

Introduction

In the changing world of healthcare, the demands involved with clinical patient care forces nursing students to utilize advanced clinical reasoning skills. Today nursing schools are required to teach students how to develop and sharpen clinical judgment. Simulation assists in instruction by meeting needs of all learning styles. Research has shown that nursing students tend to be more visual/verbal in learning; therefore, in simulation, learner engagement is essential for concept teaching.

Purpose

- Expose students to clinical presentation of disease
- Introduce first semester BSN nursing students to moulage use in simulation
- Determine the importance of moulage use in large simulations
- Develop a cost effective way of using moulage in simulation



Discussion

- BSN nursing students involved in the research were N = 35
- Students were exposed to clinical moulage that included the presentation of PVD, Arterial Disease and Pressure Injury.
- Presurvey regarding what was displayed with the clinical moulage was administered.
- Moulage was created using caulk, face paint, Mod Podge glue and manikin wax.
- A patient simulation was completed in which moulage was used to enhance a clinical scenario.
- Postsurvey was administered, repeating presurvey questions with additional questions regarding how realistic was the moulage and what type of learning style the student used in the simulation as it related to VARK (Visual, Auditory, Read/Write, Kinesthetic)
- Resulting data was examined using McNemar's analysis



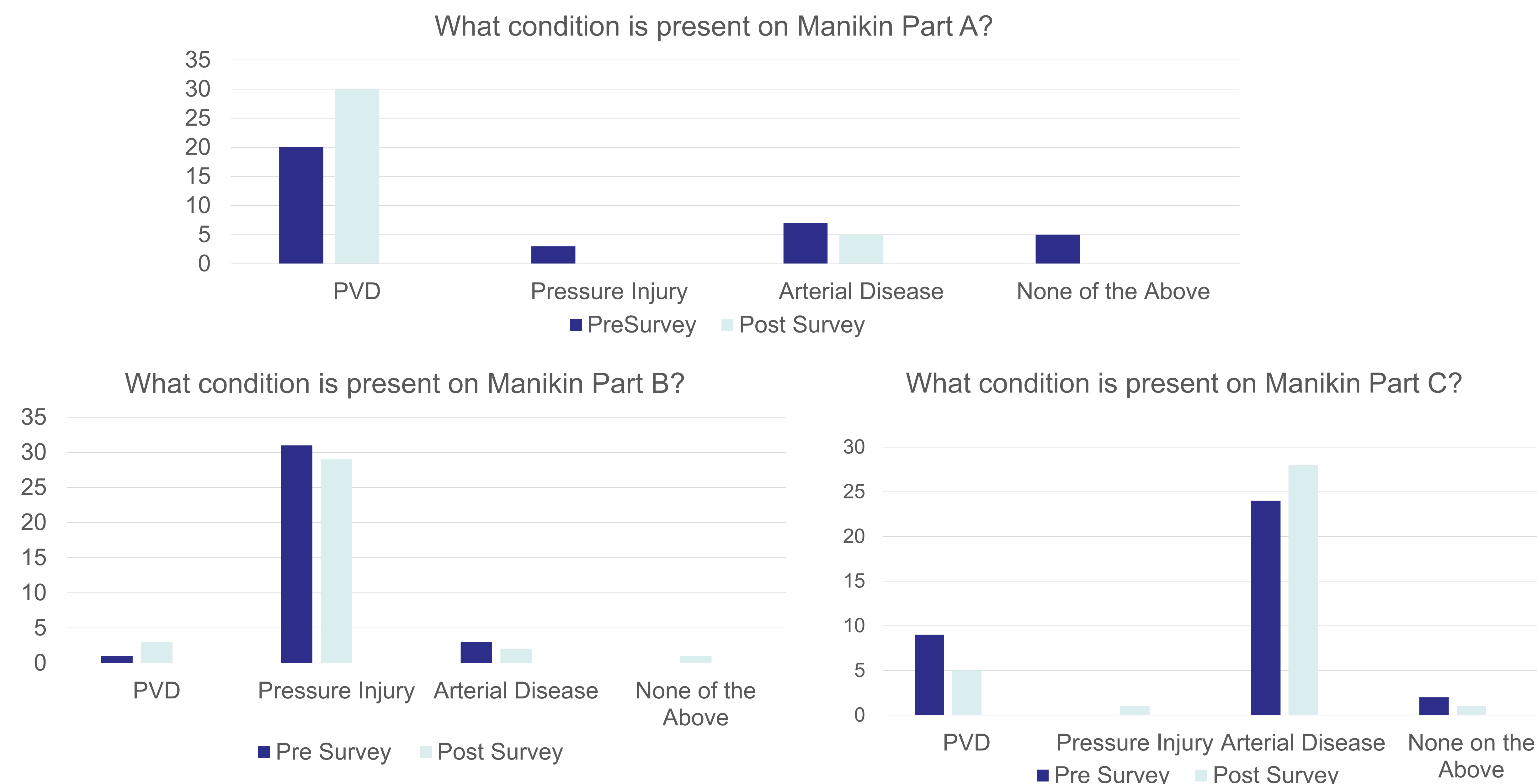
Results

The final results compared the increase in the percentage of correct answers from the pre survey to post survey.

McNemar's Analysis

- Examined 35 students that completed both pre and post survey
- Mean presurvey score 71.4% correct answer
- Mean postsurvey score 82.9% correct answer
- One significant change was noted in the PVD question. Students answered the pre survey question correctly at a rate of 57% compared to 85.7% for the post survey
- 74% of students felt moulage was realistic
- 77% of students self-identified as visual learners

Research Comparing Pre and Post Survey Results



Conclusion

The findings from the study indicate that moulage use in simulations adds to the retention of important clinical information improving assessment skills that will create better patient outcomes.

