



Pediatric EM Curriculum

Family Medicine Residency Program – Gainesville, GA

PGY2

Description of Rotation:

This is a four-week Pediatric ED experience with the attending ED physicians at NGHS located at Gainesville. Residents will see pediatric patients in the ED and in the triage pediatric patients in the rapid care ER. The resident/learner will become competent and/or familiar with the appropriate evaluation and/or management of patients with common ED complaints.

Overall Goals of Pediatric EM Rotation:

- The ability to complete history and perform a complete age-appropriate physical examination, from newborns through adolescent care.
- Learn how to approach common problem/sick child visits in the ED.
- Obtain information from collateral sources when appropriate.
- Synthesize an appropriate diagnosis and treatment plan for common emergency pediatric conditions from infancy through adolescence.
- Develop the ability to treat common pediatric respiratory conditions with efficiency and accuracy.
- Develop the ability to determine whether a child that visits the ED can be discharged home or needs to be admitted and whether a sick child may need a higher level of care such as specialty or ICU care.
- Develop a plan of action and/or follow-up that attends to pertinent medical and bio-psychosocial needs of the patient and family.

Patient Care Objectives and Competencies:

Goals: Residents must be able to provide patient care that is compassionate, appropriate and effective for the treatment of pediatric patients in the Emergency Room setting.

Competencies:

Residents will develop competency in:

- The ability to complete a history and perform a complete age-appropriate physical examination, from newborns through adolescent care. (PC-1)
- Synthesizing an appropriate differential diagnosis and working treatment plan for common pediatric conditions from infancy through adolescence. (PC-3)
- Becoming proficient in the examination of sick children (infants to adolescents) with common ED concerns under direct supervision. (PC-1)
- Completing an admission history and physical examination on patients admitted to the inpatient pediatric service and becoming increasingly proficient at managing pediatric medical problems of mild to moderate complexity.



- Communicate effectively and demonstrate caring and respectful behaviors when interacting with patients and their families. (PC-1)
- Gather essential and accurate information in a concise yet comprehensive manner that includes bio-psychosocial influences from collateral sources when appropriate. (PC-2)
- Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment. (PC-3)
- Recognize differing degrees of medical emergencies that will present in the ED setting.

Medical Knowledge Objectives and Competencies:

Goals: Residents must demonstrate knowledge of established and evolving biomedical, clinical and social behavioral sciences related to the practice of pediatrics.

Competency Based Objectives:

The resident is expected to:

- Understand current AAP and/or AAFP Guidelines regarding the management of common pediatric conditions, specifically the criteria for when to admit in cases of bronchiolitis, gastroenteritis, febrile UTI, and new onset diabetes mellitus.
- Understand the indications for inpatient vs. outpatient management of common clinical conditions such as dehydration, pneumonia, asthma exacerbation and those listed above.
- Understand how to correctly interpret radiographic signs of pneumonia and/or fractures as well as interpret common lab findings such as evidence of dehydration, anemia and electrolyte disturbances in the pediatric patient.
- Demonstrate medical knowledge of common routine pediatric cases seen in the ED, including and not limited the list below, and know how to use literature and evidence-based medicine to support decisions. (MK-2)
- Demonstrate the ability to independently apply critical thinking skills to recognize when to inquire further about their H&P, when to send a patient home, to specialty care, or to a more intensive level of care. (MK-1)

Sick-Child Topics:

MK Topic	On-Line Resource
Dehydration	http://www.aafp.org/afp/2009/1001/p692.html
Gastroenteritis	http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5216a1.htm
Pneumonia	http://www.aafp.org/afp/20040901/899.html
Asthma	http://www.aafp.org/afp/2006/1201/p1901.html
Neonatal Fever	http://www.emedicine.com/ped/topic2698.htm
Pharyngitis	http://www.aafp.org/afp/2004/0315/p1465.html
Otitis Externa	http://www.aafp.org/afp/2001/0301/p927.html
RSV	http://www.aafp.org/afp/20040115/325.html
Otitis Media	http://www.aafp.org/afp/2007/1201/p1650.html
Sinusitis	http://www.aafp.org/afp/1998/1115/p1795.html



Interpersonal and Communication Skills Competency Based Objectives:

Goals: Residents must demonstrate interpersonal skills and communication skills that result in effective exchange of information and collaboration with patients, their families, associated health professionals and staff while providing pediatric medical care.

Competency Based Objectives:

- Effectively communicate with the pediatric patient and/or his/her family when appropriate regarding the patient's condition, the care plan and the summary.
- Maintain awareness of the patient's family cultural preferences during communication.
- Communicate with office staff and with allied health professionals in a respectful, professional manner to become an active member of the patient's care team.
- Communicate timely, accurate information to the pediatric attending regarding changes in patient status, need for changes in the patient's level of care, etc.
- Demonstrate respect, compassion and integrity in all doctor-patient encounters and communication. (C-1)
- Demonstrate professional and competent verbal communication with the patient and the patient's family. (C-2)
- Demonstrate professional and competent verbal and written communication with the attending physicians, nursing staff, office staff and allied health professionals, especially consultants that are part of the patient's care team. (IC-3)

Practice Based Learning and Improvement Competency Based Objectives:

Goals: Residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve pediatric care based on constant self-evaluation.

Competency based Objectives:

- Utilize nationally accepted guidelines and recommendations for treatment of pediatric conditions; i.e. AAP and/or AAFP guidelines for management of bronchiolitis, management of croup, management of hyperbilirubinemia in the ED as well as a myriad of other maladies during ED visits.
- Locate and appraise evidence from reliable sources and appropriately apply it to current pediatric clinical questions.
- Understand how to appropriately refer to a pediatric specialist from an ED setting.
- Apply and document the use of nationally accepted recommendations for treatment of common pediatric conditions in specific patient case presentations during ED visits. (PBLI-1)
- Identify personal knowledge deficits related to the study of pediatrics in the ED and pursue reliable resources for education. (PBLI-2)
- Engage in quality improvement efforts that benefit the care of pediatric patients in the ED setting such as determining what challenges the local population has and efforts to improve it. (PBLI-3)

Professionalism Competency Based Objectives:



Goals: Residents must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles.

Competency based objectives:

- Document in the appropriate medical record in a timely fashion as per the expectations of the ED attending.
- Maintain awareness of the patient's and their family's beliefs, values and cultural practices in patient care plans as well as counseling. (PROF-3)
- Meet dress code expectations; arrive on time to the correct work location for the rotation.
- 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 ongoing professional development. (PROF-1)
- Adhere to a high level of professional conduct and assumes responsibility in the care assigned patients. (PROF-2)
- Engage in activities that will foster personal and professional growth as a physician

Systems Based Practice Competency Based Objectives:

Goals: Residents must demonstrate as awareness of and responsiveness to the larger context and system of health care, as well as the ability to utilize effectively other resources in the system to provide high value, high quality and accessible health care to maximize patient health.

Competency Based Objectives:

- Advocate for the patient and patient's family in dealing with a complex health system and fragmented care delivery. (SBP-5)
- Demonstrates the ability to work with attending physician, consultants, and ED staff in a manner that fosters team-based care. (SBP-4)
- Communicate concerns about patient safety and assists in the development of system-based improvement when applicable. (SBP-2)
- Arrange for appropriate outpatient follow-up with both yourself and specialist physicians after an ED visit. (SBP-5)