West Virginia University, the rules and regulations governing house staff require all moonlighting activities engaged in by house staff to have the **approval** of the **Program Director**. It is the individual Program Director's prerogative as to whether or not moonlighting is permitted.

**Moonlighting is NOT permitted for general surgery residents.** The Department of Surgery feels activities outside the educational program must not interfere with the resident's performance nor must they compete with the opportunity to achieve the full measure of the educational objectives of the residency.

The faculty feels that a surgical residency is a demanding and rigorous experience. It is felt that moonlighting also interferes with the residents' opportunities for study, relaxation, rest and a balanced life style.

## ***PARKING POLICY***

Here are some helpful hints and information that address many of the more common questions we receive regarding parking.

Do not use patient/visitor parking lots. This is one of the most egregious parking offenses an employee can commit, with the exception of parking illegally in a handicapped space. This practice does not reflect the patient first values of our organization.

Do not park illegally anywhere on WVUH property. There are always permit parking spaces available in resident lots K-1 and K-2. If you cannot find a space, approach one of the Security Officers and they will direct you to a space.

If you have more than one vehicle and you forget to transfer your permit, please obtain a staff temporary, good for one day. You will need to obtain the permit from the Security office.

If you lose your parking permit, please see the Security Office for replacement. There is a fee to replace a lost permit.

If you have been towed, you will need contact the WVUH Security Office or a security officer.



## **PRACTITIONERS' HEALTH COMMITTEE**

The Practitioners' Health Committee serves as a resource in the management of impaired physicians. Impairment includes any physical, psychiatric or emotional illness that may interfere with the physicians' ability to function appropriately and provide safe patient care. In an effort to ensure consistency in our approach to these difficult problems, the Practitioners' Health Committee has formulated the following guidelines.

### **NEW RESIDENTS/FACULTY**

#### **Substance Abuse**

Any resident or faculty member who requests an appointment to practice at WVUH who has a reasonable suspicion of substance abuse or has a history of substance abuse and/or treatment of substance abuse must be initially referred to the Practitioners' Health Committee. The Practitioners' Health Committee will determine whether the resident or faculty needs additional evaluation from a psychiatrist or other person specializing in substance abuse.

After receiving an evaluation, and consulting with the Department Chairperson, the Practitioners' Health Committee will make a recommendation concerning:

- Advisability of an appointment to WVUH
- Need for restriction of privileges
- Need for monitoring
- Need for consent agreement concerning rehabilitation, counseling or other conditions of appointment

Decision to grant Hospital staff privileges or allow residents to treat patients at WVUH, and under what terms are at the discretion of the WVUH Board of Directors through the Joint Conference Committee and based upon the recommendation of the Departmental Chairperson, the Vice-President of Medical Staff Affairs and the Practitioners' Health Committee.

These recommendations will be communicated to the GME office and the Program Director/Chair (for residents), the Vice-President of Medical Staff Affairs and the Practitioners' Health Committee.

If it is agreed that the resident or faculty is to have an appointed position at WVUH, the resident/faculty member must sign an agreement that upon granting privileges, he/she will submit to a blood and urine drug screening before assuming any patient care responsibilities.

Where the circumstances dictate a need for monitoring, the resident/faculty must sign an agreement that he/she will meet with a member of the Practitioners' Health Committee and agree to random blood and urine drug screens and other conditions that the Committee determines are appropriate in their sole discretion as requested by the Practitioners' Health Committee, the Vice-President of Medical Staff Affairs, and other supervisors.

All conditions of privileges and all test results will be communicated in writing to the GME office, Program Director/Chair (for residents) and the Vice-President of medical Staff Affairs

**Practicing Residents/Faculty**

It is the responsibility of all faculties, residents, or any other person, to immediately report any inappropriate behavior or other evidence of substance abuse/health problems that could impact on professional/clinical performance in the Hospital. In addition, a resident or faculty member can and is required to self-refer to the Practitioners' Health Committee in the event that he/she experiences any substance abuse/health problem which could impact on professional/clinical performance in the Hospital.

All such reported information shall be kept confidential except as limited by law, ethical violation, or when patient safety is threatened.

