

# Educational Goals and Objectives for General Surgery Patient Management Rotation at OHSU

**Description:** 4 week rotation, 13 hour shift from 6:00 pm to 7:00 am, Sunday through Friday. Resident cares for postoperative/ward problems for the elective general surgery patients at the University.

**Goals:**

1. Medical Knowledge
  - a. Understand routine, normal postoperative course of major, common general surgical operations in foregut, minimally invasive, bariatric, colorectal, and surgical oncology patients.
  - b. Understand differential diagnosis and management of common postoperative complications.
2. Patient Care
  - a. Recognize common presentation of postoperative complications and know how to diagnose and manage them.
  - b. Understand options for treatment of postoperative pain and the usual outcomes of these methods.
  - c. Understand routine postoperative management of patients who have had common general surgical procedures.
  - d. Learn basic procedures such as central venous line, arterial puncture, tube thoracostomy, ultrasound.
3. Practice-based Learning and Improvement
  - a. Recognize own errors and shortcomings in patient management (under faculty guidance) and identify online and/or written resources to improve knowledge and management skill for these problems.
  - b. Become efficient in documentation of significant events in EPIC.
4. Interpersonal and Communication Skills
  - a. Interact respectfully with patients, staff, and families.
  - b. Work effectively with the surgical team, communicating information and change in patient condition accurately and promptly to senior residents and/or staff.
  - c. Become efficient in documentation of significant events in EPIC.
  - d. Learn to sign out patients to day interns accurately and succinctly.
5. Professionalism
  - a. Be sensitive and respectful to patients, staff, and families.
  - b. Complete required documentation promptly and accurately.
  - c. Learn and practice ethical principles in patient care, including assessing patient competence, obtaining valid informed consent, respecting patient autonomy, displaying honesty and integrity in all interactions.
  - d. Display cultural sensitivity in dealing with patients and staff.

## 6. Systems-based Practice

- a. Understand and utilize clinical pathways, practice guidelines, and evidence-based care.
- b. Learn to practice efficient cost-effective care without sacrificing quality of care.
- c. Work effectively as part of a multidisciplinary team.

### **Objectives:**

#### 1. Medical Knowledge

- a. List the differential diagnosis of the following presenting complaints/problems:
  - i. Abdominal distention
  - ii. Acute abdominal pain
  - iii. Altered mental status (delirium, somnolence, coma)
  - iv. Anuria
  - v. Chest pain
  - vi. Dyspnea
  - vii. Fever
  - viii. Hypotension
  - ix. Hypoxia
  - x. Nausea
  - xi. Oliguria
  - xii. Tachycardia
  - xiii. Vomiting
- b. Understand the manifestations, etiology, and appropriate management of the following problems:
  - i. Alcohol or drug withdrawal
  - ii. Bleeding (wound, GI tract)
  - iii. Coagulopathy
  - iv. Cold leg
  - v. Diabetic ketoacidosis
  - vi. DVT prophylaxis; anticoagulation management
  - vii. Dysrhythmias (as covered in ACLS)
  - viii. Hyperglycemia
  - ix. Hyperkalemia
  - x. Hypertension
  - xi. Hypoglycemia
  - xii. Hypoventilation
  - xiii. Pneumonia
  - xiv. Pneumothorax
  - xv. Postoperative pain
  - xvi. Seizures
  - xvii. Transfusion reaction
  - xviii. Wound dehiscence
  - xix. Wound hematoma or seroma

2. Patient Care
  - a. For each complaint in 1a above, describe the evaluation methods you would use to arrive at the appropriate diagnosis and describe the most appropriate management.
  - b. When appropriate, demonstrate basic skills in venipuncture, Foley and nasogastric placement, arterial puncture, placement and removal of central venous catheters, placement and removal of tube thoracostomy.
  - c. Demonstrate ability to achieve adequate pain control in postoperative patients.
  - d. Demonstrate ability to manage effectively the problems listed in 1b above.
3. Practice-based Learning and Improvement
  - a. Using appropriate medical literature (online or print), explain why specific management of a patient was suboptimal and suggest improved ways of managing the problem when it is seen again.
4. Interpersonal and Communication Skills
  - a. Demonstrate consistently respectful methods of communication with patients, staff, and families.
  - b. Demonstrate ability to work effectively with the surgical team, communicating information and change in patient condition accurately and promptly to senior residents and/or staff.
  - c. Demonstrate efficient documentation of significant events in EPIC.
  - d. Demonstrate accurate and succinct sign out of patients to day interns.
5. Professionalism
  - a. Demonstrate sensitivity and respect to patients, staff, and families.
  - b. Demonstrate prompt, accurate documentation in EPIC.
  - c. Demonstrate adherence to ethical principles at all times.
6. Systems-based Practice
  - a. Demonstrate use of appropriate practice guidelines, clinical pathways, and evidence-based care.
  - b. Display ability to choose cost-effective management options without sacrifice of quality of care.
  - c. Show ability to work smoothly with multidisciplinary teams including nurses, mid-level providers, pharmacists, physical therapists, dietitians, technicians, case management personnel.

**Teaching and Evaluation:**

Resident will meet at 6:00 am Monday through Saturday with Blue, Green, and Gold PGY-1 residents and the faculty member of the week to review problems encountered and their management. Evaluation will include an end-of-rotation 10 case open-book patient management test as well as evaluations by the faculty for the month.

**References:**

1. SCORE curriculum reference under subject "Perioperative Management"; derived from Jeffrey Norton's Surgery: Basic Science and Clinical Evidence, Chapter 17 by Dr. Philip Barie.
2. Lefor, Alan T. Surgery on Call. 4<sup>th</sup> ed., McGraw-Hill, 2006.