Baylor College of Medicine
Department of Medicine- Emergency Medicine

Emergency Medicine
Clerkship Rotation Goals and Objectives
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I. Introduction and Overview

The Emergency Medicine Clerkship is a two week rotation that is designed to give students exposure to the field of Emergency Medicine and the emergent approach and stabilization to the undifferentiated patient. This course will take place in the Ben Taub General Hospital Emergency Room, which sees approximately 100,000 patients a year and is also a Level 1 Trauma Center. As part of this rotation, students will learn the emergency medicine approach to common chief complaints. Commonly, the student will be the first provider to take a full history and physical from a patient and from this form a differential and a therapeutic plan to present to the senior resident and the attending. In addition, students will have the ability to perform common Emergency Medicine procedures: laceration repairs, incision and drainage, splinting and iv insertion. Supplanting the clinical experience, the students will also have two hours of case based lectures a week, one hour of simulation sessions a week with an interdisciplinary team including PA students and pharmacy students. The students will also attend the Emergency Medicine grand rounds which is four hours of lectures a week. At the end of the rotation, the student will have to write up a formal history and physical and come up with a clinical question regarding the patient. The student will also have to read two articles regarding the topic and summarize the findings in a one page paper.

II. Clinical Sites

Ben Taub General Hospital Emergency Department.
Address:
1504 Taub Loop
Houston, TX, 77030

The Ben Taub General Hospital is a county hospital that sees approximately 100,000 patients a year. It serves a primarily underserved population and is one of only two Level 1 Trauma Centers in Harris County. In addition it is a Comprehensive Chest Pain Center and also a Comprehensive Stroke Center. At this site, the student will be able to be the first provider to see the undifferentiated patient and form a diagnostic and therapeutic plan. Students will gain exposure to a wide variety of common chief complaints for which students present to the Emergency Center.

III. Contact and Site Information

Clerkship Director: Navdeep Sekhon
Email: sekhon@bcm.edu
Phone: 925-381-5685

Clerkship Coordinator: Whitney Grant
Email: Whitney.Grant@bcm.edu
Phone: 719-87-2630

Office Location:
1504 Taub Loop
Houston, TX, 77030

IV. BCM Graduation Competencies and Educational Program Objectives (Appendix 1)
a. The educational objectives of the Clerkship in Emergency Medicine are aligned with the Graduation Competencies for Baylor College of Medicine

b. Students are expected to achieve these objectives by the end of the two week Clerkship rotation

c. This document is available through E-Value and the Blackboard application.

V. Relationship of Clerkships Objectives to BCM Core Competencies and Graduation Goals

<table>
<thead>
<tr>
<th>Medical Program Objective(s)</th>
<th>Related Clerkship Objective</th>
<th>Mode of Teaching</th>
<th>Mode of Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.4, 2.1, 3.2, 3.3, 3.5, 3.8</td>
<td>Perform pertinent, compassionate and focused history and physical exam in an emergency setting of an undifferentiated patient and utilize the findings to develop a prioritized differential diagnosis and a diagnostic and therapeutic plan for common emergent chief complaints.</td>
<td>Clinical- Perform</td>
<td>X</td>
</tr>
<tr>
<td>5.3</td>
<td>Formulate a clinical question regarding a patient encounter and answer the question using available literature and technology</td>
<td>Clinical- Perform</td>
<td>X</td>
</tr>
<tr>
<td>4.1</td>
<td>Develop a therapeutic relationship with the emergent and undifferentiated patient, utilizing resources such as translation services in order to effectively communicate</td>
<td>Clinical Perform</td>
<td>X</td>
</tr>
<tr>
<td>4.2, 7.1, 3.1</td>
<td>Identify the various team members and their respective roles within the Emergency Center and be able to effectively communicate with above team members with regards to patient care</td>
<td>Clinical- Perform</td>
<td>X</td>
</tr>
<tr>
<td>6.2</td>
<td>Demonstrate the ability to determine when it is necessary to obtain consulting services in the emergency center and be able to discuss case with consultants and follow up with</td>
<td>Clinical Perform</td>
<td>X</td>
</tr>
</tbody>
</table>
VI. You said, We did:
   a. New rotation, Pending

VII. Student Roles, Responsibilities and Activities
   o Before the rotation begins
      ▪ Students will be notified by the course coordinator as to their schedule and the time and place of the student orientation.
      ▪ Students are responsible for obtaining necessary identification, badges, computer access prior to the first day of the rotation

