The rotation in pediatric emergency medicine is intended to develop the resident’s clinical skills, enhance the fund of knowledge in the evaluation and management of infants, children and adolescents presenting with an acute illness or injury, and to teach and practice evidence based and finally centered care.

PART I: PATIENT CARE AND MEDICAL KNOWLEDGE

GOAL: Understand the basic principles of emergency medical services for children and how to rapidly assess, resuscitate and stabilize a critically ill or injured child in the emergency department setting. Understand how to evaluate and manage common signs and symptoms in children presenting to an emergency department and how to manage common illness and injuries that present emergently.

OBJECTIVES:

1. Perform an appropriate problem-oriented history and physical examination.
2. Formulate a differential diagnosis, with appropriate prioritization, recognizing patients with possible life-threatening conditions such as shock, respiratory failure, sepsis and anaphylaxis.
3. Formulate and carry out a plan for assessment and management based on evidence based guidelines and pathways developed for specific reasons such as gastroenteritis, bronchiolitis and fever.
4. Make decisions regarding discharge from the ED, floor or ICU admission or transfer to another facility including timing with respect to the condition of the patient, appropriate mode of transport and communication between facilities and departments.
5. Demonstrate proficiency in bag-valve-mask ventilation and intubation in patient encounters.
6. Demonstrate proficiency in but not limited to suturing and wound care, acute pain management and conscious sedation, peripheral vein cannulation and lumbar puncture by actual patient encounter.
7. Understand, recognize and discuss treatment of common illnesses and injuries that present emergently such as otitis media, asthma, skin infections, abscess, sickle cell disease, epistaxis and gait disturbances.
8. Understand, recognize and discuss treatment of common signs and symptoms that present emergently such as fever, difficulty breathing, abdominal pain, limp, rash, depression and headache.
9. Understand how to use and interpret laboratory, imaging and other commonly used diagnostic procedures in the emergency setting.
10. Works well within a team and together with that team helps to educate and counsel patients and families.
PART II: INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: Understand and demonstrate effective communication and interpersonal skills with parents, patients and professional associates.

OBJECTIVES:

1. Create and sustain a therapeutic and ethically sound relationship with patients and their family throughout the emergency department encounter.
2. Use effective listening skills and elicit and provide information using effective nonverbal, explanatory, questioning and writing skills.
3. Understand how to provide sensitive support to patients and families in the acute management of children and adolescents, and arrange for on-going support and/or preventive services if needed.
4. Use consultants appropriately and communicate effectively with them.
5. Communicate effectively in writing and by phone with referring and primary physician as indicated.
6. Consistently maintain accurate, timely and legally appropriate medical records.

PART III: PROFESSIONALISM

GOAL: Understand and demonstrate commitment to carrying out professional responsibilities, adherence to ethical principles and sensitivity to a diverse patient population.

OBJECTIVES:

1. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society that supersedes self-interest; accountability to patients, society and the profession; and a commitment to excellence and on-going professional development.
2. Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent and business practices.
3. Demonstrate sensitivity and responsiveness to patient’s culture, age, gender and disabilities.

PART IV: SYSTEMS BASED PRACTICE

GOAL: 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 care that is of optimal value.
OBJECTIVES:

1. Practice cost-effective health care and resource allocation that does not compromise quality of care.
2. Advocate for quality patient care and assist patients in dealing with system complexities.

PART V: TEACHING METHODS:

1. Bedside, one-on-one teaching by emergency department staff which includes attending staff and hospital based pediatricians.
2. Internet or software based materials e.g Toxicology, Pubmed, Uptodate
3. Clinical guidelines and pathways for some of the common pediatric illnesses.
4. Bedside teaching of procedures including IV placement, lumbar puncture and simple bladder catheterization
5. Core curriculum emergency topics will be given as part of the housestaff lecture series, the topics will include but are not limited to the following:
   a. Fever
   b. Sepsis
   c. Head Injury
   d. Trauma
   e. Child abuse
   f. Gastroenteritis
   g. Abdominal pain
   h. Airway management
   i. Poisonings
   j. Headache
   k. Limp and orthopedic emergencies
   l. Pain management and conscious sedation
   m. Asthma
   n. Respiratory illnesses
   o. Meningitis
   p. Seizures