Rotation Director: Drs. Meg Kihlstrom & Rebecca Smith

Other Faculty: Faculty of the Division of Pediatric Critical Care Medicine

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 within the Pediatric Intensive Care Unit (PICU). Residents participating in this elective will gain a complete understanding of the diagnostic evaluation and treatment of the patient with congenital heart disease, sepsis, respiratory failure, traumatic brain injury, and other common medical illnesses within the PICU.

Specific Goals of the Rotation:

- To understand how to diagnose and evaluation common conditions in the PICU
- To gain an understanding of ventilator and blood pressure management
- To develop procedural skills (intubations, arterial lines, central lines, etc) common in the PICU
- To hone airway skills including bag-valve masking and intubation

How these objectives will be obtained:

- The first week or two (depending on vacation time) will be used for observation of fellow duties and learning the patient care flow and fellow roles.
- After the first 1-2 weeks, will function as PICU 2 fellow for a week:
  - PICU 2 fellow: Coordinate bed management (so be present at 7:30am board rounds), holds phone/pager during rounds, does AM procedures while P1 rounding, attends rapid responses, does consults (burn unit) and follows up rapid responses from prior shift, chalk talk for PICU residents on Monday, completes 1 mock code, selects interesting patients for Ethics talks or Wednesday patient care conference. Also, supplements information or clinical questions on rounds with teaching sessions and articles.
  - For the final week, will act as PICU 1 and be an active member of the ICU team in daily rounds:
    - PICU 1 fellow: presents board in AM, rounds with team, primary decision-maker on rounds, completes daily goal sheets, follows up on plan of the day, goes to cardiac cath conference (Mon, 3:30PM, cath conf room) & chronic care rounds (Thur, 3:30PM, PICU conf room), signs out to PM fellow.
- We suggest 1 call per week with a senior fellow for the opportunity for additional procedures and individualized education/management of common PICU conditions. We will not enforce this requirement, as it will be up to the resident to determine if this will benefit their education. If work hours prohibit call, it would be acceptable to do a 12-hour night shift instead to get the benefit of senior fellow teaching and increased opportunities for procedures.

Evaluation

Rotation supervisors, Drs. Meg Kihlstrom & Rebecca Smith, will perform end-of-rotation evaluations. Evaluations will be based on the residents understanding of the common diagnoses and management on rounds, consultations for the burn unit, management of pediatric rapid responses, and educational opportunities for the team.

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.