If a Program Director/Chair or Vice-President of Medical Staff Affairs receives a report suggesting impairment of a physician (faculty or resident) or observes behavior suggesting impairment, then the following actions are required:

The Program Director/Chair or Vice-President of Medical Staff Affairs will do the best of his/her ability to ensure that the allegation of impairment is credible.

The Program Director/Chair or Vice-President of Medical Staff Affairs must notify the Dean, the Vice-President of Medical Staff Affairs (the Chairperson), and the Practitioners' Health Committee (within twenty-four (24) hours or within the next business day) in writing of any reported incidents or observed behavior suggesting impairment.

The Program Director/Chair or Supervisor must immediately send the physician to Employee Health or the Emergency Department for blood and urine drug screening, as set forth in WVUH policy. Refusal to cooperate with testing is grounds for dismissal from the medical staff for faculty and removal of residents from providing any patient care within the hospital.

The Program Director/Chair or Supervisor must immediately remove the physician from patient care or patient contact.

The Program Director/Chair or Supervisor must immediately make a mandatory referral to the Employee Assistance Program (EAP), based on the possibility of impaired performance.

The Program Director/Chair or Supervisor must immediately send the physician to Employee Health or the Emergency Department for blood and urine drug screening, as set forth in WVUH policy. Refusal to cooperate with testing is grounds for dismissal from the medical staff for faculty and removal of residents from providing any patient care within the hospital.

The Program Director/Chair or Supervisor must immediately remove the physician from patient care or patient contact.

The EAP office will require that the physician sign a release, authorizing exchange of medical information between EAP, the Chairperson, WVUH, and the Practitioners' Health Committee. EAP will provide a report of their evaluation and treatment recommendations in a timely manner to the Dean, Practitioners' Health Committee, Chairperson, and the Vice-President of Medical Staff Affairs of WVUH.

The Practitioners' Health Committee will review the report from the EAP and provide a

recommendation to the Vice-President of Medical Staff Affairs who will be responsible for the final decision concerning return to work and monitoring. The Practitioners' Health Committee will participate in the monitoring of physicians until the rehabilitation or any disciplinary process is complete. All instances of unsafe treatment will be reported to the Medical Executive Committee.

**Other impairments (physical, emotional or psychological)**

Any resident or faculty who requests an appointment to practice at WVUH where there is a physical, emotional or psychological impairment that may interfere with the physicians' ability to function appropriately and provide safe patient care must be initially referred to the Practitioners' Health Committee. The Practitioners' Health Committee will determine whether the resident or faculty needs additional evaluation from a psychiatrist or other person specializing in the specific condition.

The same process will apply as above, however, there may be different or additional monitoring required besides random blood and urine drug screens.

## **QUALITY IMPROVEMENT POLICY**

1. Residents are expected to work in interprofessional teams to enhance patient safety and improve patient care quality.
2. Residents are expected to participate in a quality improvement project in each year of their residency.
3. Residents are to be engaged in the use of data to improve systems of care, reduce health care disparities and improve outcomes.
4. Residents are expected to participate in all quality improvement didactic sessions and teaching modules.
5. Residents are expected to review their own personal quality outcomes through quarterly quality in training initiative (QITI) reports.
6. Residents are expected to attend, participate in and present at weekly morbidity and mortality conference.
7. Each quality improvement project will be submitted to the annual GME QI Fair.

## **SICK LEAVE**

**Accumulation of Leave** – Additional Information regarding leave can be found at [www.hr.wvu.edu](http://www.hr.wvu.edu)

Accumulation of sick leave is unlimited. Full-time regular classified staff and 12 month regular faculty accrue 1.50 days of sick leave per month during active employment. If you are sick and need to “call-in” to take a sick day you must do 3 things:

- 1) Contact the program director.
- 2) Contact the chief resident of your service
- 3) Contact or leave a voice mail message for Residency Program Administrator, Linda Shaffer 293-1254.

