

SURG8008

Advanced Cardiothoracic Surg

Course Goals

1. Develop the attitude, skills, and knowledge to be able to recognize the impact of the global and local health care system and its impact on patient outcomes.
 2. Develop the attitude, skills, and knowledge to be prepared for an internship in cardiothoracic surgery.
 3. Develop the attitude, skills, and knowledge to communicate complex medical and personal information with patients, families, and all members of the health care team.
 4. Develop the attitude, skills, and knowledge necessary to exemplify the highest level of professionalism both in typical daily activities of a cardiothoracic surgery intern and during times of stress and high patient volumes.
 5. Develop the attitudes and skills necessary for self-reflection that leads to improvement in practice.
 6. Develop the attitude, skills, and knowledge necessary to use evidence-based medicine in clinical decision-making.
 7. Develop the attitude, skills, and knowledge to better understand the pathophysiology of surgical disease and how the pathophysiology relates to the clinical presentation and treatment of cardiothoracic surgical patients.
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Clinical Learning Objectives

Clinical

Interpersonal and Communication Skills

1. Identify when to use an interpreter.
2. Demonstrate collaborative decision-making with patients.
3. Demonstrate effective communication with other physicians and health care providers.
4. Utilize the EMR to obtain and document relevant patient information.

Interprofessional Collaboration

1. Interact with relevant surgical and medical consults to form an appropriate medical plan during the post-operative period.

Medical Knowledge for Practice

1. Explain the evaluation and management of common cardiothoracic surgical conditions in adult patients.
2. Explain the pathophysiology of cardiothoracic surgical disease and how the pathophysiology relates to the clinical presentation and treatment of surgical patients.

Patient Care

1. Practice caring for a volume of patients similar to that of an intern in cardiothoracic surgery.
2. Participate in and describe the limitations of the sign-out/hand-off process.
3. Develop an early-manager level plan for newly admitted patients.
4. Recognize the implications for surgical intervention versus watchful management in patients with acute and/or chronic disorders.
5. Develop an appropriate plan for post-operative patients.
6. Interact with medical cardiologists to form long-term medical plans.
7. Demonstrate responsibility for obtaining and reporting all data relevant to patient care without the assistance of house staff.
8. Participate in the cross-coverage process as it pertains to cardiothoracic surgery.

Personal and Professional Development

1. Actively seek out feedback based on recognized deficiency in clinical performance.
2. Demonstrate receptiveness to feedback about clinical performance and changes practice based on this input.

Practice-Based Learning and Improvement

1. Offer solutions to systems-based problems identified during rotation.

Professionalism

1. Demonstrate a level of professionalism when working the number of hours of a resident in cardiothoracic surgery.

Didactic Learning Objectives

Mid-Point Feedback

1. Discuss an example utilizing feedback; the circumstances regarding the situation; how the feedback and outcome changed behavior; and self-reflection surrounding the feedback.

Quality Improvement Presentation

1. Identify medical errors that are secondary to systems related problems.
2. Analyze the individual and systems factors that contributed to the medical error.
3. Identify potential system-based solutions that could prevent similar errors.