It is the sole responsibility of the student to check on AIMS for schedule and site updates on a daily basis!

Northeast Ohio Medical University
College of Medicine

Emergency Medicine Clerkship
Syllabus
2018-19

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COURSE DESCRIPTION
The Northeast Ohio Medical University M3 Emergency Medicine Clerkship is a continuous three-week clinical rotation focused on the undifferentiated patient in the acute care setting. This core curriculum is designed to provide all M3 students with an introduction to the basic knowledge, skills and attitudes of emergency medicine that are essential to the fundamental education of all physicians. Students, working with residents and emergency medicine physicians, will encounter a wide range of patients, presenting complaints and levels of acuity. Learning is primarily through direct patient care experience and bedside teaching, supplemented with lectures, directed readings and simulation. The clerkship is designed so ensure that all students, regardless of their intended career path, have a broad exposure to emergency medicine.

COURSE ADMINISTRATION
Clinical Experiential Director and Course Directors
Dr. Rebecca Merrill is Clinical Experiential Director for the Emergency Medicine Clerkship and in collaboration with Dr. David Sperling, M3 Clerkships Course Director, and Dr. Susan Labuda Schrop, M3 Clerkships Course Co-Director, provides oversight for the clerkship. In her role as Clinical Experiential Director, Dr. Merrill is responsible for ensuring that implementation of the Emergency Medicine Clerkship curriculum is consistent across all teaching sites.

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Natalie Milone, M.A. Ed.
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330.325.6764
Hospital Sites and Clerkship Site Directors
The facilities for clinical instruction for the Emergency Medicine Clerkship are those institutions and residency training programs that have committed themselves to the Northeast Ohio Medical University College of Medicine for participation in the undergraduate training of the NEOMED students.

Site Directors are designated at each hospital that provides a clerkship experience. Responsibilities of the Clerkship Site Director include tasks and responsibilities in three categories: 1) curricular, 2) assessment and 3) administrative.

Thomas Kinney, M.D.
Aultman Hospital

Kristin Drogell, M.D.
Cleveland Clinic Akron General

David J. Ledrick, M.D.
Mercy Health, St. Vincent Medical Center (Toledo)

Chad Donley, M.D.
Mercy Health, St. Elizabeth Youngstown Hospital

Lauren Fredrickson, M.D.
Salem Regional Medical Center

Donald L. Norris II, MD
Summa Health System, Akron City Hospital
Arnold Feltoon, M.D.
UH Portage Medical Center

John Pleshinger, M.D.
Union Hospital

Carla O’Day, M.D.
St. Vincent Charity Medical Center
(Cleveland)
COURSE GOALS
The student will have the opportunity to learn the approach to undifferentiated, acutely ill or acutely injured patients who present to the emergency department for care. The overall goal of the Emergency Medicine Clerkship is the mastery of the basic core competencies that are essential for practice as a competent physician focused on the AAMC competencies. The Emergency Medicine Clerkship will focus on these competencies in the context of the delivery of emergency care regardless of the student’s career focus, and include the following:

- recognition of the role of the emergency physician in the health care delivery system
- development of an organized and systematic approach to the care of the acute patient who presents to the emergency department with an undifferentiated chief complaint
- acquisition of a body of knowledge and clinical reasoning skills necessary for the formation of an initial differential diagnosis and treatment plan focused on immediate life threats
- development of medical decision-making skills necessary to integrate limited assessment data findings and determine the sick vs non-sick, stable vs non-stable patient and to implement a plan for treatment
- development of clinical reasoning skills necessary to identify the actual reason for the patient’s presentation to the emergency department
- ability to deliver emergent care in a team-based environment
- ability to perform minor and life-saving procedures under supervision or with simulation
- integration of concepts of emergency medicine into personal and professional growth as a physician

CORE CLERKSHIP LEARNER OBJECTIVES
Upon completion of the three-week Emergency Medicine Clerkship, the student will be able to do the following to the satisfaction of the supervising emergency medicine faculty:

I. Recognize patients with immediately life threatening conditions regardless of etiology and institute appropriate initial therapy
   - collect an appropriate complaint-directed and focused history
   - perform an accurate complaint-directed and focused physical examination
   - generate a reasonable initial and subsequent differential diagnosis and problem list
   - identify and prioritize a patient’s problems
   - perform routine technical procedures

II. Communicate effectively, both orally and in writing, with patients, patients’ families, colleagues, and other members of the health care team with whom emergency medicine physicians must exchange information while carrying out their responsibilities
   - present a case in a clear, organized and efficient manner
   - document patient care information in the medical record

III. Demonstrate an understanding of the use and interpretation of commonly ordered diagnostic studies
   - use the concepts of pre-test probabilities and diagnostic testing
   - interpret the results of commonly used diagnostic procedures
   - formulate a basic plan for diagnostic evaluation
IV. Develop and assist with implementation of appropriate case management plans
   • outline an initial course of management for patients with serious conditions requiring critical care
   • formulate plans for patients who present with multiple undifferentiated problems

V. Establish effective physician/patient relationships
   • establish rapport with patients
   • use vocabulary appropriate for patients
   • assess patients’ understanding
   • use appropriate listening skills
   • show empathy and compassion
   • demonstrate respect for the individuality, values and rights of all patients

VI. Demonstrate understanding of the principles of health promotion, disease prevention and patient education
   • list health risk factors for patients based on age, gender, medical history and social history
   • counsel patients about signs and serious effects of harmful personal behaviors and habits

VII. Further develop his/her professional role as a physician
   • demonstrate self-directed learning and self-assessment
   • attend promptly and prepare for all activities
   • show respect for patient confidentiality
   • show respect for patients, colleagues, peers and ancillary health care workers
   • behave in a morally and ethically appropriate manner

STUDENT ASSIGNMENT
Students are assigned to one of the ten hospital sites. All sites offer the benefits of a teaching hospital with outstanding attending faculty. The clerkship teaching sites are bound by shared learning objectives as well as a common curriculum. Teaching sites are closely monitored to ensure equity. The depth and scope of clinical encounters during the three-week clerkship are comparable among sites as evidenced by student feedback, clerkship evaluations and the Clinical Skills Experience Portfolio.

FIRST DAY REPORTING
In addition to the information provided below, students may receive first-day reporting information directly from their clinical sites. If that information differs from the information provided below, please follow the instructions provided directly from the sites.
### Where and When to Report on First Day of Clerkship