Sick time may be taken for:

- Scheduled Dr/Dentist appointment for employee
- Non-scheduled appointment for employee’s child (i.e. called by caretaker or daycare that child is sick and needs medical attention).
- Funeral leave (3 days) for immediate family. If additional leave is required (i.e. extensive travel), it must be **approved** by the **Program Director**.
- Maternity/Paternity Leave

If you have any questions on whether sick time can be used or not, please contact the Residency Program Administrator. **Excessive/unexplained absences may affect your competency evaluation or even your promotion to the next level of training.**

## ***PROGRAM CLOSURE/REDUCTION POLICY***

In the event that the Department of Surgery's program is closed, reduced or discontinued, the department will:

Inform the residents in writing as soon as possible. If a resident is unable to complete his/her training in the program, the department will make a good faith effort to assist the resident in enrolling in an ACGME accredited program in the same specialty at the appropriate PGY level;

Exercise proper care, custody and disposition of the resident's education records, and appropriately notify licensure and specialty boards.

## ***PROMOTION POLICY***

The Department of Surgery has established this policy for the General Surgery Residency Training Program to use in the promotion of residents to the next level of training. Additional information regarding the policy can be found at the following website under GME Bylaws: [www.hsc.wvu.edu/som/gme](http://www.hsc.wvu.edu/som/gme)

The decision to reappoint and promote a resident to the next level of postgraduate training is done annually by the Program Director upon review of the resident's performance and with input from the faculty.

The Surgery Resident is expected to make and maintain satisfactory progress in appropriately developing sound surgical and non-surgical treatment plans, good communication skills, patient management for surgical and non-surgical care, effectively and completely assuring the role of surgical consultant to a wide variety of referring physicians, and mastery of technical skills for performing required procedures independently (with faculty support).

The Program Director shall consider the following factors in the decision to promote a resident to the next level of training:

- All evaluations of the resident's performance (refer to the Policy of Evaluation of Residents) – by making satisfactory progress in the program as documented by evaluations semi-annually and a yearly basis from faculty and making measurable progress in acquiring didactic knowledge.
- Performance on the American Board of Surgery In-Training Examination (ABSITE).
- Preparation and performance at conferences.
- Second year residents must pass Step 3 of the USMLE examination in order to advance to the third year of training.
- Progress toward research requirement.
- Any other criteria deemed appropriate by the Program Director.

Any resident pending promotion due to academic performance will be placed on either department remediation or institutional probation. In the event that a resident is on departmental remediation or

institutional probation at the time of contract renewal, the program director may choose to extend the existing contract for the length of time necessary to complete the remediation process or to promote the resident to the next level of training. If the resident's performance continues to be unsatisfactory, he/she either will be placed on the next level of discipline or terminated. The resident may request a Fair Hearing in the case of contract extension or non-renewal.

## ***RESEARCH POLICY***

The Department of Surgery has established the following research policy. Over the course of their 5-year surgical training, residents will be required to complete three research projects. Completion being defined as presentation at a regional/national meeting or submission to a medical journal. It will be expected that one project be completed by the end of the PGY-3 year. The remaining two projects will be completed by the end of the PGY-5 year.

Residents have the opportunity to present research projects they have completed before faculty, colleagues and students. PGY 1 and 2 residents will be required to submit an abstract for the Surgery Residents Research forum at the Zimmermann Lectureship held in March of each year. Residents will compete at the annual Greenbrier Resident Paper Competition at the West Virginia State American College of Surgeons Meeting (typically held in May).

WVU's surgical training program provides optimal opportunities for residents to engage in basic and clinical research. Residents may take a year off to conduct a research project during the course of their residency training.

# RESIDENT CONTRACT Review

## NOTIFICATION OF TERMS AND CONDITIONS OF APPOINTMENT MEDICAL AND DENTAL RESIDENTS

Name: «Name»

Annual Salary: «PGSALARY».00

Administrative Supplement: «SUPPLEMENT».00

College	Title	Start	Stop
<i>College of Medicine</i>	<i>Medical Resident</i>	«start_date»	«end_date»

**Appointment:** This appointment is made by virtue of the authority vested by law in the West Virginia University Board of Governors and is subject to and in accordance with the provisions of the rules, regulations and policies of the governing board.

