

## ROTATION DESCRIPTION

**ROTATION TITLE:** Pediatric Critical Care (PICU)

**SITE DESCRIPTION** (common diseases states treated, patient demographics, etc):

**Age range:** 1 day to 18+ years

**Disease states:** respiratory distress/failure; sepsis; shock; cardiomyopathies; burns; traumas; postoperative pediatric, neurosurgical, orthopedic, plastic, and transplant patients; diabetic ketoacidosis; extracorporeal membranous oxygenation (ECMO); moderate sedation for procedures (bone marrow aspirates, liver and kidney biopsies, bronchoscopies, endoscopies, ventriculostomies, central venous access placements); overdoses; ingestions; poisonings; and bone marrow transplants.

**ROTATION PRECEPTOR(S):**

- Jill Thompson, Pharm.D., BCPS
- Don Wiest, Pharm.D., BCPS

**ROTATION RESPONSIBILITIES:**

The primary objective is to provide comprehensive clinical pharmacy services to the patients in the PICU. This includes:

- Understanding the basic pathophysiology of the disease states
- Knowing the pharmacology of each drug used
- Knowing the indication for each drug used
- Appropriately monitoring each drug for safety and efficacy
- Insuring appropriate dosing of each drug based on patient weight, renal and/or hepatic function, and clinical status
- Providing pharmacokinetic consultations for monitorable drugs when necessary
- Ordering appropriate lab parameters when necessary
- Assuming the primary responsibility for ordering parenteral nutrition support
- Interact and effectively communicate with the members of the PICU Multidisciplinary Team
- Assume an active role as a member of the PICU Multidisciplinary Team
- Assist with the preparation and dispensing of medications in medical emergencies, pediatric maydays, and moderate sedation for procedures
- Attend lectures and teaching sessions with the PICU Team
- Document significant interventions in CliniTrend
- Write notes in the "Progress Note" section of the medical charts when appropriate
- Report Medication Adverse Drug Reactions and Medication Occurrence Reports
- Provide drug information, either written or verbal, upon request
- Review the current literature based upon the patient population

**ACTIVITIES:**

## Expected hours

- Rounds begin around 8:00 AM. Arrive early enough to have pre-rounded on the patients and be prepared for rounds before they begin.
- Checkout rounds are at 4:00 PM. The resident may leave after checkout rounds when all the work is done and no issues need to be addressed.

## Required meetings

- Pediatric Journal Club

## Required presentations

- Critical review of an article for pediatric journal club
- Topic presentation for PICU service

## Required readings

- A packet of reading material will be provided.
- Literature relevant to the disease states and therapies for the PICU patients

**METHOD OF EVALUATION:**

Evaluation of residents will be based on the Resident Learning System. The RPD will identify the specific goals and objectives on which the resident will be evaluated and will give the evaluation form to the preceptor and resident by the first day of the rotation. The individualized evaluation tool will be reviewed by the resident and preceptor to guide the learning experiences of the resident within the scope of the service and required patient care. MONTHLY RLS WILL BE ATTACHED.