      Contact Information:
      Ben Taub General Hospital: Medicalstaffservices@harrishealth.org

   o Roles and Responsibilities
      ▪ Students will be given a schedule as to where and when to work in the Emergency Center for every shift. The students cannot switch shifts without the consent of clerkship director. Shift swaps will only be allowed for major conferences, medical school commitments, medical illness, family emergency or at the direction of the medical director. The expected clinical work load will be between 60-70 hours.
      ▪ The students schedule will be made in accordance with the duty hour policy for the Baylor College of Medicine. This policy can be seen in the following website:


      ▪ Students will perform focused history and physical examinations on patients in the Emergency Center. They will present their H&P to senior level residents and attending physicians.
      ▪ The students will perform follow up examination on the patients to see if diagnostic and therapeutic interventions are performed and how the patients responds to aforementioned interventions.
      ▪ By the end of the rotation, students must demonstrate the ability to perform a focused history and physical on a patient in the Emergency Center.
      ▪ Students are expected to function as a member of the health care team in the Emergency Center and helping out the team as needed
Students are expected to be familiar with the common emergencies that present to the Emergency Center and how to start diagnostic and therapeutic interventions. The common emergencies are below. The students should log that they have seen at least one of the following cases in E-value. Failure to do so will result in a decreased grade. The required cases are:

- Abdominal Pain
- Altered Mental Status
- Chest Pain
- Shortness of Breath
- Toxicology/Poisoning
- Trauma
- Shock

The students will be expected to have one history and one physical exam directly observed by an attending and evaluated during each week of the rotation.

The students will be expected to turn in one Patient Write-up during the two week rotation. The student will have to come up with a clinical question and read two papers attempting to answer this clinical question. The patient should then write a two paragraph summary of the two article answering the clinical question.

The students will be expected to attend the weekly emergency medicine lectures that are designed for medical students. This will be three hours once a week. The students will expected to read the provided material/online resources before the lectures.

The students will be expected to attend Emergency Medicine grand rounds. This will occur every Wednesday from 8am to noon.

The student will be expected to complete 5 FASTs during the rotation and log them in E-Value.

Prior to the end of a shift, the student will be expected to complete a Who do you work with in E-value with their resident/attending and provide the evaluator with the provided Ipad to perform the evaluation.

- **Lectures and Quiz**
  - The students will be expected to attend the weekly emergency medicine lectures that are designed for medical students. This will be three hours once a week. The students will expected to read the provided material/online resources before the lectures.
  - The students will be expected to attend Emergency Medicine grand rounds. This will occur every Wednesday from 8am to noon.
Prior to the Team-Based Learning Sessions, there will be a test to ensure that you have read the material. Failure of the test will result in required reading followed by an essay. If the student fails to remediate, an incomplete grade will be given.

Call Requirement

- Students are not expected to take call during this rotation

VIII. Course Schedule

1. The Clerkship rotation is two weeks in duration. Students will be working a schedule like an Emergency Medicine physician, thus students will be working night shifts and weekends. The student should expect to work two night shifts (defined as shift ending at 7am) and two weekend shifts.

2. Students will work between 60-70 hours clinically as part of this rotation.

   1. In order to comply with Baylor College of Medicine Policies, the 2nd Sunday of the rotation will be off.

3. Students will be dismissed once signout is completed for their assigned shift.

4. For the absence policy, please refer to the Baylor Clinical Absence policy in the Baylor Handbook.
   1. Of note, for absences that can be foreseen, at least 4 weeks of advance notice (prior to start of clerkship) is required for it to be considered.

5. Shift switching
   1. Shift switching with other students is not permitted without the express written approval of the Clerkship Director and the Clerkship Coordinator. Unauthorized shift switching will result in a reduction of one grade and an automatic referral to the PACE Committee. Students have abused the shift switching policy in the past.
   2. Shift switching will only be considered if the reason is an excused absence per the Baylor Clinical Absence Policy. We work hard to create an equitable schedule when it comes to nights, and weekends.

IX. Feedback and Evaluation (Grades)

a. Lecture Attendance
   1. The student must attend 90% of all Emergency Medicine Clerkship lectures and the Emergency Medicine grand rounds in order to receive their final grade unless their absence is excused. If the student misses more than 10% of the lectures for the course barring excused absences, the student will be docked one grade and will have to write a written report on a topic of the Clerkship Director’s choosing.

b. Clinical Performance
   1. The student will be evaluated by the attendings and senior residents on each and every shift using the passport. The results from these evaluations will be synthesized into a final grade. The evaluations will be entered into E-value using Epic by the course coordinator or the clerkship director.
ii. The student will have one history and one physical exam directly observed and evaluated. The attending or senior resident observing these will fill out a mini-CEX form that will be used in the final grade.

iii. The clerkship director or his/her designee will evaluate the patient write-up and journal article summaries using the patient write-up and journal article evaluation form designed for this rotation. This will be used in the final grade.

iv. The completion of the passport will be used in determination of the final grade. Loss of the passport will result in a lower grade at the discretion of the clerkship director.