### 1. **Conditions of Employment:**

Consistent with the provisions of the rules, regulations, and policies of the governing board and of West Virginia University, this appointment and/or compensation is/are subject to the fulfillment of the responsibilities of the position during the term of the appointment, the availability of the state funding, and the following:

#### **License to Practice Medicine/Dentistry:**

If the medical resident holds a Medical Doctor (M.D.) degree and has already completed twelve months of residency training and is otherwise eligible for licensing, this appointment is subject to resident obtaining and maintaining an unrestricted license to practice medicine from the State of West Virginia and/or from any other State's licensing authority where resident has been assigned by the Dean of the School of Medicine. If the medical resident holds a Doctor of Osteopathy (D.O.) degree, this appointment is subject to resident obtaining and maintaining an unrestricted license to practice medicine from the State of West Virginia Board of Osteopathy and/or from any other State's licensing authority where resident has been assigned by the Dean of the School of Medicine. In the case of dental residents, this appointment is subject to resident obtaining and maintaining an unrestricted license to practice dentistry from the State of West Virginia and/or from any other State's licensing authority where resident has been assigned by the Dean of the School of Dentistry.

#### **House Staff Responsibilities:**

This appointment is subject to resident obtaining and maintaining a house staff appointment at the affiliated hospital(s) to which resident is assigned by the Dean of the West Virginia University School of Medicine or Dentistry. The resident shall be subject to all policies, rules, and regulations of said affiliated hospitals(s).

### 2. **Health Maintenance Organizations, Managed Care Entities and Other Purchasers of Health Care:**

Resident's signature below in acceptance of this appointment shall constitute the authorization by resident for the School of Medicine or Dentistry or affiliated hospitals of the School of Medicine or Dentistry, to release confidential information concerning resident's education, skills, quality of care, utilization, and patient care experience to health, maintenance organizations, managed care entities and other purchasers of health care that contract for the provision of professional medical/dental services by residents. The resident participating in managed care activities shall be subject to all policies, rules, regulations and agreements of said organizations or entities.

### 1. **Benefits:**

Information on benefits including conditions for reappointment, conditions under which living quarters, meals, laundry are provided, professional liability insurance, liability insurance coverage for claims filed after completion of program, and health and disability insurance can be found in the House Staff Manual and the GME/WVU Bylaws, in print and on the GME website, at [www.hsc.wvu.edu/som/gme](http://www.hsc.wvu.edu/som/gme).

3.1 **WVU Human Resources Policies:** WVU Policies regarding leaves include annual leave, sick leave, parental leave, leave of absence policy accommodations for disabilities, etc. and information about insurance may be found at [www.hr.wvu.edu/benefits/benefits.cfm](http://www.hr.wvu.edu/benefits/benefits.cfm) Policy on effects of leaves on satisfying criteria for program completion is determined by each department and subject to grievance process.

3.2 **WVU Faculty and Staff Assistance Program:** WVU Faculty and Staff Assistance Program is available for WVU employees and additional information may be accessed at [www.hsc.wvu.edu/fsap/](http://www.hsc.wvu.edu/fsap/)

2. **Miscellaneous:**

**WVU Sexual Harassment Policy:** Information may be accessed at [www.wvu.edu/~socjust/sexual.htm](http://www.wvu.edu/~socjust/sexual.htm).

**Grievances:**

Information may be accessed at <http://pegboard.state.wv.us> for Human Resources issues. Grievance procedure and due process for Academic issues may be accessed at [www.hsc.wvu.edu/som/gme](http://www.hsc.wvu.edu/som/gme).

**Other policies:**

Information on duty hour policies and procedures, policy on moonlighting, policy on other professional activities outside the program, counseling, medical, psychological support services, harassment, program closures & reductions, restrictive covenants, & policy on physician impairment and substance abuse may be found at [www.hsc.wvu.edu/som/gme](http://www.hsc.wvu.edu/som/gme).

3. **Specific Assignments:**

Specific assignments of this appointment will be determined by the President or the President's designated representative and employment in the appointed position is contingent upon the fulfillment of the responsibilities assigned.

