COLLEGE OF NURSING

Integrating Video-Recorded Unfolding Case Studies with NGN Quizzing *in an Undergraduate Clinical Judgment Applications Course*

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Purpose Statement

This grant funded project had two purposes:

To improve faculty self-efficacy in developing clinical judgment strategies.

To increase clinical judgment for pre-licensure nursing students.
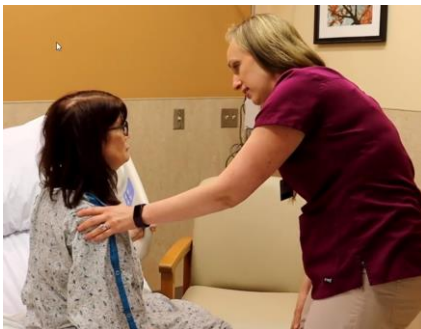
NEXT GENERATION NCLEX-RN

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Methods

Created 3 video-recorded case studies.

Developed a written case study with 6 NextGen questions that was used as a pre & post quiz.

Conducted a focus group interview to explore teacher self-efficacy in faculty members using this new teaching format.

Case Study # 1 – Patient with New Onset CVA

Recognizing New Neurologic Changes

Steps in Clinical Judgment
- Recognize Cues
- Analyze Cues
- Prioritize Hypotheses
- Generate Solutions
- Take Action
- Evaluate Outcomes

Case Study # 2 – Patient with Lung Cancer

Delivery of News to a Patient & Family Member

Case Study # 3 – Patient with a Spinal Cord Injury

Introducing a Mental Health Focus

Using a Canvas Learning Management System

Results: Part 1- Student Focused

Nearly 140 students completed the pre & post-quizzes

Due to a technical issue, one dataset was excluded. (FACT 1 Cohort – Lung Cancer)

The same 6 question set was used for both pre & post quiz.

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Pre-Post Quiz Results

Groups	N	CVA Pretest M (SD)	CVA Posttest M (SD)
FACT1	98	1.82 (1.05)	2.45 (1.25)
FACT2	16	2.50 (1.15)	3.44 (1.31)
TRAD	22	2.14 (1.36)	3.00 (1.35)
Total	136	1.95 (1.13)	2.65 (1.31)

Groups	SCI N	SCI Pretest M (SD)	SCI Posttest M (SD)	Lung N	Lung Pretest M (SD)	Lung Posttest M (SD)
FACT1	97	1.73 (1.09)	3.09 (1.53)			
FACT2	16	1.63 (0.96)	4.50 (1.51)	16	3.50 (1.21)	4.13 (1.02)
TRAD	22	1.77 (1.27)	3.64 (1.68)	22	3.32 (1.43)	3.95 (1.30)
Total	135	1.73 (1.10)	3.35 (1.61)	38	3.39 (1.33)	4.03 (1.03)

- The highest possible score on each test was 6 points
- No partial credit was awarded

Findings: Part 2- Faculty Focused

5 individuals participated in the 90-min faculty focus group

All faculty members were eager to share their experiences

Themes Emerged

Bandura's Self-Efficacy Model	Performance Outcomes
	Physiologic Feedback
	Verbal Persuasion
	Vicarious Experiences
Newly Emerged Themes	Growth Mindset
	Interdisciplinary Team Work
	Next Steps

Overcoming Barriers

Faculty Time/Commitment

Videographer Services

IRB Requirements

NGN Question Development Learning Curve

Coordinating Schedules

Faculty Attrition
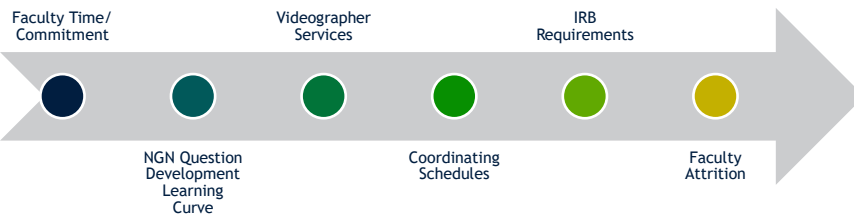
Conclusion

This innovative classroom strategy has potential to improve teaching and learning in academic nursing classes.

Faculty reported increased self-efficacy when working together as a team and supporting each other through this learning curve.

Drs. Wenner & Jenkinson would love to continue the conversation with you and can be reached at
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References available on request