Phase 2/3 Elective Description

Campus: All Campus (changes will apply to all)
Elective/Experience Title: Introduction to Emergency Medicine
Location of Elective: Fargo

Department: Emergency Medicine
Course Number: 9205-01

Preceptor(s):
Period(s) Offered: Periods 1-10 (not 11)
Number of students per period: 1

Course Prerequisites: none
Revised Curriculum Phase(s): 2 & 3

Purpose: To provide the medical student an introduction to Emergency Medicine.

Objectives:

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

1. Execute the performance of an accurate history and physical examination of patients presenting for emergency medical care (Competency 3.1).

2. Apply the ABCDs (Airway, Breathing, Circulation, Disability) to critically ill and undifferentiated medical and trauma patients (Competency 3.4, 3.5, 3.6).

3. Demonstrate the ability to identify and address abnormal vital signs with appropriate urgency (Competency 3.3, 3.5).

4. Verbally present an emergency department patient, emphasizing the pertinent parts of the HPI and an appropriate "worst-first" differential diagnosis (Competency 3.3, 3.4, 3.5).

5. Recognize and initiate stabilizing treatment for the life-threatening causes of abdominal pain, altered mental status, cardiac arrest, chest pain, GI bleeding, headache, and shortness of breath, and shock (Competency 3.4, 3.5, 3.6).

6. Recognize clinical features of the following toxidromes: sympathomimetic, opioid, cholinergic, and anticholinergic (Competency 3.4, 3.5, 3.6).

7. Outline key features of stabilizing treatment for the following poisonings: acetaminophen, aspirin, tricyclic antidepressant, and toxic alcohol poisonings (Competency 3.4, 3.5, 3.6).

8. Execute management of an occluded airway by applying the head tilt/chin lift maneuver, inserting an oral or nasopharyngeal airway, and correctly administering bag-valve-mask ventilation (Competency 3.5, 3.6).

Instructional Activities:

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

1. Minimum of 150 hours of supervised patient contact in the emergency department.

2. Complete 40 "Full-Code" online case-based simulations of life-threatening conditions.

3. Attend two online Zoom sessions with Clerkship Faculty. Access department schedule here: https://med.und.edu/education-training/emergency-medicine/index.html.
   A. Mid-Clerkship Feedback Session. (Usually, the 2nd Thursday of the rotation at 12:00PM).

This virtual meeting serves as your Mid-Clerkship Feedback Session and is scheduled for the second Thursday of your Emergency Medicine rotation. The Emergency Medicine Administrative Assistant will contact you to arrange a 15-minute Zoom meeting with Dr. O'Keefe. During this session, you'll have the opportunity to both give and receive feedback on your experience in the rotation thus far.

B. Grand Rounds Day and End-Clerkship Feedback Session. (Usually, the 4th Thursday of the rotation at 12:00PM). Students deliver a 10-minute case presentation on a trauma patient of their choice from their Emergency Medicine rotation, with emphasis on basic science. Preferred Power Point Slides are "UND SMHS green standard."
Poster and slides template located here: https://med.und.edu/technology-resources/branding-and-templates.html

4. Complete 5 fast scans with butterfly ultrasound device (except at CHI. CHI utilizes their own ultrasound device).

5. Watch Tips and Tricks for EMS Medical Directors with John Lyng, MD located here: https://med.und.edu/education-training/emergency-medicine/grand-rounds.html

6. Make-up a missed Grand Rounds Day by passing 15 additional Full-Code cases.

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.

2. Observe completion of 150 hours of supervised patient contact.

3. Review successful completion of the required "Full-Code" cases.

4. Observe the student's ability to obtain a complete patient history (objective 1).

5. Observe the student's ability to perform a complete physical examination (objective 1).

6. Observe the student's ability to present a patient case orally (objective 4).

7. Observe the student's overall clinical competence (objective 2, 3, 5-8).

8. Participate in or make-up attendance at Grand Rounds.

Criteria for Honors: The student will do the following in order to obtain honors:

1. Complete 60 Full-Code case simulations.

2. Be recommended for Honors by the preceptor completing the UNDSMHS senior elective evaluation form.

3. Submit case presentation in a poster format. Posters may be displayed at the ND State Trauma Conference. Preferred poster template is 48x36 UND branded poster template: https://med.und.edu/technology-resources/branding-and-templates.html.