Surgery Resident Goals, Objective and Responsibilities
Via-Christi St. Francis Campus
Trauma & Critical Care Rotation

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General Goals and Objectives

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 are expected to:

- Communicate effectively and demonstrate caring and respectful behaviors when interacting with patients and their families.
- Gather essential and accurate information about their patients.
- Make informed decisions about diagnostic and therapeutic interventions based on patients' information and preferences, up-to-date scientific evidence, and clinical judgment.
- Develop and carry out patient management plans.
- Counsel and educate patients and their families.
- Use information technology to support patient care decisions and patient education.
- Perform competently all medical and invasive procedures considered essential for the area of practice.
- Provide health care services aimed at preventing health problems or maintaining health.
- Work with health care professionals, including those from other disciplines, to provide patient-focused care.

Medical Knowledge
Residents must demonstrate knowledge about established and evolving biomedical, clinical, and cognate (e.g. epidemiological and social-behavioral) sciences and the application of this knowledge to patient care. Residents are expected to:

- Demonstrate an investigatory and analytic thinking approach to clinical situations.
- Know and apply the basic and clinically supportive sciences which are appropriate to their discipline.

Practice-Based Learning and Improvement
Residents must be able to investigate and evaluate their patient care practices, appraise and assimilate scientific evidence, and improve their patient care practices. Residents are expected to:

- Analyze practice experience and perform practice-based improvement activities using a systematic methodology.
- Locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems.
- Obtain and use information about their own population of patients and the larger population from which their patients are drawn.
- Apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness.
- Use information technology to manage information, access on-line medical information; and support their own education.
- Facilitate the learning of students and other health care professionals.

Interpersonal and Communication Skills
Residents must be able to demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their patients' families, and professional associates. Residents are expected to:

- Create and sustain a therapeutic and ethically sound relationship with patients.
- Use effective listening skills and elicit and provide information using effective nonverbal, explanatory, questioning and writing skills.
- Work effectively with others as a member or leader of a health care team or other professional group.
**Professionalism**
Residents must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population. Residents are expected to:

- Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society which supersedes self-interest; accountability to patients, society, and the profession; and a commitment to excellence and on-going professional development
- Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality or patient information informed consent, and business practices
- Demonstrate sensitivity and responsiveness to patients’ culture, age, gender, and disabilities

**Systems-Based Practice**
Residents must demonstrate and awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value. Residents are expected to:

- Understand how their patient care and other professional practices affect other health care professionals, the health care organization, and the larger society and how these elements of the system affect their own practice
- Know how types of medical practice and delivery systems differ from one another, including methods of controlling health care costs and allocating resources
- Practice cost-effective health care and resource allocation that does not compromise quality of care
- Advocate for quality patient care and assist patient in dealing with system complexities
- Know how to partner with health care managers and health care providers to assess, coordinate, and improve health care and know how these activities can affect system performance

**Specific Goals, Objectives & Responsibilities**

**Internship**
- Resident will become familiar with and proficient with the primary and secondary survey techniques of the acutely injured patient.
- Residents will become proficient in performing the FAST exam for trauma as well as interpreting radiographic studies commonly used in evaluation of trauma patients.
- Residents will learn the importance of the multidisciplinary approach to trauma patients. Members of the multidisciplinary team include other surgical specialists, nurses, respiratory therapists, social workers, rehabilitation physicians, speech, occupational and physical rehabilitation specialists and ancillary personnel.
- Interns will learn the appropriate techniques of postoperative follow up of patients on an outpatient basis and experience the trauma outpatient clinic.

**Second year residents**
- Residents will become proficient in the basic initial management of the trauma patient to include primary and secondary survey, procedural adjuncts to include placement of invasive lines and chest tube, intracranial pressure monitoring devices, as well as invasive monitoring lines including arterial lines, central lines, and Swan-Ganz catheters.
- Second year residents will learn the basic principles of critical care of the acutely injured patient. This will include not only the placement of invasive lines but the appropriate management of the data acquired from such lines, basic ventilatory management, resuscitation and hemodynamic stabilization, nutritional and critical care support, optimal management of traumatic brain and spinal cord injuries including the interpretation of data acquired via invasive intracranial pressure monitoring devices and treatment of algorithms.
- Residents will learn basic surgical techniques and operative therapy to include thoracic and intra-abdominal procedures as well as bed side procedures to include percutaneous tracheostomy, endoscopy, bronchoscopy, and placement of enteral access.
Fourth year residents

- As chief, residents will learn the concept of managing a surgical team and directing surgical management to include resuscitation and critical care of critically injured patients.
- Residents will learn advanced operative techniques to include major intra-thoracic surgery, major intra-abdominal surgery to include intraoperative resuscitation and damage control techniques, and major vascular surgery for reconstruction of traumatic injuries.
- Residents will achieve core competencies at the intern level and will have mastered and be competent to teach core competencies at the first and second year to include overseeing and management of junior level resuscitation of patients including primary and secondary survey and initial resuscitation and treatment as well as evaluation, supervision and evaluation of review of basic trauma data and radiographic studies and to be able to teach and supervise FAST exam at the junior and medical student level.
- Be fully competent in critical care techniques to be able to supervise and manage advanced ICU care and overall planning of patient management in the severely injured/critical care trauma patients requiring critical care.

Fifth year residents

- As chief, residents will learn the concept of managing a surgical team and directing surgical management to include resuscitation and critical care of critically injured patients.
- Residents will learn advanced operative techniques to include major intra-thoracic surgery, major intra-abdominal surgery to include intraoperative resuscitation and damage control techniques, and major vascular surgery for reconstruction of traumatic injuries.
- Residents will achieve core competencies at the intern level and will have mastered and be competent to teach core competencies at the first and second year to include overseeing and management of junior level resuscitation of patients including primary and secondary survey and initial resuscitation and treatment as well as evaluation, supervision and evaluation of review of basic trauma data and radiographic studies and to be able to teach and supervise FAST exam at the junior and medical student level.
- Be fully competent in critical care techniques to be able to supervise and manage advanced ICU care and overall planning of patient management in the severely injured/critical care trauma patients requiring critical care.