4. **Acceptance of Appointment:**

This notification of terms and conditions of appointment must be signed, dated and returned to the Office of the Dean of the West Virginia University School of Medicine or Dentistry within ten (10) days of its receipt in order to indicate acceptance of the appointment.

**I hereby accept the appointment described above, subject to all the specified terms and conditions.**

\_\_\_\_\_  
Employee Signature

\_\_\_\_\_  
Date





# **SUPERVISION POLICY**

## **Purpose**

To establish a policy to ensure all residents are provided appropriate supervision while gradually gaining autonomy and independence.

## **Responsibilities/Requirements**

Lines of supervision in the Department of Surgery follow a set of guidelines, which is used throughout all of the rotations. PGY 1's are to be supervised directly or indirectly with direct supervision immediately available. Junior (PGY 2-3) residents will supervise intern activities and also communicate with their superiors, either upper-level residents or faculty. Senior (PGY 4-5) residents will also serve in a supervisory role and will communicate with faculty. Ultimately the decisions rest upon the faculty.

Levels of supervision are defined as:

**DIRECT SUPERVISION:** Physically present with the resident and patient

**INDIRECT SUPERVISION:** (Direct supervision **immediately** available)  
Supervising physician physically within the hospital or other site and immediately available to provide Direct Supervision

**INDIRECT SUPERVISION:** (Direct supervision available)  
Supervising physician is not physically present within the hospital or other site of care, but is immediately available by means of telephone and/or electronic modalities, and is available to provide Direct Supervision

**OVERSITE:** Supervising physician is available to provide review of procedures/encounters with feedback provided after care is delivered

The department wants to establish that all residents should feel comfortable seeking help. Only through non-judgemental interactions can residents learn effectively. Management and patient care can seem overwhelming at times and it is the responsibility of the faculty surgeons to ensure an environment where residents feel they have the necessary support and can perform to their utmost abilities.

The following "SUPERVISION" guidelines have been established. It is again stressed that a resident should never feel intimidated or belittled when asking for assistance.

**S** Safety of the patient as well as safety of the resident are of paramount importance. The department of surgery will not compromise the safety of a patient in any way. All patient care will be supervised by the attending faculty to varying degrees to allow for increasing autonomy and growth of the resident. It is the department's goal to create a nurturing environment where residents may feel safe and secure at all times while gaining independence. A faculty is always assigned to supervise the residents.

**U** Ultimate responsibility resides with the attending physician who supervises all resident activities. All clinical work is done under the supervision of an attending faculty. While the degree of supervision in any given examination/procedure will vary with the particulars of the event, as well as the level of training of the resident, the ultimate responsibility for the written report created is that of the attending surgeon.

**P** Personal responsibility and accountability. Residents and faculty are expected to hold themselves up to the highest standards. Professionalism should be maintained at all times. It is understood that at times errors will be made, it is also understood that these errors should serve as learning points as to avoid them in the future.

**E** Expiration. It is inevitable that at some point in a resident's career they will have to deal with the death of a patient. In this event the resident will notify their senior resident and/or attending immediately. Resident will be given proper training in regards to end of life issues, death pronouncements, communicating death to families and necessary paper work. Attending faculty will be available at all times to provide support to residents following the death of a patient.

**R** "Ready or Not". PGY-1 residents will participate in a supervisory evaluation at the completion of their PGY-1 year. The evaluation will consist of video modules, patient scenarios and a written assessment regarding various procedures and patient situations. These evaluations will be scored by supervising faculty. Successful completion of the evaluation will be necessary for the resident to be given supervisory privileges for the upcoming year.

**V** Vital Signs. All significant change in patient vital signs or mental status will be communicated to the resident's supervisor. Should a patient become unstable at any time, this will be communicated to the attending surgeon.

**I** Invasive procedures. Residents will be supervised by a more senior resident or attending faculty until they are felt competent to perform that procedure independently. Hospital privileging criteria will also be followed.

**S** Status. Any change in patient status needs to be communicated to the attending faculty. Any change in level of care requiring a change in unit acuity, will be immediately communicated to the attending. Any change in code status will also be relayed to the attending faculty.

