



WATCH NOW

Introduction

- How does the Emergency Department (ED) nurse can be prepared to perform infrequently performed skills in an unpredictable environment.
- Infrequent tasks can create anxiety and negatively impact the ED nurse's performance (Munroe et al.,2016).
- Uncertainty and unpredictability of a patient's clinical presentation can create the ED nurse feeling unprepared, incompetent, and defeated (Fry &McGregor,2014).

Regulatory Bodies

JACHO accredited & Magnet® facilities encourage education and autonomy in nursing practice.

Patient Safety & Medical Errors

Patient safety is at the core of education and training (Leflore & Thomas, 2016).

Medical errors are related to lack of preparedness from limited education,(WHO, 2008).

Self-confidence & Self-efficacy

"Self-efficacy is the confidence in one's ability to organize, judge, and perform the actions necessary to accomplish a given task" (Kim, 2018, pp. 258-259).

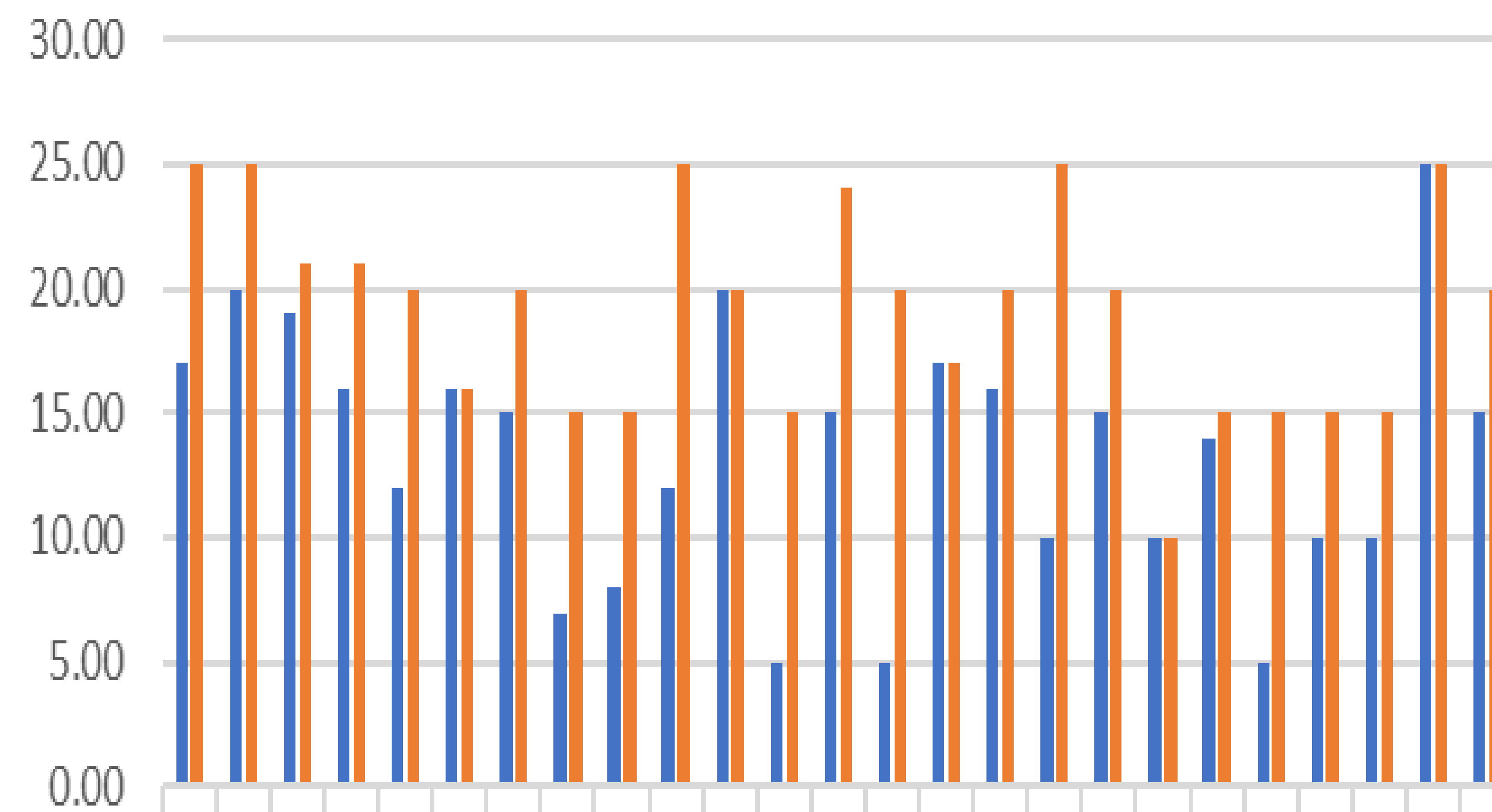
Educational Training & Technology

Technology for skill validation supports ED nurse's self- efficacy & confidence prior to performing an uncomfortable skill in real time (Leszczynski et al., 2018).

Methods

- Two video modules of the most infrequently performed procedures (Port-a Cath access & A-Line set up) identified by staff at the site and was available for one month.
- Pre-survey confidence scale using a Likert Scale of 1-5 was given to participants one week before intervention (Grundy,1993). Post- survey using the same confidence scale & a program evaluation (National League of Nursing, 2019).
- Participants did not have to perform the procedure in the video module. Results were analyzed using a paired t-test.

Pre & Post-Test Data



■ Pretest	17	20	19	16	12	16	15	7	8	12	20	5	15	5	17	16	10	15	10	14	5	10	10	25	15
■ Posttest	25	25	21	21	20	16	20	15	15	25	20	15	24	20	17	20	25	20	10	15	15	15	15	25	20

■ Pretest ■ Posttest

Results

25 total participants

Mean Scores:

Pre-test score: **13.36** participants felt confident in a "good number of

Post-test score: **19.16** participants felt confidence in performing "almost all of the steps."

Program evaluation: **4.64** the participants "agreed" to "strongly agreed" the video modules program was an effective teaching method.

Increase of confidence level score by 5.8.

Paired t-test: statistically significant p value of .005.

Discussion

- Results of this study support previously established literature of the importance and necessity of evaluating self-confidence for nurses.
- This pilot study identified that there is an impact on ED nurse's self-confidence with infrequently performed clinical skills.

Health care Policy

- The videos followed the policies and procedures outline and approved by the sites evidence-based practice & policies and procedures council.

Quality & Safety

- The quality and accuracy of care delivered has a direct reflection on a nurse's confidence. established literature. This has been reflected in previous e (Stephenson, 2015).

Education

- Expand the library of videos for additional clinical skills for the ED nurses, other disciplines of nursing, & healthcare professionals..
- Watching the videos could become a department requirement to maintain skill retention more frequently without having to provide in person educational sessions.

Economic

- Economically low-cost, intervention for the education department and the emergency department at this site.
- Implementation of video-based education can reduce medical errors by supporting and providing correct performance of clinical skills.

Future Scholarship

- This study could be carried out to apply for nurse practitioner skills. Specifically, for those nurse practitioners who are new graduates

References

- Please see attached sheet

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