



Emergency Situation Simulation Education In Pre-Licensure Nursing Students

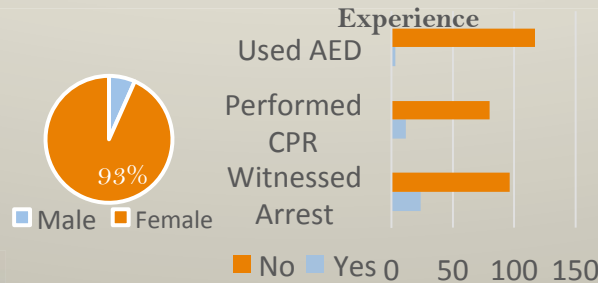
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Background

- Per AHA – over 475,000 Americans suffer a cardiac arrest each year
- Only about 45% survive thanks to immediate CPR
- Simulation allows nursing education to make experiences happen to better aid student development
- Nursing students possess theoretical knowledge needed to identify a patient deteriorating.
- Many nurses feel incompetent in their BLS skills and state they have never experienced an arrest.
- Simulation is a safe learning environment

Demographics



Conclusion

- Sim-based education is effective in increasing self-efficacy in emergency situations.
- Improvements in clinical judgment, technical skills and competence can come from simulation
- More opportunities to perform CPR can increase initiation time of CPR

References

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Purpose

The purpose of this project was to determine if an emergency situation simulation exercise will improve the self-efficacy and competence in second semester senior nursing students which has the potential to improve patient outcomes.

Findings

BASIC LIFE SUPPORT AND DEFIBRILLATION SELF-EFFICACY SCALE

Recognition & Alertness	Paired t-test Result
Assess consciousness within 5 seconds	.000
Shout for help and continue 'Primary Survey	.005
Open the airway	.001
Assess breathing in 10 seconds	.000
Call for help and initiate CPR	.665
CPR	
Perform CPR according to guidelines	.199
Effective chest compressions	.001
Effective rescue breaths	.013
Maintain correct ratio of CPR to breaths	.000
Safe Use of AED	
Switch on AED as soon as available	.004
Follow AED prompts in correct order	.023
Attach AED appropriately	.032
Ensures no one touches the victim	.160
Deliver rapid and safe shocks	.001
Resume post-shock protocol without hesitation	.022
Guarantee minimal interruptions in CPR	.000
Continue as directed AED prompts	.004

Methods

- Non-experimental
- Pre-/Post-Interventional Study
- EKG & Mini-ACLS Class
- Descriptive Statistics & Paired t-test analysis

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