You will need your student ID, white coat and license plate number.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Time</th>
<th>Details</th>
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| Cleveland Clinic Akron General        | 8:00 a.m. | Medical Education Office located in the Ground Floor Annex to Main Hospital. At 9:00 a.m, report to Department of Emergency Medicine, Room 1036.  
*Note: Park in employee Lot A across from main entrance to hospital.* |
| Aultman Hospital                      | 7:15 a.m. | Aultman Medical Education, First Floor, Education Building (adjacent to the parking deck; do not enter the hospital). Ask for Ms. Marie Hoyle (330.363.5434).  
*Note: Park in the Seventh Street visitors parking deck.* |
<p>| Mercy Health St. Elizabeth Youngstown Hospital | 8:30 a.m. | Undergraduate Medical Education, 2 South. You may park in the free lot behind the Outpatient Rehabilitation Center on Caroline Avenue. Caroline Avenue is directly across from the Belmont Avenue hospital entrance. Go down Caroline Street and turn left into the parking lot. Please park in the back of the lot on the higher level. Enter St. Elizabeth Youngstown Hospital at the Belmont Avenue entrance. Take elevator B to the second floor, turn left towards the medical library. |
| Mercy Health, St. Vincent Medical Center (Toledo) | | 2222 Cherry St., MOB #2, Suite 1300. |
| Salem Regional Medical Center         |       | Contact Dr. Lauren Fredrickson 1-2 weeks prior to start of your rotation at <a href="mailto:lauren.fredrickson@salemregional.com">lauren.fredrickson@salemregional.com</a> to arrange orientation. |
| Summa Health System - Akron City Hospital | 7:00 a.m. | Students should report to Summa, Akron City Hospital, Medical Education at 7:00 a.m. to get a badge and arrive in the Emergency Department Waiting area to be picked up by 7:30 a.m. |
| UH Portage Medical Center             |       | Please contact Dr. Arnold Feltoon at <a href="mailto:arnold.feltoon@uhhospitals.org">arnold.feltoon@uhhospitals.org</a> and be sure to cc Jami Englehart <a href="mailto:Jami.Englehart@UHhospitals.org">Jami.Englehart@UHhospitals.org</a> 1 week prior to start of your rotation. They will respond to you with reporting instructions for your first day. Please note that all physician |</p>
<table>
<thead>
<tr>
<th>Location</th>
<th>Time</th>
<th>Details</th>
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<tbody>
<tr>
<td>Union Hospital</td>
<td>8:00 a.m.</td>
<td>Union Hospital, Dover, Ohio. Main ED Registration Desk. Ask for Dr. Pleshinger.</td>
</tr>
<tr>
<td>St. Vincent Charity Medical Center (Cleveland)</td>
<td>8:30 a.m.</td>
<td>Office of Graduate Medical Education located on the 3rd floor of the West Building – office number 323W, 338W or 342W; 2351 East 22nd Street. Note: 1) Park in the East 22nd Street Visitor’s Lot directly across from the main entrance to the hospital. Parking will be validated only if you park in this visitors’ lot. At orientation, you will be issued a complimentary parking pass for the remainder of the rotation. 2) Report to the front desk of the hospital or the security booth and tell them that you have an appointment with the Office of Graduate Medical Education. Coordinator will e-mail you paperwork that needs completed and sent back prior to start of rotation.</td>
</tr>
<tr>
<td>Western Reserve Hospital</td>
<td>8:00 a.m.</td>
<td>Park in visitor lot “E” and enter through the Auditorium entrance. Report to Medical Education (1st floor near Auditorium 1). You will then go to the 4th floor computer training room to have a short EMR training session. We will then have a short orientation and provide your name badge/scrubs, etc. Please bring a personal check with you to orientation. We request that visiting students pay a $25 deposit. Make checks out to Western Reserve Hospital. We’ll destroy the check when you complete the rotation and return your ID badge and scrubs you might have used on rotation.</td>
</tr>
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**ORIENTATION**
All students are required to watch the orientation videos prior to start of the clerkship. Please refer to the Emergency Medicine folder on AIMS M3 Clerkships Site.
LEARNING STRATEGIES
Each clerkship rotation will be composed of a combination of clinical activity and related materials, didactics, simulation, reading as well as a variety of other activities.

Clinical activity: The number of shifts will be no fewer than nine [9] and include days, evenings, nights and weekends, and span all three weeks of the clerkship.

Simulation: Opportunities to learn through simulation may occur locally, at NEOMED, at ABIA or at any of the NEOMED emergency medicine residencies.

Didactics: Participation in curricula from both NEOMED emergency medicine residencies and the NEOMED pediatric emergency medicine fellowship is encouraged.

Reading: Is required as assigned from the Emergency Medicine Clerkship Primer, and encouraged from one of the two main emergency medicine textbooks (Rosen or Tintinalli). A good text for student purchase is EM Secrets.

Additional Activities: Extra activities that involve emergency medicine sub-specialties such as EMS ride-along, hazmat, poison center, hyperbaric or palliative care, are encouraged.

A variety of learning strategies will be used during the clerkship to help you achieve your goals. Strategies may include but are not limited to:

- Patient encounters in the emergency department
- Small group discussions
- Conferences and lectures
- Workshops
- Core educational lecture videos
- Textbooks
- Simulation

PATIENT CARE IN THE EMERGENCY DEPARTMENT
During the clerkship, students should expect to encounter a learning environment that will enable them to gain the knowledge, skills, attitudes and behaviors of physicians that are demonstrative of professional competence in emergency medicine. You will be expected to follow your own or assist with assigned patients and manage them with supervision. In addition to managing patients in the emergency department, you may be expected to follow your patient through the admissions process providing direct observation of and participation in transition of care processes.

