Pediatric Emergency Medicine – EM1 Rotation
Children’s Medical Center

The following goals and objectives are intended to inform each EM resident of what you should gain from your educational experience during the Pediatric Emergency Medicine EM1 Rotation at Children’s Medical Center, both clinical and didactic.

These goals and objectives are also intended to assist you in achieving competencies appropriate for the EM resident. They can be achieved through customary methods including the fulfillment of supervised clinical assignments, attendance and participation in didactic activities, and study.

Patient Care
- Demonstrate knowledge of normal developmental and physiologic changes in childhood
- Demonstrate ability to correctly perform and interpret the pediatric history and physical examination
- Demonstrate knowledge of the significance of fever in children of various ages
- Demonstrate knowledge of common immunizations and infectious diseases of childhood, including meningitis, sepsis, pneumonia, urinary tract infection, and bacteremia
- Demonstrate knowledge of the pathophysiology and manifestations of common and/or serious diseases of the gastrointestinal tract and abdominal cavity of children
- Discuss the differential and work-up of abdominal masses found in the pediatric patient
- Discuss the diagnosis and management of Reye's syndrome
- Demonstrate knowledge of pediatric neurologic disorders and shunt problems
- Calculate fluid and electrolyte requirements of a dehydrated child
- Discuss the signs, symptoms, treatment and complications of Kawasaki disease
- State the appropriate management of children with seizures, both febrile and afebrile
- Discuss the diagnostic work-up and disposition when child abuse and/or neglect is suspected
- Demonstrate knowledge of the evaluation and treatment of children with diarrheal illness
- Correctly diagnose common pediatric exanthemas including varicella, measles, monilia, roseola, rubella, pityriasis, scabies, and erythema infectiosum
- Demonstrate knowledge of the differential diagnosis and evaluation of children with petechiae
- Demonstrate correct evaluation and treatment of a child with dysuria or a suspected UTI
- Demonstrate knowledge of and treatment for phimosis, paraphimosis, balanitis, and testicular lesions including torsion
- Discuss the risk factors associated with teenage suicide
- Discuss the differential and required work-up for a pediatric patient with a limp
- Understand the variation in illnesses and ability to tolerate the stress of illness by difference in age

Medical Knowledge
- Develop skill in performance of appropriate pediatric history and physical exam
- Develop knowledge of current immunization requirements
- Learn the etiologies, significance, and treatment of fever and infection in the child
- Learn the manifestations and significance of abdominal related complaints in the child
- Learn the etiologies and treatment of neurologic emergencies in the child
- Learn the physiology and derangements of fluid and electrolyte management in children
- Learn the indications of social and/or psychological disturbances
- Learn the common dermatologic diseases and dermatologic manifestations of systemic diseases in children

Practice - Based Learning and Improvement
• Demonstrate evidence-based decision-making
• Show appropriate use of educational resources
• Effectively utilize senior residents, fellows, and faculty that supervise during this rotation for education and optimizing patient care
• Review and discuss current literature as appropriate to patient care

**Interpersonal and Communication Skills**
• Demonstrate effective information exchange with patients and their families
• Communicate the treatment plan to supervising and consulting physicians
• Communicate effectively and listen to other members of the health care team
• Answer questions and provide information in a clear and respectful manner
• Convey respect for others and display an appropriate degree of confidence

**Professionalism**
• Apply appropriate ethical practice to patient care
• Maintain patient privacy and confidentiality
• Demonstrate sensitivity and responsiveness to the culture, age, gender and disabilities of patients and their caregivers / family
• Arrive on time and complete assigned duties

**Systems - Based Practice**
• Understand basic resources available for care of the patient in the Pediatric Emergency Medicine setting
• Utilize the consultation process appropriately
• Practice cost-effective health care delivery and resource allocation that does not compromise quality of care
• Understand the organization of patient care services in the Pediatric Emergency Medicine setting
• Advocate high quality health care and assist patients in dealing with complex health care delivery systems
• Work effectively with other members of the health care delivery team to improve health care and health care system performance in the Pediatric Emergency Medicine setting

**MEMORANDUM OF SUPPORT AND UNDERSTANDING**
Between the UT Southwestern Emergency Medicine Residency Program
And the UT Southwestern Department of Pediatrics
The Department of Pediatrics at UT Southwestern and Children’s Medical Center (CMC) is pleased to support the Emergency Medicine (EM) Residency Program at UT Southwestern, and hereby agrees to provide a 4-week block rotation for each R-1 level EM resident in Pediatric Emergency Medicine at Children’s Medical Center of Dallas, with the following mutually agreed upon goals and objectives. It is understood by Emergency Medicine that the overall goal of the rotation is to provide residency training in the emergency management of pediatric disease processes and injuries.

