

Virtual OSCE Solutions for Nurse Practitioner Students During COVID

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University of South Alabama Nursing

- Advanced practice registered nurse program
11 NP tracks
- MSN and DNP Programs
10 NP tracks
- Required clinical hours in specialty track areas
- 2022 **FNP** current enrollment: 974 students
- All NP students attend remotely

Background

Liaison Committee on Medical Education

- Nurse Practitioners vs Medical School instruction
- Liaison Committee on Medical Education (LCME) accreditation standards
- Every LCME-accredited medical school in the United States requires completion of the national OSCE to assess students' clinical skills and the effectiveness of the curriculum in order to graduate

Objective Structured Clinical Examination

- Approach to assessing clinical competence in which components are assessed in structured way with attention being paid to the “objectivity” of the examination.
- A framework consisting of multiple stations around which students rotate and perform specific tasks used for assessment in health care disciplines

Family Nurse Practitioner Students

- FNP faculty require OSCE since 2018
- Must come to campus last semester for OSCE exam
- Must make 80%
- Must complete H&P on two patients

Instrumentation

Instruments Used

- Zoom platform with breakout rooms
- LearningSpace: platform used in Healthcare Simulation
 - Computerized note writing
- Master Inventory Rating Scale (MIRS)
 - Standardized Patient Grading instrument
- LearningSpace:
 - Video recording graded by Simulation Faculty

FNP OSCE LearningSpace Grading Criteria

- 60 % Written computer note after patient encounter
- 20 % Communication with your patient graded according to the Master Inventory Rating Scale (MIRS)
- 20 % Physical Examination of the Standardized Patient video-graded by Simulation Faculty with rubric for grading standardization

Standardized Patient Preparation

- Standardized patients (SPs)
 - Paid contractors
 - Level 1: novice
 - Level 2: intermediate
 - Level 3: expert
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- SP scheduled per patient case demographic
 - SP case training and practice (2)2 hours for OSCE
 - SP regular training only (1)2-hour training
 - SP zoom training and event run through

Encounter Details

Standardized Patient Cases

- 60-year-old male
- Chief complaint
 - Chest pain

- 48-year-old female
- Chief complaint
 - Burning with urination

Encounter Timing

- 2-hour total encounter
- First 30-minutes:
 - introduction and Q&A
- Next 1 ½ hours:
 - see **2 patients** and write computerized note
- Last 30-minutes:
 - quiz to assessment diagnosis and plan

Event Details

- Technical Difficulty Contact person information provided to students
- Simulation staff to move SPs and students to breakout rooms
- Timing notifications provided through zoom and LearningSpace platform

Conclusion

Student Performance & Satisfaction

- 160 NPs completed OSCE examination
- OSCE occurred over 8 two-day simulation sessions (Oct and Nov)
- All but 2 students were successful
- Those two omitted the entire verbalization of the physical exam
- Student survey: 72% stated they felt more prepared to successfully complete an history and physical on patients once they graduate
- Failures: Nursing faculty determined remediation, no graduation.

Student Performance & Satisfaction

- This type of remote OSCE can be modified and used versus the in-person current national OSCE process.
- More OSCE-type simulation encounters should be performed and evaluated for effectiveness
- All nurse practitioner students should be required to complete an OSCE before graduation to ensure competency

Questions



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