STUDENT CONFERENCES
Clerkship students will meet regularly with the Clerkship Site Director (or designated faculty) to discuss recent patient encounters. These sessions provide structured time for students and a faculty leader to discuss:

- diagnosis and management of acute care problems and patients,
- principles and processes of patient care in emergency medicine,
- care of a patient in the context of his/her family, and
• community health issues and resources.

You are expected to help lead the discussions and share information with your peers. These and other problem-based learning principles will be engaged to aid in the development of lifelong learning skills. You are expected to come to each conference prepared to:
• give a clinical presentation based on a recent patient encounter, including specific information on any use of alternative medicine,
• discuss clinical reasoning, differential diagnoses and decision making related to that patient and symptoms, and
• report on knowledge gained from preparatory research for the discussion.

You may be given an assignment for the next session.

Tips for Student Conferences:
• Relax and enjoy the process!
• Make sure your topic is different from what other students are presenting.
• Research your area of interest and demonstrate preparation.
• Present information that is practical. How will the information help you and others better assess and/or manage the patient and his/her problem?
• Present in a creative manner. Use handouts when available. Provide a copy of articles for everyone.
• Make the presentation interesting. Address what is important/pertinent.
• Involve your audience. Keep their interest by giving them something to do.
• Define learning issues – something you want to know more about.
• Follow up on learning issues with the group.
• Ask questions of your peers when they are presenting. Be an active listener during presentations.

WORK HOURS
Students will work an average of 45 hours per week for each of the 3 weeks. The schedule will encompass all shifts, including 2 week-end shifts. The schedule will consist of a minimum of nine shifts of at least eight hours each, conferences and videos.

REQUIRED TEXTBOOKS
The following texts are required for the Emergency Medicine Clerkship:
*Primary reference
EMERGENCY MEDICINE READING ASSIGNMENTS
You are required to read the following chapters, as assigned, from Emergency Medicine Clerskhip Primer (Clerkship Directors in Emergency Medicine 2008). All readings should be completed by Wednesday or Monday, as indicated, in the week assigned.

➢ By Wednesday of Week 1
  o Chapter 1: Introduction to the Specialty of Emergency Medicine
  o Chapter 2: Introduction to the Emergency Medicine Clerskhip
  o Chapter 4: Unique Educational Aspects of Emergency Medicine
  o Chapter 5: Differences Between the Emergency Department, the Office, and the Inpatient Setting
  o Chapter 6: Undifferentiated and Differentiated Patients
  o Chapter 7: Performing a Compliant-Directed Physical Examination
  o Chapter 8: Data-Gathering Skills
  o Chapter 9: Developing a Case-Specific Differential Diagnosis
  o Chapter 16: Enhancing Your Oral Presentation Skills
  o Chapter 22: How to Get the Most Out of Your Emergency Medicine Clerkship
  o Chapter 23: Introduction to the Core Competencies

➢ By Monday of Week 2
  o Chapter 10: Diagnostic Testing in the Emergency Department
  o Chapter 11: Developing Your Plan of Action
  o Chapter 12: Diagnosis: Is It Possible? Is It Necessary?
  o Chapter 13: Disposition of the Emergency Department Patient
  o Chapter 14: Discharge Instructions
  o Chapter 15: Documentation
  o Chapter 20: Procedural Skills

➢ By Monday of Week 3
  o Chapter 17: Interacting with Consultants and Primary Care Physicians
  o Chapter 18: Patient Satisfaction – Meeting Patients’ Expectations
  o Chapter 19: Providing Anticipatory Guidance

PATIENT NOTE
Prior to the end of the clerkship, select one of your patients, and write a patient note and submit it to your site director for critique.