**GOALS**
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2. Develop knowledge of current immunization requirements
3. Learn the etiologies, significance, and treatment of fever and infection in the child
4. Learn the manifestations and significance of abdominal related complaints in the child
5. Learn the etiologies and treatment of neurologic emergencies in the child
6. Learn the physiology and derangements of fluid and electrolyte management in children
7. Learn the indications of social and/or psychological disturbances
8. Learn the common dermatologic diseases and dermatologic manifestations of systemic diseases in children
OBJECTIVES

1. Demonstrate knowledge of normal developmental and physiologic changes in childhood
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5. Demonstrate knowledge of the pathophysiology and manifestations of common and/or serious diseases of the gastrointestinal tract and abdominal cavity of children
6. Discuss the differential and work-up of abdominal masses found in the pediatric patient
7. Discuss the diagnosis and management of Reye's syndrome
8. Demonstrate knowledge of pediatric neurologic disorders and shunt problems
9. Calculate fluid and electrolyte requirements of a dehydrated child
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11. State the appropriate management of children with seizures, both febrile and afebrile
12. Discuss the diagnostic work-up and disposition when child abuse and/or neglect is suspected
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16. Demonstrate correct evaluation and treatment of a child with dysuria or a suspected UTI
17. Demonstrate knowledge of and treatment for phimosis, paraphimosis, balanitis, and testicular lesions including torsion
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19. Discuss the differential and required work-up for a pediatric patient with a limp
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RESOURCES/FACILITIES

The location for the rotation is the Emergency Department (ED) in Children’s Medical Center of Dallas (CMC). Children's Medical Center is a 325-bed, private pediatric hospital that has been listed by US News and World Report as one of the top-rated children's hospitals in the United States. CMC is adjacent to Parkland Hospital and the ED's of both hospitals are connected. The ED at CMC is the highest volume children’s ED in the nation.

The UT Southwestern Medical Library has an extensive collection including 256,264 total volumes. This includes 83,124 book volumes and 6,158 full text electronic journals. The 64,000 square feet of library space includes an Educational Technology Laboratory that contains many options for audiovisual and computer-based teaching and learning. The library employs 52 personnel, including dedicated personnel for research and evidence-based literature searches/education. In addition, residents have internet access in the ED as well as various other locations in the hospital. The ED keeps a variety of reference texts also.

DUTIES AND RESPONSIBILITIES

The duties, responsibilities, and duty hours of the EM residents while rotating on Pediatric Emergency Medicine are guided by ACGME-approved requirements for Pediatrics and Pediatric Emergency Medicine.

The EM residents are responsible for the care of their assigned patients. The residents will perform and record history and physical exams, perform procedures with appropriate supervision, coordinate consultations, and direct the discharges for their patients.

The EM residents are encouraged to attend the Pediatric Conferences as patient care
requirements permit. When patient care permits or scheduling allows, EM residents may attend the Division of Emergency Medicine’s weekly residency conference series.

The EM resident will function in a role similar to that of a Pediatric resident at the same level of post-graduate training. These residents will have the same supervisory chain and will report to the senior Pediatric residents, and Pediatric EM fellows and faculty.

**SUPERVISION & EVALUATION**

The EM residents are supervised by senior Pediatric residents, and Pediatric EM fellows and faculty. The Rotation Director or designee will orient residents, supervise scheduling, and monitor progress during the rotation. The Rotation Director or designee will complete the UTSW EM Program’s evaluation tool for this rotation that utilizes core competencies to assess the resident’s performance.

Patricia Hicks, MD  
Associate Professor & Program Director  
Pediatric Resident Program

Michael P. Wainscott, MD  
Professor & Program Director  
Emergency Medicine Residency Program

Cub Culbertson, MD  
Professor & Interim Medical Director  
Emergency Services