

## **INTERN GOALS AND OBJECTIVES:**

Loma Linda ACS Service will provide a learning environment for the care and management of acute care surgery and trauma patients. Surgical basic science, including fluid and electrolytes, wound healing, nutrition and postoperative management, will be emphasized. Clinically, residents will assess the patients in the Emergency Department and on the floor for acute surgical problems and injuries, develop clinical judgment on managing these issues, and learn operative skills to address the problem. Careful postoperative and post-trauma care and follow up will be emphasized. Residents will develop cognitive and technical skills in dealing with complex, acutely ill patients.

### **Objectives:**

#### **Medical Knowledge**

1. Know the Trauma Activation Criteria (PDF in folder)
2. Cardiorespiratory Resuscitation (review <https://acls-algorithms.com/acls-algorithm-overview/>)
3. Describe the management of shock
4. Describe the initial management and resuscitation of a trauma patient
5. Discuss various aspects of Trauma Prevention and Intervention
6. Discuss post-operative and post-trauma need for rehabilitation
7. Summarize basic critical care management principles
8. Describe the diagnosis and management of the patient with an acute abdomen according to the specific etiology
9. Evaluate and treat soft tissue infections and discuss management of subsequent wounds
10. Describe the clinical presentation of a patient with abscesses, biliary disease, bowel obstructions, diverticulitis, appendicitis, hemorrhoids and fissures
11. Describe the risks associated with appendectomy, cholecystectomy and I/D of abscesses including postoperative complications
12. Develop an understanding of the principles of pre and post-surgical operative care for patients on the Acute Care Surgery Service
13. Fundamentals of surgical nutrition including nutrition evaluation as well as routes of access, TPN, enteral nutrition and nutritional supplements
14. Discuss venous thromboembolism prophylaxis and management of deep venous thrombosis or pulmonary embolism
15. List etiologies of persistent high NGT output in the postoperative patient or patients with small bowel obstruction
16. List the etiologies for small bowel obstructions and ileus
17. List the causes of mesenteric ischemia
18. Discuss electrolyte management
19. Describe the management of glucose in the diabetic patient
20. Discuss the assessment of nausea or vomiting
21. Discuss the workup of fever
22. Discuss the workup and management of atrial fibrillation

23. Discuss the workup of chest pain
24. Discuss the management of low urine output and management of acute kidney injury
25. Discuss the workup and management of respiratory distress on the floor
26. Discuss the management of substance withdrawal
27. Discuss wound care management in the emergency department and other settings, including management of drains and tubes inserted into various body cavities
28. Discuss chest tube management
29. Be able to apply and remove all type of dressings
30. Demonstrate ability to interpret radiographic findings, EKGs, laboratory data, and intravascular and intra-cranial monitoring systems

### **Procedural**

Knot tying

Suturing

Sterile preparation and draping

Wound management

Wound debridement

### **Patient Care:**

Establish basic proficiency in providing pre-operative and post-operative care (writes appropriate pre-op and post-op orders for floor patients, handles nursing calls appropriately, and manages most routine post-operative care with minimal intervention by supervisor)

Takes an appropriate history to evaluate patients with general surgical issues to include:

- a. A complete history of present illness
- b. Presence of any co-morbidities
- c. A review of social and family history impacting the present problem
- d. A complete review of systems

Demonstrate an increasing level of skill in the physical examination of the surgery or trauma patient with a special emphasis in recognition of the surgical abdomen

Develop a proficiency in evaluation and interpretation of the different diagnostic modalities including: X-rays, ultrasounds, CT scans, contrast studies and MRIs.

Discuss treatment options, risks and potential complications of patients with medical and surgical issues

Assist in the performance of general surgical and trauma procedures.

### **Professionalism**

The resident should be receptive to feedback on performance, attentive to ethical issues and be involved in end-of-life discussions and decisions

Understand the importance of honesty in the doctor-patient relationship and other medical interactions

Treat each patient, regardless of social or other circumstances, with the same degree of respect you would afford to your own family members

Learn how to participate in discussions and become effective part of rounds, attending staff conference, etc

Complete all assigned patient care tasks for which you are responsible or provide complete sign out to the on-call resident

Maintain a presentable appearance that sets the standard for the hospital this includes but is not limited to adequate hygiene and appropriate dress.

Demonstrate mentoring and positive role-modeling skills

### **Systems-Based Practice**

Understand, review, and contribute to the refinement of clinical pathways

Understand the cost implications of medical decision-making

Partner with health care management to facilitate resource efficient utilization of the hospital resources

Describe in general terms the benefits of clinical pathway implementation

Develop a cost-effective attitude toward patient management

Develop an appreciation for the benefits of a multi-disciplinary approach to management of critically ill surgical patients

Comply with the Health Insurance Portability and Accountability Act of 1996 (HIPAA) regulations regarding patient privacy and confidentiality.

### **Practice Based Learning and Improvement**

Demonstrate the ability to

- Evaluate published literature in critically acclaimed journals and texts

- Apply clinical trials data to patient management

- Participate in academic and clinic discussions

Accept responsibility for all dimensions of routine patient management on the wards

Apply knowledge of scientific data and best practices to the care of the surgical patient

Facilitate learning of medical students and physician assistant students on the team

Use the LLUMC library and database on-line resources to obtain up to date information and review recent advance in the care of the surgical patient

Demonstrate a consistent pattern of responsible patient care and application of new knowledge to patient management

Demonstrate a command and facility with online educational tools

### **Interpersonal and Communication Skills**

Work as effective team members

Cultivate a culture of mutual respect with members of nursing, support staff, and other specialties

Develop patterns of frequent and accurate communication with team members and attending staff

Gain and appreciation for both verbal and non verbal communication from patients and staff

Demonstrate consistent respectful interactions with members of nursing and support staff

Demonstrate consistent, accurate and timely communication with members of the surgical team

Demonstrate sensitivity and thoughtfulness to patient concerns and anxieties

The resident will demonstrate the ability to provide and request appropriate consultation from other medical specialists