MINIMUM PERFORMANCE REQUIREMENTS
To meet the minimum requirements necessary to satisfactorily complete the Emergency Medicine Clerkship, the student must:

• Maintain a professional appearance and behavior at all times consistent with the highest standards of the profession
• Perform all required activities, including but not limited to:
  o Watch the clerkship orientation videos on AIMS M3 Clerkships Site, Resources,
Emergency Medicine Folder: Introduction to M3 Emergency Medicine Clerkship, Clerkship Introduction and Requirements, Undifferentiated Patient
- Watch the online lecture videos on AIMS M3 Clerkships Site, Resources, Emergency Medicine Folder: Principles of Emergency Medicine/Patient Approach, Acute Injury, Disasters
- Complete 9 (8-hour minimum) clinical shifts
- Complete assigned readings in *Emergency Medicine Primer, A Manual for Medical Students*
  - Complete the Clinical Skills Experience Portfolio (CSEP)
  - Obtain approval of the Clerkship Site Director prior to any absence
  - Complete the end of clerkship evaluation (feedback) survey

**HOW TO DO WELL**
The ED is a fast-paced environment. It is one of the few places where physicians treat undifferentiated patients. It is also the best place to learn about the acutely injured or ill patient, especially one with a life-threatening condition. By definition, no patient wants to be in the ED, and every patient has some type of real or perceived emergency. It is the job of the emergency physician to diagnose and treat patients in their time of need. This process is repeated more than 150 million times annually in the U.S.A.

The goal of every ED encounter is to rule out potential life-threatening causes for the patient’s presentation and to establish why the patient presented at that time and that location for that problem.

Successful students will learn how to do a complete patient evaluation and learn how to do that evaluation quickly. They will learn how to present cases to their supervising physician in a succinct, chief complaint-driven fashion. They will work hard as evidenced by seeing as many different patients as allowed by their supervisor, realizing that the ED offers a tremendous quantity of patients from which to learn. They will later read about specific patients so as best to increase their medical knowledge, following Osler’s advice about tying reading to patient care. They will learn how to communicate with patients when they are most vulnerable. They will, above all else, learn to help individual patients.

**COURSE GRADE**
The Emergency Medicine Clerkship is a pass/fail clerkship with no honors option.

**MID- AND END-OF-CLERKSHIP MEETINGS WITH CLERKSHIP SITE DIRECTOR**
The Emergency Medicine Clerkship places emphasis on providing students with continuous feedback on their knowledge, skills and attitudes. Your final grade report form will reflect the feedback provided to you throughout the rotation. A mid-rotation meeting may be scheduled around the middle of week 2 for you to:

- discuss your performance based on the assessment forms completed by faculty during the week of the rotation and a self-assessment of your performance,
• review clinical progress via your Clinical Skills Experience Portfolio,
• plan activities for the week to match your learning objectives, and
• address any problems or concerns.

An end-of-rotation meeting will be scheduled in week 3 to:
• discuss your performance since mid-rotation,
• review your Clinical Skills Experience Portfolio,
• review clerkship objectives and your initial learning plan to assess if and how all objectives were met, and
• review your feedback forms.

CLINICAL SKILLS EXPERIENCE PORTFOLIO
The Emergency Medicine Clinical Skills Experience Portfolio (CSEP) is an electronic checklist of clinical experiences developed for the clerkship and designed for students to use to track their progress in developing knowledge and skill in the following areas:
➢ Diagnoses/Symptoms/Clinical Scenarios
➢ Physical Examinations
➢ Procedures/Technical Skills
➢ Additional Clinical Activities
➢ Additional Learning Activities

All items listed on the CSEP are required; i.e., students must document exposure to all of the listed experiences. Students are required to submit their CSEP electronically to the Clerkship Site Director for review at both the midpoint and the end of the clerkship.

See instructions below for accessing and entering data into CSEP:
➢ Links to clerkship-specific content for each CSEP are posted on AIMS M3 Clerkship Site homepage. Follow the link for CSEP and enter your Banner ID number (excluding the @ character and initial zeros);
➢ Click the fields in which you wish to enter information. Please be sure to mark Patient Type, Setting and Level of Responsibility for each item;
➢ click “Submit” when you have finished.
➢ You do not need to put in your email address because you will receive a copy automatically whenever you submit.
➢ To send a copy of your CSEP to your Clerkship Site Director or preceptor, enter their e-mail address at the bottom of the form.
➢ You can return to the site as often as necessary throughout the rotation to update your entries. All previous entries will be preserved.

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