**Pediatric Cardiac Critical Care Elective**

**Rotation Director:** Drs. Meg Kihlstrom & Rebecca Smith

**Other Faculty:** Faculty of the Division of Pediatric Critical Care Medicine, Division of Pediatric Cardiology, Division of Pediatric Cardiothoracic Surgery and Division of Pediatric Cardiac Anesthesia

**General objectives of the elective:**

This elective is designed for the resident who is interested in a further detailed understanding of the complete care of the neonatal and pediatric patient with complex congenital heart disease. Residents participating in this elective will gain a complete understanding of the diagnostic evaluation and treatment of the patient with congenital heart disease—including, but not limited to, the pre-operative and post-operative management of patients undergoing corrective and palliative repair of their congenital heart lesion.

**Specific Goals of the Rotation:**

- Understand diagnosis and evaluation of a neonate or pediatric patient with suspected congenital heart disease.
- Understand the role of cardiac catheterization in the diagnosis and treatment of pediatric congenital heart disease
- Understand the pre-operative pathophysiology and management of complex congenital heart lesions
- Understand of the anesthetic & intraoperative surgical management and repair of congenital heart lesions
- Understand of unique post-op management issues in congenital heart disease

**How these objectives will be obtained:**

- Will be an active member of the ICU team in managing post op cardiac patients on a daily basis
  - Attendance at CT surgery rounds daily (7am M-Th, 6:45am F)
  - Attend CT surgery weekly pre-op conference (M – 3-5pm – cardiac cath conf room)
- Participate in the post op management in the Intensive Care Unit of patients after undergoing cardiac surgery.
- Direct observation of cardiac surgical repair cases with the cardiothoracic surgeon
  - Will be arranged at Monday CT surg conference
- Participate in neonatal consults of newly diagnosed congenital heart disease
  - Will communicate with primary inpatient cardiologist daily about pending consults
- Direct observation of cardiac catheterization cases with pediatric cardiology interventionalists
  - Will be arranged at Monday CT surg conference
- Direct observation of live echocardiograms performed by experienced pediatric cardiologists and pediatric cardiac sonographers
- Develop and present a Wednesday resident lecture about a cardiac patient or issue in the PICU that month

**Evaluation**

Rotation supervisors, Drs. Meg Kihlstrom & Rebecca Smith, will perform end-of-rotation evaluations. Evaluations will be based on the residents understanding of the diagnoses, evaluation and management of patients with congenital heart disease as determined by discussion of cases and care of patients seen on the service, and participation in surgeries, cardiac catheterizations, and ECHOs.

In addition, the resident will be evaluated on the demonstration of the values of professionalism, including placing the needs of patients first, maintaining a commitment to scholarship, and helping colleagues. This will be determined through feedback received from the attendings rotating on the service.