

Don't Go Breaking My Heart

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Published In/Presented At

Artesani, A. Bortz, A. Fry, S. Knerr, J-L. Yanik, E. (2019, August 9). *Don't Go Breaking My Heart*. Poster presented at: LVHN Vizient/AACN Nurse Residency Program Graduation, Lehigh Valley Health Network, Allentown, PA.

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BACKGROUND

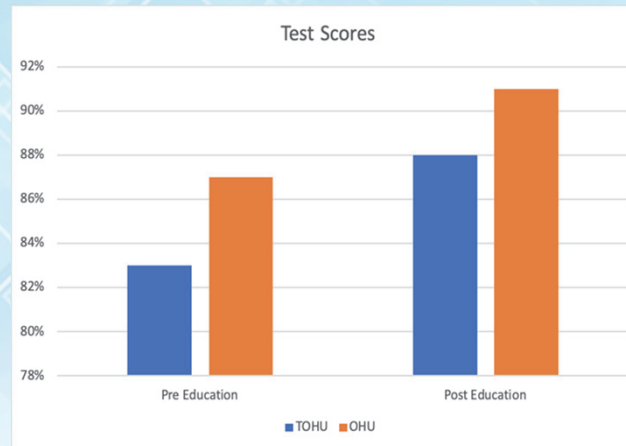
- Epicardial pacing wires are utilized frequently for post operative cardiac surgery patients for treatment of “symptomatic bradycardia, hypotension or hypoperfusion” (CTS protocol).
- Nurses on both OHU/ TOHU manage these patients. Experienced and inexperienced RNs have expressed a lack of comfortability in managing pacing wires and boxes.
- In an emergency situation, it is imperative that RNs be comfortable connecting patients to, setting and managing the pacing boxes.

DISCUSSION

- Nurses infrequent use or discomfort using a specific technology, can lead to increased anxiety, lack of concentration, perceptions of added complexity and potential avoidance of being involved in its management.
- Regardless of age, gender and years since undergraduate education, preferred learning styles vary. Although hands on and simulation based learning styles are most effective, education should be provided in multiple ways in order to meet the needs of all types of learners. (McCrow, Yevchak and Lewis, 2014)
- According to Kim et al. 2016, “Simulation-based nursing educational interventions have strong educational effects, with particularly large effects in the psychomotor domain.”

PICO

- Project Purpose: In OHU/TOHU, does pacemaker education with simulation improve nurse’s knowledge and comfortability?
- P- OHU/TOHU nurses caring for patients with epicardial wires
- I- Addition of simulation education at annual education days
- C- Current education practices
- O- To improve nurse’s knowledge and comfortability with pacemaker wires/boxes



METHODS

- Implementation of hands on simulation at annual education days
 - Practicing common pacing situations
 - Practicing correct wire care
- Pre and Post surveys to determine nurses’ knowledge of and comfortability with epicardial wire and box management
 - Pre survey to determine current knowledge and comfort
 - Post survey immediately after simulation

RESULTS

- From the pre and post surveys the education shows to be effective in increasing knowledge
- Continue to provide yearly hands on and simulation based education in conjunction with other learning methods.

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