C. Final Grade

i. The final grade will be based on the following:
   i. 70% Clinical Evaluations from the Passport
   ii. 5% Mini-CEX on History
   iii. 5% Mini-CEX on Physical
   iv. 10% Passport Completion and Quizes

   1. Failure of Quiz will result in remediation at the discretion of clerkship director.

   v. 10% Patient Write-up and Journal Discussion

   ii. The student will receive a final grade of Honors, High Pass, Pass, Marginal Pass, or Fail based upon their clinical performance and completion of the requirements of the course. The grade breakdown will be:

   i. 85%-100%- Honor’s
   ii. 70%-85%- High Pass
   iii. 60-70%- Pass
   iv. 50-60%- Marginal Pass

   iii. Absences or lapses in professionalism may result in a lesser final grade given to the student or course failure.

   iv. How a Failure May Be Earned for the Course:

   1. Earning a failure in the clerkship by any of the following manners will require the student to repeat the course in its entirety:

   v. ALL of the following must be completed/turned in to the Clerkship Office on or before the last day of the clerkship.

   a. Case Log in E*Value (formerly “Passport”) – 100% completion required
   b. Patient write up with clinical discussion
   c. Mini-CEX times two, ie, the direct observation.

   i. If all assignments are not complete by the official end date of the clerkship, the student will receive an INCOMPLETE in the course.
   ii. If the student completes the assignment within seven days of the end of the clerkship, a grade will be assigned accordingly.
   iii. Students will receive a DEFERRED and are subject to failure if assignments are >7 days past due.

   2. Clinical performance alone, regardless of test scores, that is 2 SD below the mean will be reviewed and may result in failure.
3. Lapses or issues with professionalism alone independent of clinical performance.
4. Failing 2 or more graded components on the clerkship (ie: the NBME and SP exam)
5. Failing only the SP or NBME Exam:
6. 1st Failure: Failing the SP exam or the NBME will result in a Deferred grade to be submitted and the student is required to retake and successfully pass the exam. The highest grade that can be received for the course will be a Pass.
7. 2nd Failure: A second Fail of the SP exam or the NBME will require the student to repeat the course in its entirety. An F will appear on the transcript and the highest grade that can be received upon repeat of the course is a Pass.
8. 3rd Failure: On repeat of the course, students who fail any SP or NBME examination on the overall third attempt will fail the course for a second time and be referred to the Student Promotions Committee for adjudication.
9. Overall performance on the clerkship that is 2 SD below the mean will be reviewed and may result in failure.

vi. The student may verify or dispute their final grade based upon the policy delineated in the Grade Verification section.

vii. Grades will be administered in a timely fashion in accordance with the policies of Baylor College of Medicine.

*BCM Course Directors in the School of Medicine shall submit final grades to the Office of the Registrar within four weeks of the end of course.

d. The rotation coordinator will launch the evaluations to the appropriate site specific supervising faculty through E*Value

e. Students will be able to evaluate the course, site faculty, and residents confidentially through the E*Value system

X. Evaluation Forms
a. See attached forms

XI. Recommended Texts/Resources

EM Basics podcast: http://embasic.org/
Ganthi, L, Kaufman, M. First Aid for Emergency Medicine, 3rd edition.
Clerkship Directors in Emergency Medicine website for medical education: Cdemcurriculum.org

XII. Policies
a. Absences and Tardiness
   i. Schedule requests are not permitted. If there is a certain time that a student cannot make it to a shift do to a reason that falls under the Baylor excused absence policy, 4 weeks notice prior to beginning of course is required for consideration.
   ii. The student will be allowed one excused absence per two week rotation. The student will have to email the clerkship director and the coordinator at least four hours prior to any excused absence, failure to do so can result in the filing of a professionalism concern. Two excused absences will require remediation. Additional absences will result in an incomplete grade and will require repeating the two week rotation.
   iii. Tardiness will not be tolerated. If a student is more than 15 minutes late to a shift, an additional shift will be added to the student's clinical schedule. In addition, any tardiness that is unexcused will result in a lowered professionalism grade and may result in failure of the course.
   iv. Unexcused absences or tardiness will negatively affect the students’ professionalism grade and may result in a failing grade.
   v. The attendance and participation policy for the Baylor College of Medicine is on the link below:

b. Dress Code
   i. Business professional with white coat or scrubs with white coat. Hooded sweaters and sweaters and jackets without Baylor or Harris Health logos will not be tolerated.