**I** Introductions & Issues. Faculty and residents will introduce themselves and inform their patients of their role in each patient's care. All family or patient issues or concerns will be brought first to the attention of the supervising resident. If resolution cannot be obtained, all issues will be discussed with the attending. Issues that arise between nursing, consulting services, ancillary care, etc. will be brought to the attention of the attending surgeon.

**O** On call. A printed, emailed or online call schedule is sent out monthly to residents, faculty and the hospital paging office. In the event of unforeseen circumstances, such as illness, the resident will be informed by the program director, senior resident or program coordinator who the supervising surgeon will be. All faculty will be available during the day and when on call via telephone and/or beeper.

**N** Notification. Faculty will be notified of all elective admissions or transfers within 2-4 hours of arrival. All discharges will be discussed with the attending surgeon. All changes in care plans will be communicated to the attending faculty. If she/he is unavailable, then the program director or the chairman of the department should be contacted in order to make a final decision on the plan and/or treatment. When the residents are called for consults in the Emergency Department or the wards, the attending faculty will be notified immediately following the resident's evaluation.

## USMLE/LICENSE POLICY

The WVU Department of Surgery will comply with the School of Medicine's Bylaws and Policies regarding the completion of the USMLE exams and application of a West Virginia State Medical License. In doing so the following department policy will be in effect.

Overview:

### CBL'S:

**Failure to complete required CBL's by the assigned deadline, will result in Administrative leave.**

1. All PGY 1 residents will have completed Step 1 and Step 2 CS AND CK prior to starting their intern year.
2. All PGY 1 residents will have applied for Step 3 by June 30 of their intern year.
3. All PGY 2 residents will have successfully completed and passed the USMLE Step III exam by Dec 31<sup>st</sup> of the residents PGY II year. If the resident has not passed USMLE III, by December 31<sup>st</sup>., they must re-apply, complete and pass the exam by April of their PG 2 year. Failure to complete, will result in immediate Academic Probation.
4. All PGY 2 residents will have applied for their WV State medical license by April of their PGY 2 year. International Medical Graduates (IMG's) will start the process for their WV State medical license toward completion of his/her PGY 3 year to be eligible to enter his/her PGY 4 year of residency. Failure to apply for a WV State Medical License by April 1<sup>st</sup> of the PGY II (PGY III for IMGs) year results in immediate Academic Probation .
5. No PGY 3 or 4 contracts for any resident will be issued until proof of application for a WV State license is on file in the Program Coordinator's office.
6. Doctors of Osteopathy participating in residency programs at WVU School of Medicine are also required to be licensed by the State of West Virginia when they are first eligible. They must obtain a license from the osteopathic board upon successful completion of their rotating osteopathic approved internship. They must have passed all three parts of the COMLEX to qualify for this license. Information on rules and regulations, fees, and applications can be obtained from the Board of Osteopathy.

### Time Limit and Number of Attempts Allowed to Complete All Steps

Although there is no limit on the total number of times you can retake a Step or Step Component you have not passed, the USMLE program recommends to medical licensing authorities that they:

- require the dates of passing the Step 1, Step 2, and Step 3 examinations to occur within a seven-year period; and
- allow no more than six attempts to pass each Step or Step Component without demonstration of additional educational experience acceptable to the medical licensing authority.

For purposes of medical licensure in the United States, any time limit to complete the USMLE is established by the state medical boards. Most, but not all, use the recommended seven years as the time limit for completion of the full USMLE sequence. While medical schools may require students to pass one or more Steps for advancement and/or graduation, you should understand the implications for licensure. For states that establish a time limit for completion of all three Steps, the "clock" starts running on the date the first Step or Step Component is passed or, in some cases, on the date of the first attempt at any Step. For definitive information, you should contact directly the licensing authority in West Virginia. The addresses and phone numbers are listed below in order to give you state-specific requirements.

