

Elective Description

Campus: Southeast (Fargo)

Elective/Experience Title: Emergency Medicine

Location of Elective: Essentia Health Emergency Room - Fargo, ND

Department: Emergency Medicine

Course Number: EMRG 9205-01

Preceptor(s): Tony Hamilton, MD

Period(s) Offered: All {156 hours minimum = 13 12-hour shifts. Shifts will rotate between 7AM-7PM, noon to midnight (double coverage) and 7PM-7AM. More hours available if desired}

Number of students per period: 1

Purpose: To provide education and experience in the care of patients requiring emergency medical services.

Objectives: Following successful completion of this elective, the student will be able to:

1. Perform a focused and efficient history and physical exam on patients presenting to the Emergency Department and quickly organize and present the information to the attending physician in a clear and concise manner.
2. Formulate appropriate differential diagnoses and management strategies for conditions commonly encountered in the Emergency Department.
3. Order and interpret appropriate laboratory test and imaging studies.
4. Demonstrate knowledge of or experience with common Emergency Department procedures, including rapid sequence intubation, advanced airway techniques, arterial blood gas, central venous access, cardiopulmonary resuscitation, defibrillation/cardioversion, pediatric cerumen removal, ocular foreign body removal, epistaxis control (cauterization and packing device), oral abscess drainage, regional anesthesia (dental and digital blocks), lumbar puncture, tube thoracostomy, pericardiocentesis, laceration repair, paracentesis, urinary catheter placement, peripheral venous access, fracture reduction and stabilization, joint reduction, procedural sedation, intraosseous vascular access, nasogastric intubation, orogastric intubation, anoscopy, incision and drainage of abscesses, and diagnostic arthrocentesis.
5. Demonstrate knowledge of an experience in evaluating conditions common to the Emergency Department, including multisystem trauma (adult and pediatric), dysrhythmias, ACLS and PALS, anaphylaxis, shock, acute pain, wound care, and current treatment of myocardial infarction, acute CVA and the use of TPA, respiratory distress, the acute abdomen, coma, environmental emergencies, toxicologic emergencies, and acute psychiatric conditions.

Instructional Activities: During this elective, the student will be involved in/experience:

1. Initial rapid evaluation of the patient by the student and then by the attending. If the stability of the patient requires emergent evaluation by the attending, the student will assist with the initial evaluation of the unstable patient. As the rotation progresses, the student, under the close observation by the attending physician, will be expected to become increasingly independent with patient care.
2. Daily reading assignment made by the attending on a topic encountered during that shift, which may include conditions, diseases, or procedures. The student will return to the next shift with a five minute presentation on the assigned learning topic.
3. A 20-minute topic presentation will be given to the preceptors by the student prior to the end of the elective.
4. Formal presentations on topics of emergency medicine given during the rotation by the attending physicians.

Criteria for Grading: During and following this elective, the preceptor will:

1. Evaluate the student based upon direct observation of patient care and clinical knowledge of emergency medicine.
2. Evaluate the student's professionalism based upon:
 1. Punctuality
 2. Willingness to participate in patient care activities
 3. Relationship with patients
 4. Rapport with patients
 5. Attitude toward learning
3. Utilize the standardized UNDSMHS senior elective evaluation form.