



INTEGRATED
CURRICULUM
EVALUATION
EXERCISE

Purpose of the ICEE

Demonstrate the following skills

- **Organized problem focused(4 patient encounters)**
 - **Medical interview**
 - **Physical exam**
 - **Appropriate counseling**
- **Complete post-encounter note (4 patient notes)**
 - **Differential diagnosis**
 - **Diagnostic management plan**
- **Conduct organized oral case presentation**
- **Professional interaction and communication skills**

Four Patient Encounters

- Acute, chronic, well-care, behavior challenges
- Patient identifiers
- Interview
 - HPI and pertinent PMH, FH,SH, ROS
- Physical exam
 - NO breast, genital, rectal or pelvic exam
- Counseling if indicated
 - Always respond to patient questions and concerns
- Inform patient of impression and plan

Four Patient Encounters

- 15 minutes
- 5 minute warning
- Follow instructions carefully
- Take notes during the encounter
- Copy of instructions in the patient's room
- May leave room early
- May NOT re-enter room once you leave

Patient Encounters

- Functioning as a 4th year student
- Primary care setting- 1st visit
- No reference material
- Equipment in room (use your stethoscope)
- Treat patient as genuine
- Exam confidentiality
- Videotaping

Sample Case Instructions

- **Mr. Jones is a 50-year-old man who presents to the clinic with concerns about his risks for cancer.**
- 1. Perform a medical interview focused to this patient's condition, and provide appropriate counseling.**
 - 2. Inform the patient of your diagnostic impressions and plan, and respond to any patient questions and concerns.**
- **You have a total of 15 minutes to read this information and conduct the patient encounter. You may knock and enter the room when you are ready.**

Sample Case Instructions

- **Ms. Smith is a 60-year-old woman who presents to the Emergency Department with headache.**

BP 160/95

Pulse 90/min

RR 14/min

T 37.2° C orally

- 1. Perform a medical interview and physical examination focused to this patient's problem(s), and provide appropriate counseling.**
 - 2. Inform the patient of your diagnostic impressions and plan, and respond to any patient questions and concerns.**
- **You have a total of 15 minutes to read this information and conduct the patient encounter. You may knock and enter the room when you are ready.**

Four Patient Notes

- **Completed after each patient encounter**
- **10 minutes for each note**
- **Narrative or bullet style**
- **Include:**
 - **Pertinent positive/negative history findings**
 - **Pertinent positive/negative physical findings**
 - **Rank- ordered differential diagnosis**
 - **Data to support each diagnosis listed**
 - **Initial diagnostic plan**

Post-encounter Patient Notes

- **Two acceptable interview format examples**

Mr. Jones has experienced three similar episodes of chest pain over the past month. The pain was dull and squeezing, sub-sternal without radiation, and associated with dyspnea on exertion but no diaphoresis. She noticed the chest pain whenever climbing stairs...

Mr. Jones has experienced episodes of chest pain:

- total of 3 episodes
- occurred over 1 month
- dull, squeezing
- substernal; no radiation
- DOE with no diaphoresis
- occurs when climbing stairs

Post-encounter Patient Notes

- Two acceptable physical exam format examples

Fundoscopy exam:

Arteriolar narrowing
without hemorrhage

CV: PMI was in the 5th
intercostal space; 2 cm
lateral to the mid-
clavicular line

Heart sounds were normal
without murmur or gallop

Fundi:

- arteriolar narrowing
- no hemorrhage

CV:

- PMI @ 5th ICL, 2 cm lat
to MCL
- S1 S2 normal without
murmur or gallop

Post-encounter Patient Notes

- **Differential diagnosis**
 - Most likely to least likely

| Diagnosis |
|-----------------------------|
| 1. Myocardial infarction |
| 2. Unstable angina pectoris |
| 3. Pulmonary Embolus |
| 4. Esophageal Reflux |

Pertinent Positive/Negative Examples

1. Diagnosis: Myocardial infarction

Supportive Data from the History and Physical Exam

| PERTINENT <u>POSITIVE</u> | PERTINENT <u>NEGATIVE</u> |
|----------------------------------|----------------------------------|
| Substernal chest pain | No tobacco use history |
| Dyspnea on exertion | No family history of CAD |
| A-V nicking on fundus exam | Normal peripheral pulses |

2. Computer note format:

| History Findings | Physical Exam Findings |
|--------------------------|---|
| Substernal chest pain | A-V nicking on fundus exam |
| Dyspnea on exertion | Normal peripheral pulses |
| No family history of CAD | Normal S ₁ S ₂ , no murmurs |
| No tobacco use history | Laterally displaced PMI |

Post Encounter Patient Note

- **Diagnostic Plan:**

| Diagnostic Studies: |
|----------------------------|
| 1. Electrocardiogram |
| 2. Troponin level |
| 3. Cardiac enzymes |
| 4. Chest radiograph |
| 5. Basic metabolic panel |

- **Include procedures, genital, rectal and pelvic exam**
- **Do not include therapeutic management**

Patient Revisit and Note Revision

After each pt encounter and initial note

- **Additional 3 minute revisit**
 - **interview, exam and/or counseling**
- **Additional 3 minutes to update note**

Faculty Session

- **Meet with faculty after completing all 4 patient encounters**
- **Faculty will have your written notes**
- **Faculty will typically ask you to:**
 - **Make at least one oral case presentation**
 - **One oral presentation will be required**
 - **Answer questions about most or all four cases**
 - **Explain your diagnosis or plan**
 - **Discuss a clinical issue related to the cases**
 - **Discuss a basic science principle related to the cases**

Evaluation

Students are rated by faculty in five categories

- **Medical interview**
- **Physical examination**
- **Communication**
- **Problem solving**
- **Professional behavior**
 - **Appearance- clean, professional**
 - **Non judgmental**
 - **Aware of patients' physical/emotional comfort**
 - **Solicit/address patients' concerns and questions**
 - **Accepts criticism and self-identifies limitations**

Final Pass/Repeat Decision

- **Must pass each of the five categories**
- **Faculty will complete the evaluation form and tell the student the Pass/Repeat decision**
- **A passing grade completes the ICEE requirement**
- **All students are allowed two faculty observed ICEE attempts before a Failing grade is reported**
- **Students will receive performance feedback before retaking the exercise**

Contacts

- ICEE Director
 - Anita C. Mercado, MD
 - E-mail: acmercad@utmb.edu
- ICEE Coordinator
 - Mary Mallini
 - E-mail: mmmallin@utmb.edu
- ICEE Website
 - <http://meded.utmb.edu/year4/icee/icee.htm>