

Stanford University General Surgery Residency Program
Trauma/Acute Care Surgery Goals and Objectives for R4 & R5
Rotation Director: Ronald Jou

Introduction

TRAUMA / GENERAL SURGERY service at Santa Clara Valley Medical Centers offers a broad, population-based experience of trauma and general surgery patients.

- Lead a team to provide comprehensive care for the broad spectrum of surgical patients.
- Supervise the evaluation and management of common and complex surgical problems.
- Learn how to ensure high quality surgical care provided by all members of the team.
- Coordinate optimal discharge or transfer of patients across the spectrum of care.
- Participate in performance improvement efforts.
- Develop skills for teaching other trainees
- Learn skills for self-directed evaluation and learning.
- Promote a healthy working environment and learn how to address issues in other team members.
- Develop skills for effectively managing difficult interpersonal situations.
- Develop skills for managing difficult clinical situations.
- Become competent in performing all general surgical procedures.

Objectives

- Complete and modify service schedules in accordance with all applicable rules and guidelines.
- Supervise "sign-out" reports given by junior house staff to ensure clarity and accuracy.
- Supervise morning report.
- Supervise morning rounds and formulate a comprehensive treatment plan for each patient on service.
- Delegate appropriate clinical tasks to team members.
- Verify completion and documentation of treatment plan for all service patients.

- Provide teaching to junior residents and medical students.
- Communicate directly and effectively with staff surgeons.
- Supervise all clinical evaluation and management by junior house staff.
- Participate in multidisciplinary tumor boards and family meetings.
- Facilitate and attend weekly M&M and radiology conference, attend bi-weekly GI conference, facilitate GI conference on fourth Tuesday.
- Perform operations with staff surgeons and junior residents; guide junior residents through basic operations.
- Manage conflict among care providers.
- Recognize and address professionalism issues in other members of the team.
- Maintain standards for fitness for duty for all team members.

Key Conferences

Morbidity & Mortality: All surgical complications for the week are reviewed, and an additional didactics will be assigned. Chief resident in consultation with one of the site directors related to one of the complications. Throughout the year, there are procedural conferences presented by other services (e.g., Respiratory care in-service on the alternative modes of mechanical ventilation).

Radiology Conference: All films of interest for the previous week are reviewed in a conference with attending radiology staff giving the residents exposure to plain film, ultrasound, MRI and CT interpretation skills to aid with critical surgical decision making based on radiographic findings.

Solid Tumor Board: All cases of histologically confirmed malignancy are reviewed in a multidisciplinary conference to coordinate care based on the stage and type of malignancy. The conference improves communication skills among consultants and exposes residents to the staging criteria and treatment modalities and standards for various malignancies.

Conferences

Surgical residents are required to attend the Trauma Performance Improvement & Patient Safety Conferences (TPIPSC) on fourth Thursday when we have an educational presentation related to trauma. Some topics are presented by attendings from other disciplines within the medical center and others involve an outside invited speaker. Trauma cases related to the topic presented by the residents involved or attending staff. Attendance at the non-educational TPIPSC on the second Thursday is optional for residents.

Multidisciplinary GI Conference: Meets every other week and involves case presentations of patients that have overlapping GI and General Surgery issues with a related didactic lecture presented by GI half the time and General Surgery the other half the time.

The resident team is paired with an attending of the week for morning report and morning rounds, who provides direct supervision of patient care, teaching on rounds, and feedback on an individual basis. The R4 and/or R5 supervises evening sign-out information and tasks are passed to a night float resident. Each night, either the R4 or R5 is available from home and is expected to provide support for the in-house intern and resident if needed. They will be called in for emergent surgical or trauma cases. The R-4/R-5 will coordinate patient care activities with PAs who are under the supervision of the attending surgeon.

Residents are evaluated in the Six Core Competencies (Medical Knowledge, Patient Care, Interpersonal Communication, Professionalism, Practiced Based Learning and Systems Based Practice) using specific web-based evaluation forms. Attendings meet weekly and discuss resident performance on an individual basis at the Division meeting on Tuesday mornings. At this meeting an individual resident is identified as needing individual guidance an attending is assigned to provide direct feedback and active guidance. The final evaluation is the standardized web based evaluation (<https://stanford.medhub.com>) and comprises a variety of weekly evaluations by all members of the staff who have had adequate contact with the resident. The final evaluation is meant to reflect the level of ability of the resident as well as their ability to grow and develop from the guidance provided. A list of core competencies with rotation objectives, instructional activities, and evaluations is below.

