

Innovative Teaching Methodologies to Improve Nurse Practitioner Students' Competencies

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The MS- Family Nurse Practitioner Program

- Education and training of the FNP students
- Transition to provider role
- Barriers[variability in clinical experience, and resources]
- Learner characteristics
- Role of faculty

Simulation

- Definition
- Fidelity or realism in simulation
- Resources
- Access to quality education





Need and Innovation

Innovative

Equitable

Resourceful

Impactful

Purpose

The purpose of the study was to evaluate the effectiveness of simulation using faculty standardized patients on perceived confidence in performing select competencies among family nurse practitioner students.

Objectives

- Take a history of an adult patient presenting with abdominal pain with focus on pertinent positive and negative symptoms
- b) Perform focused physical exam for a patient with abdominal pain
- c) Formulate a broad set of differential diagnosis based on history, physical exam and diagnostic test results
- d) Develop and communicate the plan of care in collaboration with the patient

What are competencies ?

How is it measured?

Methodology

Pre-brief

Introduction to patient

Procedure

Debrief

Evaluation of Learning

- Kirkpatrick level 1
- Kirkpatrick level 2

Table 1: Comparison of pre and post simulation confidence levels

Competency	Median (Pre)	Median (Post)	Z scores	p -value
History taking	2.153	2.769	-2.530	.011
Performing physical exam	2.307	2.692	-2.236	.025
Formulating Differential Diagnoses	2.000	2.769	-2.887	.004
Planning care	2.076	2.846	-2.640	.008

References

1. Jeffries, P. R., & Slaven-Lee, P. (2024). *A Practical Guide for Nurse Practitioner Faculty Using Simulation in Competency-based Education*. Lippincott Williams & Wilkins.
2. Kirkpatrick, A., Ball, S., Connelly, S., Hercinger, M., Hanks, J., Potthoff, M., ... & McCafferty, K. (2018). Intraprofessional simulation's impact on advanced practice and baccalaureate student self-efficacy. *Clinical Simulation in Nursing*, 16, 33-39.
3. Nadadur, S., Lundy, T., Dickson, D., & Dobson, C., (2025). Faculty as Standardized Patients: An Innovative Approach to Simulation in Nurse Practitioner Education. *J Comp Nurs Res Care* 10(2):218
<https://doi.org/10.33790/jcnrc1100218>
4. National Organization of Nurse Practitioner Faculties (2024). *Competency Implementation Guide for Nurse Practitioner Faculty*. NONPF, Washington DC.