

## **EDD-600 Advanced Emergency Medicine Elective**

### **Goals:**

- To expand upon the experience of the fourth year Emergency Medicine Clerkship with emphasis on assuming internship-level responsibility for the diagnosis, treatment, and disposition of patients.

### **Objectives:**

By the end of this clerkship, the student should be able to:

1. Identify patients/conditions for which emergency management is indicated.
2. Document in a clear and concise fashion pertinent historical and physical findings for a patient's presenting complaint.
3. Identify patients/conditions for which consultation is indicated.
4. Demonstrate appropriate techniques for procedures (slit lamp exam, lumbar puncture, thoracentesis, chest tube placement, laceration repair, splinting) when indicated.
5. Assist with resuscitations.
6. Identify arrhythmias and address initial management.
7. Discuss the differential diagnosis of emergent chest pain, respiratory distress, acute abdomen, mental status changes, shock and open fractures.
8. Identify community resources (Alternatives for Battered Women, Rape Crisis, Substance Abuse Rehabilitation, Community Health Nurses, and Poison Control).
9. Discuss the role of the Emergency Medical Services (EMS) in Monroe County.

### **Schedule of Activities:**

- This is a patient-oriented emergency medicine experience individualized to the students' particular interest in emergency medicine.
- Students will generally work 14 clinical shifts over 4 weeks and participate in 2 ambulance ride-alongs during the course of the rotation.
- Required EMS Experience – 6 hours per 2 weeks of rotation
- Close supervision by residents and faculty preceptors will facilitate acquisition of clinical judgment and technical skills.
- Each student will be matched with an attending or third year emergency medicine resident for each shift.
- Clinical shifts will be 8 hour shifts including days, evenings, and nights. Emphasis is on active participation in all aspects of patient care.

### **Didactic Activities:**

- Attendance to and participation in all Thursday resident lectures and conferences will be required.
- These include case conference, EKG readings, grand rounds, journal club, morbidity and mortality, research forum, toxicology conference, and trauma conference.

### **Suggested Reading:**

Textbook: Tintinalli JE, Kelen GD, Strapczynski JS. Emergency Medicine: A Comprehensive Study Guide, 6th edition.

Chapters:

1 - Emergency Medical Services (pages 1-5)  
8 – Cardiopulmonary Resuscitation in Adult (pages 44-48)  
9 – Pediatric Cardiopulmonary Resuscitation (pages 57-64)  
24 - Disturbances of Cardiac Rhythm Conduction (pages 169-192)  
30 - Anaphylaxis and Acute Allergic Reactions (pages 242-246)  
43 - Puncture Wounds Bites (pages 330-336)  
45 – Approach to Chest Pain and Possible Myocardial Ischemia (pages 341-351)  
47 – Acute Coronary Syndrome (pages 356-365)  
58 – Respiratory Distress (pages 443-451)  
68 – Acute Abdominal Pain (pages 515-519)  
110 – Pediatric Fever (pages 749-752)  
221 – Altered Mental Status and Coma (pages 1440-1448)  
259 – Early Evaluation and Management of Orthopedic Injuries (1739-1752)  
Total Reading = 106 pages.

Tintanilli's Emergency Medicine textbook can be accessed through the Miner Digital Library.

**Student Evaluation:**

This is a PASS/FAIL course.

To receive a grade of satisfactory the student must maintain perfect attendance and receive satisfactory clinical evaluations from their preceptors during the rotation.