c. Professionalism
   i. The student is expected to behave in a professional manner in all settings in concordance with the guidelines of the College of Medicine
   ii. Significant lapses in professionalism may result in a lesser or failing grade on the Clerkship rotation

d. Reporting Breaches in Professional Behavior
   i. Students should report all breaches in professional behavior or mistreatment to the Integrity Hotline at 855 764-7294 or go to the Integrity Hotline Web Portal: https://secure.ethicspoint.com/domain/media/en/gui/35125/index.html
   ii. For more information see the student handbook available at: https://www.bcm.edu/education/academic-faculty-affairs/student-services/student-grievances

e. Student Grievances/Mistreatment
   i. The leadership, faculty and staff of Baylor College of Medicine are all here to support and help you on your journey to becoming a leader in your chosen
profession. In the event you have a grievance, we have created several pathways for you to receive help. Baylor community members are prohibited from retaliation.

ii. We encourage that student grievances be resolved, if possible, by the student and the individual (student, faculty, and/or staff) most closely related to the grievance.

iii. If no resolution is established, the student may ask her/his supervisor, program director, or dean for assistance.

iv. If the grievance cannot be informally resolved by the supervisor, program director, or dean, the student must be directed to the Integrity Hotline and recommended to file a written grievance. Please refer to the Student Grievances Policy.

f. Filing a Written Grievance

i. At any point, a student may choose to file a grievance utilizing the Integrity Hotline (phone number or web portal). To file a grievance by phone, call toll free at (855) 764-7292. An operator will document all the information regarding your grievance. If you are not filing anonymously, the operator will also document your personal information. Once all the information is obtained, the operator will file on your behalf.

ii. To file a grievance online, go to the Integrity Hotline Web Portal. Select the category that best matches your concern or grievance.

iii. You may choose to identify yourself or to file anonymously. If you choose to file anonymously your confidentiality will be protected to the limit of the law and within the scope of certain program accreditation requirements.

iv. Once the grievance has been filed (via phone or online), you will be asked to create a password. You will be assigned a tracking number, called a Report Key. You may use your Report Key and your password to log back into the Integrity Hotline Web Portal to check status, answer follow up questions (if any) or submit new information.

v. Written grievances are handled in accordance with the College’s policy on student grievances. Written grievances filed through the Integrity Hotline shall follow prescribed grievance resolution procedures for written grievances based upon grievance type (grade appeal, adverse academic action appeal, other academic or student services/conduct grievance, non-academic professionalism mistreatment).

vi. Grade appeals and Adverse Academic Action Appeals must be submitted within ten business days of the grade/action posted.

vii. The Office of Compliance will work closely the Office of the Provost to triage student grievances.

g. Mistreatment Policy
i. Mistreatment either intentional or unintentional, occurs when behavior shows disrespect for the dignity of others and unreasonably interferes with the learning process.

ii. Examples of mistreatment include sexual harassment, discrimination, humiliation, and other forms of assessment in a punitive manner.

iii. Students should report all mistreatment to the Integrity Hotline at 855 764-7294 or go to the Integrity Hotline Web Portal: https://secure.ethicspoint.com/domain/media/en/gui/35125/index.html

iv. For more information see the student handbook available at: https://www.bcm.edu/education/academic-faculty-affairs/student-services/student-grievances

h. Grade Verification
   i. Due process involves providing students with a clear description of course expectations, including grading requirements, as well as behavioral and professionalism guidelines.

   ii. Students may have questions about their final grade or the grading process. If students want to verify their final grade, they are first encouraged to meet with the course/clerkship directors informally to discuss those questions.

   iii. After grade verification and discussion, the student may choose to proceed with a formal grade appeal if they believe they have received a grade unjustly. The link to the process follows below:


   iv. Grievances are not the same as disagreements. A student cannot file a grievance merely because s/he disagrees with the grade. A student can file a grievance if they believe the grade was unfair, for example, if it is felt to be an act of discrimination.

i. Patient Safety
   i. Patient safety is everyone’s responsibility. Concerns should be reported to the appropriate affiliated institution for both quality improvement and assurance.

