Iowa Methodist Medical Center  
Department of Surgery Education  
Resident Rotation Description

Rotation:  Cardiac Surgery, PGY-3

General Information:
1. Postgraduate year: PGY-3
2. Rotation Length: One month
3. Service Director: Ronald Grooters, M.D.
4. Attending Staff: Ronald Grooters, M.D.  
   Robert Schneider, M.D.  
   Kent Thieman, M.D.

Orientation:
The resident should meet with the service director prior to the first day of the rotation to discuss goals and objectives for the cardiac surgery rotation, and to agree on types and numbers of patients to be followed on the cardiac surgery service.

Recommended Reading List:
1. Selected cardiothoracic specific chapters from the major general surgery textbooks:
   b. Schwartz “Principles of Surgery” (current edition)

Call Schedule:
General Surgery Call Schedule

Conference Schedule:
Surgery conferences

General Objectives and Description:
During the cardiothoracic surgery rotation, the PGY-3 resident is to devote his/her full efforts to gain exposure to and become comfortable with the diagnostic and therapeutic modalities of cardiothoracic surgery.

Cognitive Objectives of the Rotation:
The PGY-3 resident should develop a BROAD understanding (able to care for all aspects of disease and provide comprehensive management) of the following diseases and conditions:
1. Pneumothorax
2. Hemothorax
3. Pleural effusion/empyema
4. Cardiac tamponade
The PGY-3 resident should develop a FOCUSED understanding (able to make the diagnosis, provide initial management/stabilization, but not expected to be able to provide comprehensive management) of the following diseases and conditions:

1. Mediastinitis
2. Chylothorax
3. Lung cancer
   a. Adenocarcinoma
   b. Undifferentiated carcinoma
   c. Small cell
   d. Large cell
4. Soft tissue sarcomas of chest wall
5. Mediastinal tumor and cysts
   a. Thymoma
   b. Teratoma
   c. Neurogenic tumor
   d. Enteric cyst
   e. Pericardial cyst
   f. Bronchogenic cyst
6. Superior vena cava syndrome
7. Tracheoinnominate fistula
8. Tracheoesophageal fistula
9. Valvular heart disease
10. Congestive heart failure
11. Endocarditis
12. Coronary artery disease
13. Cardiomyopathy
14. Pericarditis

**Technical Skills Objectives for the Rotation:**
The PGY-3 resident should achieve a progressive level of skill in assisting and performing the following procedures:

1. Bronchoscopy
2. Laryngoscopy
3. Mediastinoscopy
4. Median sternotomy
5. Pericardial window for drainage

**Outpatient Experience:**
None

**Contact Persons:**
Dr. Grooters 241-5735 office
**Evaluation:**
At the end of the rotation, the resident will be evaluated by supervising faculty. Personal feedback will be provided and a written or computer generated evaluation form will be completed and returned to the residency office. The faculty will evaluate the resident in each of the required six general competency domains. A written evaluation will be reviewed and signed by the resident and will be kept in the residents confidential file.

**COMPETENCY SPECIFIC 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:
- Meet the technical skills objectives for the rotation, as detailed above
- Perform thorough evaluation of assigned patients with cardiac surgery disorders and develop appropriate diagnosis and treatment plans
- Show appropriate pre procedure preparation and technical performance on cardiac surgery procedures as assigned

**Medical Knowledge**
Residents must demonstrate knowledge about established and evolving biomedical, clinical, and epidemiological sciences and the application of this knowledge to patient care. Residents are expected to:
- Meet the cognitive objectives for the rotation, as detailed above
- Know and apply the basic and clinically supportive sciences appropriate to the management of cardiac surgical diseases

**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:
- Demonstrate appropriate literature searches for cardiac surgery disease

**Interpersonal and Communication Skills**
Residents must be able to demonstrate interpersonal and communication skills that result in effective information exchange with patients, their patients families, and professional associates. Residents are expected to:
- Demonstrate effective therapeutic relationships with patients and families
- Present cardiac surgery patients as appropriate to the morbidity and mortality conference
**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:
- Respect patient confidentiality
- Work effectively with the cardiology service

**Systems-Based Practice**
Residents must demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide optimal care of patients with cardiac disease. Residents are expected to:
- Work effectively with the postoperative cardiac nursing staff in the cardiac care unit
- Work effectively with cardiac surgery team including the pump team, cardiac nurses, and cardiac anesthesiologist