Specific goals and objectives for residents

Six Core Competencies	R4 & R5 OBJECTIVES	INSTRUCTIONAL ACTIVITIES	EVALUATION
-----------------------	--------------------	--------------------------	------------

<p>edge: ure and apply dge of hed and g basic and clinical s that relate to tice of adult care and l disease states</p>	<p>Knows and applies the basic and clinical sciences appropriate to the practice of Surgical Care such as physiology, pathophysiology, pharmacology, and disease processes. Demonstrates an investigatory and analytic approach to patients with injury and general surgery illnesses. Prioritizes patient's disease related states, issues and designs a care plan accordingly, anticipates potential complications and prevention</p>	<p>Teaching by attending faculty. Educational conferences in trauma, general surgery. Independent reading</p>	<p>Regular feedback by attending and Rotational evaluation by each Trauma/Acute Care attending (https://stanford.m)</p>
<p>Care: /ide sionate, iate, and e critical care is.</p>	<p>Adequate assessment of ill and injured surgical patients including:</p> <ul style="list-style-type: none"> ● Physical exam and history ● Evaluation of appropriate laboratory data and imaging results ● Development of comprehensive treatment plan <p>Manage complex physiologic derangements such as shock, respiratory compromise, sepsis, and renal failure.</p>	<p>Daily rounds with the Trauma/General Surgery Team Participation in clinic Participation in radiology, pathology and tumor board conferences. Pre-operative and intra-operative teaching</p>	<p>Regular feedback by attending and Rotational evaluation by each Trauma/Acute Care attending (https://stanford.m)</p>

GOALS Core Competencies	R4 & R5 OBJECTIVES	INSTRUCTIONAL ACTIVITIES	EVALUATION
<p>Effective Interpersonal and Communication skills: Residents must communicate in a way that leads to effective information exchange of a critical situation to patients, their families, and professional associates.</p>	<p>Provide family members an update of patient's condition. Discusses appropriate perioperative concerns with team & consultants. Works effectively with team members (attending, interns and PAs) to communicate care plan.</p>	<p>Daily rounds with the Trauma/General Surgery Team Participation in multidisciplinary family conferences</p>	<p>Regular feedback from attendings and Rotation evaluations each Trauma/Acute Care Surgery attending (https://stanford.edu)</p>
<p>Evidence based learning and improvement: In order to improve patient care outcomes, residents must be able to critically evaluate their own performance as well as appraise and incorporate clinical scientific evidence.</p>	<p>Identify impact of complications on recovery of patients Use information technology to assimilate current medical literature as it relates to patient care Learns attention to detail in surgical patients</p>	<p>Daily rounds with the Trauma/General Surgery Team Weekly Morbidity and Mortality Conference, Monthly Trauma Performance improvement & Patient Safety Conference.</p>	<p>Regular feedback from attendings and Rotation evaluations each Trauma/Acute Care Surgery attending (https://stanford.edu)</p>
<p>Professionalism: Residents must show a commitment to professional responsibilities, adherence to ethical principles, and sensitivity</p>	<p>Displays appropriate demeanor, even in adverse or stressful situations Acts with sensitivity and responsiveness to patient's culture, age, gender, and disabilities</p>	<p>Daily rounds with the Trauma/General Surgery Team</p>	<p>Regular feedback from attendings and Rotation evaluations each Trauma/Acute Care Surgery attending (https://stanford.edu)</p>

to diversity.	Maintains accountability to patients, medical profession, and society. Obtains proper consent and confirm advanced directives, if present. Becomes life long learner		
---------------	--	--	--

S ompetencies	R-4 OBJECTIVES	INSTRUCTIONAL ACTIVITIES	EVALUATION
is-based Practice: ent must be able to strate an awareness eponsiveness to em of health care ability to rely call on system es to provide care.	Act as an organizational problem solver for patients Understands how care for patients and enables the hospital to deliver a wide range of patient care. Understands how care practice affects staffing and health care costs	Daily rounds with the Trauma/General Surgery Team Feedback from sentinel event processes and education on best practice protocols in place in Valley Medical Center	Regular feedback to attending and Rotational evaluation by each Trauma/Acute Care attending (https://stanford.m)