   ii. Click on the link below for information on how and where to report at BCM affiliated institutions: Guide_to_Reporting_Patient_Safety_Incidents_7_14_2015.pdf

j. Course Failure
   i. Earning a failure in the clerkship by any of the following manners will require the student to repeat the course in its entirety:
      1. Clinical performance alone, regardless of test scores, that is verified as being 2 SD below the mean
      2. Lapses or issues with professionalism alone, after confirmation by due process, independent of clinical performance
3. Failure to remediate the quiz before Team Based Learning
   
   ii. If a student fails the Emergency Medicine Clerkship rotation, they will be required to repeat the course at a later date.

   iii. The student may file an appeal or grievance in accordance with the policies listed above.

   iv. The student can only receive the maximum of a pass grade for the repeated rotation.

   v. Lapses or issues with professionalism alone independent of clinical performance will result in course failure

   vi. Overall performance on the clerkship that is 2 SD below the mean will be reviewed and may result in failure.

Appendix 1

Baylor College of Medicine Core Competency Graduation Goals

1. Professionalism
   Each student graduating from BCM will:
   1. Apply ethical decision making that upholds patient and public trust
   1.2. Employ honesty, integrity, and respect in all interactions
   1.3. Demonstrate a commitment to advocate for the needs and well-being of patients, colleagues, and self
   1.4. Demonstrate caring, compassion, and empathy
   1.5. Demonstrate awareness of one’s own biases and sensitivity to diverse patients and colleagues
   1.6. Identify and fulfill responsibilities and obligations as a learner and a colleague
   1.7. Recognize and avoid conflicts of interest
   1.8. Adhere to patient confidentiality rules and regulations

2. Medical knowledge
   Each student graduating from BCM will:
   2.1. Demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to diagnose, manage, and prevent disease
   2.2. Utilize the principles of public health, epidemiology, and biostatistics in identifying and reducing the incidence, prevalence, and severity of disease to improve health
   2.3. Interpret diagnostic tests as they relate to common clinical, laboratory, and radiologic findings in the
3. Patient care

Each student graduating from BCM will:

3.1. Demonstrate the ability to engage in an interprofessional team in a manner that optimizes safe, effective patient and population-centered care

3.2. Develop and implement patient evaluation and management plans appropriate to all levels of patient acuity

3.3. Develop a prioritized problem list and differential diagnosis using patient's biopsychosocial history, medical records, physical exam findings, and diagnostic studies

3.4. Obtain consent for and perform basic technical procedures competently

3.5. Perform comprehensive and focused biopsychosocial exams in a variety of patient care settings and recognize when each is indicated

3.6. Assess health risks using gender- and age-appropriate criteria and recommend potential preventive and therapeutic interventions

3.7. Select and interpret diagnostic tests accurately

3.8. Interpret physical findings accurately

3.9. Utilize critical thinking to provide appropriate evidence or support for clinical decisions and management of diseases

3.10. Provide timely and accurate documentation of all assessment, plans, interventions, and orders – including prescriptions and transfers-of-care between providers or s
4. Interpersonal and communication skills
   Each student graduating from BCM will:
   4.1. Demonstrate patient-centered interview skills in order to create and sustain a supportive and therapeutic relationship with patients and families
   4.2. Demonstrate the ability to communicate effectively, efficiently, and accurately as a member or leader of a health care team
   4.3. Demonstrate the ability to effectively communicate and collaborate with colleagues, other health care professionals, or health related agencies
   4.4. Apply verbal and written medical communication skills to basic and advanced medical scenarios

5. Practice-based learning and improvement
   Each student graduating from BCM will:
   5.1. Identify personal strengths and deficiencies in one’s knowledge, skills, and attitudes to integrate feedback and set personal improvement goals
   5.2. Use and manage technology to access medical information resources to expand personal knowledge and make effective decisions
   5.3. Apply principles and practices of evidence-based medicine (EBM) in making decisions about prevention, diagnosis, and treatment of disease

6. Systems-based practice
   Each student graduating from BCM will:
   6.1. Analyze the roles insurance plans and health care providers play in the health care system and how they affect providers’ and patients’ behavior
   6.2. Provide appropriate referral of patients, including ensuring continuity of care throughout transitions between providers or settings, and following up on patient progress and outcomes
   6.3. Examine the role of quality improvement and clinical pathways in optimizing health systems
   6.4. Demonstrate the rationale for reporting and addressing events that could affect patient safety

7. Leadership
   Building upon the foundation of competence in the other six domains, each student graduating from BCM will be able to:
   7.1. Demonstrate the ability to work effectively as a member of an interprofessional health care team
   7.2. Demonstrate the ability to give and receive behaviorally-specific feedback
   7.3. Utilize skills that enhance the learning environment and team functioning