Information can be obtained regarding licensure from the following:

*Doctors of Medicine:*

West Virginia Board of Medicine  
101 Dee Drive  
Charleston, WV 25311  
(304) 348-2921 or (304) 558-2921

*Doctors of Osteopathy:*

State of West Virginia  
Board of Osteopathy  
334 Penco Road  
Weirton, WV 26062 (304) 723-4638

## VACATION POLICY- DEPARTMENT OF SURGERY

The American Board of Surgery now requires all vacation, meeting and interview days be recorded on the application for the qualifying exam. A minimum of 48 weeks of full time surgical experience is required per residency year.

1. Interns (PGY 1) will receive 3 weeks of vacation per year.
2. Residents (PGY 2-5) will receive 3 weeks of vacation per year.
3. Residents will submit a request for their proposed vacation dates to the administrative chief and program director for the year, prior to July 31st. Alternate dates should be included.
4. Any resident not submitting requested dates by July 31<sup>st</sup>; will be assigned vacation dates by the program director.
5. All attempts will be made to accommodate each resident's first choice. The administrative chief resident and the program directors, if needed, will mediate disputes.
6. NO vacations will be permitted in July, the last 2 weeks of June, the last two weeks of December or the first week of January. (Rare exceptions may be granted at the program directors discretion)
7. All vacations must be taken in one-week intervals. Exceptions will be made on a case-by-case basis in consultation with the administrative chief resident and the program director.
8. Only one week of vacation will be permitted per month per resident.
9. Vacation is permitted on same rotation throughout the year as long as the weeks do not roll over in the same month or during consecutive weeks (i.e. at the end of one month and the beginning of the next) and as long as the service is otherwise adequately covered.
10. A week constitutes 7 consecutive days.
11. Each service will share an equal burden of vacation absences by residents. Night Float will be an exception to this rule, as no vacations will be permitted during the night float rotation.
12. Only one resident per PGY year may be gone at the same time. Exceptions will be made on a case-by-case basis.
13. No vacations will be granted during the week of the In-service training exam.
14. Exceptions will be made on a case-by-case basis for unscheduled absences, e.g. deaths, births, or other family emergencies.
15. \*\*\*\*Vacations are not approved until all three signatures (service chief resident, faculty service chief and program director) are obtained on the vacation request form and it is returned to the program director's office.\*\*\*\*
16. DO NOT make flight arrangements, reservations etc. until you are officially granted your vacation.
17. Three days, not included as vacation time, are granted for travel to conferences for presentations. Copies of meeting and registration forms must be attached to the Travel Authorization form and have the approved signature of the chairman.
18. Each resident (PGY-3 and above) is granted a TOTAL of five interview days. Any days necessary above these five, will be taken as vacation days. (These days are only granted for job and/or Fellowship interviews.) If a resident leaves at noon, ½ day will be charged to that resident.
19. Meeting/travel requests must also be approved by the Department Chair.
20. Requests for changes in vacation dates must be submitted in *writing* to the program director and will be approved or denied on a case-by case basis.

Revised 8/5/2016

## VACATION POLICY OFF-SERVICE ROTATORS

The Department of Surgery recognizes that a significant number of residents rotating on our services will be requesting vacation during their time on our services. Our goal is to maintain a healthy learning environment while maximizing the educational experience of your residents. To help eliminate confusion and conflicts the Department of Surgery has put together the following guidelines for off-service residents requesting vacation while on a general surgery /sub-specialty service.

