Y4 Emergency Medicine - Pediatric

Course ID: MED 997W
Discipline: Surgery
Prerequisites: MED 930 Emergency Medicine Clerkship
Available Sites: Saginaw
Duration: 4 weeks

Description
This elective provides students interested in Emergency Medicine an opportunity to improve their ability to care for infants, children, and adolescents with acute, unscheduled, undifferentiated illness and injury. Emergency Department shifts will be performed in a high-volume, urban, pediatric emergency department.

Key Objectives
- Define ranges of normal vital signs by age group and identify abnormal triage vital signs.
- Describe the evaluation of neonates (<28 days old), infants between 28 and 90 days old, and infants greater than 90 days old with fever.
- Describe the evaluation, treatment, and disposition of infants and children with common respiratory illnesses (e.g., asthma, pneumonia, croup, and bronchiolitis)
- Identify serious causes of abdominal pain and vomiting in infants and children (including intussusception and appendicitis), and describe their diagnosis and treatment
- Describe the indications, contraindications, possible complications, relevant anatomy, and interpretations of the following procedures:
  - Lumbar puncture
  - Suprapubic tap
  - Reduction and splinting of extremity fractures (including radiograph interpretation and knowledge of the Salter-Harris classification system)
- Describe the treatment of patients with diabetic ketoacidosis using a structured approach
- Identify reporting requirements for suspected cases of non-accidental trauma (NAT), and recognize suspicious patterns of injury
- Interpret chest radiographs in pediatric patients with respiratory complaints
- Use decision instruments to determine the need for brain injury in children and infants with head trauma
- Fluid resuscitate volume-depleted infants and children using appropriate weight-based doses and appropriate electrolyte solutions
- Provide education and anticipatory guidance to pediatric patients and their families regarding fever management, oral rehydration, and injury prevention
- Follow up on a sample of at least four patients seen during the elective, and complete four pediatric EM write-ups using a structured form.
- Present patient histories, examinations, and treatment plans to supervising resident and attending physicians in a structured fashion.
- Communicate treatment and disposition plans and the results of diagnostic tests to patients, their families, and nursing staff.
Assessment Method
College of Medicine standard elective assessment will be completed by supervising faculty at conclusion of elective clerkship.

Scheduling Information
Interested students should contact CMU College of Medicine Department of Distributed Clinical Education at CMEDDCE@cmich.edu.