The OSCE+ Model: A Multi-station Rounding Exercise for Pre-clinical Medical Students
Disclosure

Neither presenter has any financial disclosures to claim.
Objectives

By the conclusion of this session, the learner will be able to:

1. describe our “OSCE+” concept.

2. implement an OSCE+ approach to preparing medical students for clinical rounding prior to their clinical rotations.
Take a moment back in time…..

Remember the first time you drove an automobile on the street... try to remember...

- how your body felt?
- what you were thinking?

What did it feel like when...

- you started down the street while approaching parked cars on the side of the street?
- a car was coming the other way towards you on the other side of the street
- you made your first left turn?
- you approached your first pedestrian crossing the street?
- and, how you felt once you arrived at your destination?
Now think about how you drive the car today!
Rounding

“Oh boy, this could be bad - hold your breath”

“Whew I did it!”

Patient presentations

Sensory over-stimulation

“Racing heart”

“Cloudy thoughts"

“Finally, end of the day. Boy my feet hurt!”
Developed to provide students with an opportunity to experience all of the components of patient rounding:
- Pre-rounds
- Note writing
- Diagnostic interpretation
- Rounding
- Patient presentation
- Patient follow-up
- Preceptor evaluation
- Patient feedback
Patient cases

- 10 Wellness Visits
  Topics covered
  - Diet/exercise/weight loss counseling
  - Routine medication refill/med interaction
  - Hypertension
  - Diabetes
  - Childhood Vaccinations
  - Colonoscopy/Immunization screening
  - COPD/Asthma/smoking cessation

- 10 Sick Visits
  Topics covered
  - Abdominal pain/Diverticulitis
  - Sore throat
  - Chest pain
  - Shortness of breath
  - Pyelonephritis/nephrolithiasis
  - Cellulitis
  - Adult presentation of a congenital cardiac defect
  - Migraine headache
  - Depression
40 medical students and 4 faculty/attendings participate
- 20 students see sick visits
- 20 students see wellness visits

Pre-rounding
- 2 students per patient
- Split into A/B teams

Rounding
- 10 students per attending that round on 10 patients in the morning and 10 patients in the afternoon

Evaluations
Pre-Rounding (1 hour)

- 2 students see a patient as a team
- They then split into A/B teams to complete their own SOAP note, including interpretation of all diagnostic tests that are part of the chart (labs, ECGs, PFTs, x-rays, ultrasound)
- They have a total of 1 hour to complete the pre-rounding task
Rounding (2-3 hours)

- One attending physician per group of 10
- Students present patient in front of attending and cohort
- Rounding team then see's patient and attending gathers further history, performs a focused physical exam, then discusses plan with patient and asks if any questions
- Attending physician assess student’s
  - SOAP Note for detail and completeness
  - prescription for accuracy and completeness
  - patient presentation
Evaluation of Students

- Standardized Patient (SP) evaluation
  - Completed Press-Ganey style questionnaire by the SP for later review

- Attending physician evaluation
  - Direct and immediate feedback on rounds
  - One-on-one session completed by rounding attending at the completion of the day of rounding with each student
“The OSCE+ was AWESOME preparation for oral presentations, however, we NEED more of it!!”
“This is why I came to medical school… finally I am doing what I want to do!
“This experience was exhausting, but I loved it.”
“I need better shoes.”
“My feet are killing me; I need to buy better shoes.”
“My back hurts from standing for so long!”
“What shoes do you recommend I get?”
“I had a hard time keeping my attention by the last patient of rounds.”
“By far, the best activity I’ve done at CUSOM!”
Future Plans and Possibilities

- Intensive Care patients
- Adding procedures
- Adding a rapid response team activity (“interrupting” rounds)
- Adding EHR
  - Information access and navigation
  - Drug interactions
  - Drug allergy warning systems
  - Computerized order entry
- Cover/Assess Entrustable Professional Activities (EPAs)
  - Currently in review/AACOM Poster
- Residency milestone evaluations
Questions

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