1. \*\*\*\*Vacation requests must be submitted **4 months in advance**. Those requests falling in the first 4 months of the year (July-Oct) must be submitted **by July 31<sup>st</sup>**.\*\*\*\*
2. \*\*\*\*Vacations are not approved until all three signatures (service chief resident, faculty service chief and Surgery program director) are obtained on the vacation request form and it is returned to the program director or coordinator's office.\*\*\*\*
3. \*\*\*\***DO NOT** make flight arrangements, reservations etc. until you are officially granted your vacation.\*\*\*\*
4. All attempts will be made to accommodate each resident's first choice. The administrative chief resident and the program directors, if needed, will mediate disputes.
5. NO vacations will be permitted in July, the last 2 weeks of June, the last two weeks of December or the first week of January. (Rare exceptions may be granted at the program directors discretion)
6. NO vacations will be granted during the week prior to the General Surgery In-service training exam (the last week in January).
7. NO vacations will be permitted on the Trauma/SICU Services surrounding holidays. These include: Fourth of July, Christmas, and New Year. (Rare exceptions may be granted at the program director's and head of Trauma's discretion.) Residents will be assigned days off during either Christmas or New Years.
8. All vacations must be taken in one-week intervals. Exceptions will be made on a case-by-case basis in consultation with the administrative chief resident and the program director.
9. Only one week of vacation will be allowed per month per resident.
10. Only one week of vacation will be allowed per rotation per resident.
11. Only two total weeks per individual resident will be permitted while on the surgical services.
12. A week constitutes 7 consecutive days.
13. Only one resident per rotation may be on vacation at a particular time.
14. Exceptions will be made on a case-by-case basis for unscheduled absences, e.g. deaths, births, or other family emergencies.
15. All requests must be made on the Surgery department's vacation request form. This form can be obtained from the program administrator (Linda Shaffer 293-1254).
16. Meeting/travel requests must be submitted one month prior to the rotation. These will be considered on an individual basis. Only the days of the meeting and one travel day will be granted. Additional days will be considered vacation.
17. If a resident is away from the service to attend a meeting, they will not be permitted to take a separate vacation that same month.
18. Requests for exceptions to the above guidelines must be submitted in *writing* to the program director and will be approved or denied on a case-by case basis.

We appreciate your co-operation and hope that by following the above guidelines, we will be able to accommodate all resident's vacation requests. Please see that each of your residents rotating with us receives a copy of these guidelines.

*Revised 6/2015*





## MISCELLANEOUS/FORMS



P.O. Box 9238, HSCN, Morgantown, WV 26506-9238

### VACATION AND MEETING REQUEST FORM

RESIDENT: \_\_\_\_\_

(Circle One):    **VACATION**   /   **MEETING**

DATES OF TRAVEL: \_\_\_\_\_

(Only if attending meeting) LOCATION: \_\_\_\_\_

(Please Print) TITLE OF ABSTRACT/PAPER OR POSTER (Please have completed and attached Authorization to Travel Form): \_\_\_\_\_

(If presenting abstract/paper or poster) SPONSORING FACULTY MEMBER(S):

CHIEF FACULTY MEMBER SIGNATURE OF SERVICE FROM WHICH YOU WILL BE ABSENT:

CHIEF RESIDENT OF SERVICE SIGNATURE: \_\_\_\_\_  
ADMINISTRATIVE CHIEF SIGNATURE:

PROGRAM DIRECTOR'S SIGNATURE: \_\_\_\_\_

Please return completed form to:

Linda Shaffer, C-TAGME  
Senior Residency Program Administrator  
Department of Surgery  
P.O. Box 9238  
West Virginia University  
Morgantown, WV 26506-9238

# REQUEST FOR AUTHORIZATION TO TRAVEL

## DEPARTMENT OF SURGERY

DATE: \_\_\_\_\_

APPLICANT: \_\_\_\_\_

REQUISITIONER: \_\_\_\_\_

DESTINATION: \_\_\_\_\_

PURPOSE (Attach brochure or meeting announcement): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DATES OF MEETING/OFFICIAL BUSINESS:

FROM \_\_\_\_\_ TO \_\_\_\_\_

DATES OF ABSENCE FROM WORK INCLUDING TRAVEL AND VACATION:

FROM \_\_\_\_\_ TO \_\_\_\_\_

### ESTIMATED COST:

TRANSPORTATION	(Brief Description:)	
AIR	_____	_____
AUTO MILEAGE	_____	_____
OTHER	_____	_____
REGISTRATION FEE	_____	_____
HOTEL	_____	_____
MEALS	_____	_____
OTHER (Specify)	_____	_____
OTHER (Specify)	_____	_____
PRESENTATION MATERIALS	_____	_____
<b>TOTAL ESTIMATE</b>		_____

APPROVAL GRANTED: \_\_\_\_\_

Dept of Surgery Administration

JC9502