

**Course: Acute Pediatric Emergency Care PED 1204**

<b>Department:</b>	Pediatrics
<b>Course:</b>	Acute Pediatric Emergency Care (1204)
<b>Faculty Coordinator:</b>	Julia McDonald, M.D.
<b>Hospital:</b>	Children's Medical Center
<b>Periods offered:</b>	1-5, 8-12
<b>Length:</b>	4 weeks
<b>Max no. of students:</b>	2
<b>Fax:</b>	214/456-8132
<b>First Day Contact:</b>	Julia McDonald, MD 214/456-2014
<b>First Day Time:</b>	9:30 a.m.
<b>First Day Place:</b>	Emergency Center, CMC-D 1 <sup>st</sup> floor
<b>Prerequisites:</b>	3 <sup>rd</sup> year Pediatric Clerkship

**I. Course Objectives:**

**To provide a concentrated experience in the assessment and management of the acutely ill child.**

**II. Course Goals and Objectives:** (based upon ACGME competencies for resident education and modified for medical student education)

**Patient Care**

Students, together with supervising faculty, must demonstrate the ability to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objectives: Students are expected to

- Gather essential and accurate information about their patients. *Examples: history, intercurrent problems, physical examination and results of pertinent laboratory tests and physiologic monitors.*
- Make informed recommendations about diagnostic and therapeutic interventions based on physical examination, laboratory data, scientific evidence, and clinical judgment. *Examples: Patients with fever without a source.*
- Together with the fellow and attending, communicate plan of care to parents. *Examples: plan of care for status asthmaticus: intravenous steroids, beta-agonist aerosols, maintenance intravenous fluids, portable chest radiograph, and in-patient admission.*
- Work with health care professionals, including those from other disciplines, to provide patient-focused care, develop and carry out patient management plans. *Examples: respiratory care, nursing, and emergency room technicians.*

### **Medical Knowledge**

Students must demonstrate knowledge about established biomedical and clinical sciences and the application of this knowledge to patient care.

Objectives: Students are expected to

- Develop an understanding of common illness affecting children which require emergency room care, including but not limited to: *Status asthmaticus, shock, sepsis, diabetic ketoacidosis, congenital heart disease, trauma, toxic ingestions, status epilepticus.*
- Learn the indications and physical assessment skills required for determining the need for inpatient admission and treatment.
- Develop the skills required to assimilate historical, physical, physiologic, and laboratory data, and to present these data in an organized and prioritized manner.
- Gain experience in dealing with the family, social, economic, and ethical issues related to common emergencies in childhood.

### **Practice-Base Learning and Improvement**

Students must be able to assimilate scientific evidence to improve their patient care practices.

Objectives: Students are expected to

- Locate and assimilate evidence from scientific studies related to their patients' health problems. *Example: randomized controlled trials of management of fever without a source.*
- Use information technology to manage information, access on-line medical information;and support their own education.

### **Interpersonal and Communication Skills**

Students must be able to demonstrate interpersonal and communicate skills that result in effective information exchange to Emergency Department team members and patient families.

Objectives: Students are expected to

- Give clear, concise, well-organized case presentations, exchange patient information effectively with members of the team (e.g., nurses, residents, fellow), and work effectively with other members when indicated.

- Explain complex treatments to parents without medical jargon.

### **Professionalism**

Students must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

*Objectives:* Students are expected to

- Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and their families that superseded self-interest; accountability to patients and the profession; and a commitment to excellence and on-going professional development.  
*Example: willingness to seek additional patients for evaluation.*
- Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care and confidentiality of patient information.
- Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.

### **III. Methods of Instruction:**

#### **A) Didactic** (schedule, topic, faculty)

- During rotations in Emergency Center
- Recommended conferences:
  - Pediatric Grand Rounds, Wednesdays 0800, CMC Moore Auditorium
  - Trauma Morbidity and Mortality, 2<sup>nd</sup> Thursdays 1600, CMC – Room B336
  - REACH Grand Rounds – 1<sup>st</sup> Friday, Doctor's Dining Room
  - Noon conferences for housestaff, weekdays 1215 - 1300, Doctor's Dining Room

#### **B) Clinical** (schedule, faculty teaching, housestaff teachings)

- 13 shifts per rotation, 4-5 on weekends
- Shifts are 10a-6p and 6p-2a (Scheduled by students at beginning of rotation)
- Work as subintern in the EC under the supervision of the EC attending, fellow and senior housestaff.
- The students will be given a list of complaints/symptoms to be evaluated and procedures to be performed during the rotation.

#### **C) Student responsibilities** (and to whom responsible)

- Complete the above experience with support from the attending assigned to the EC, thereby fulfilling the role of subintern.

- Maintain a log of patients seen with diagnoses seen and managed as well as procedures performed.
- Student will participate in Simulation Center Workshop that will review common pediatric life support procedures and give the student a hands-on experience in dealing with the critically ill or injured child.
- Any absence, except for illness, must be approved in advance. ALL absences must be called to Dr. Julia McDonald, 214/456-2014.

#### **IV. Method of Evaluation of Students:**

The student will be directly responsible to Dr. McDonald for his/her activities and learning. Taking into account information received from fellows and other faculty, she will judge the student's performance – pass or fail. Students will be evaluated on the achievement of the objectives of the course.