



Establishment of an effective didactic and hands-on training program resulted in emergency department nurses becoming competent in placement of ultrasound guided PIV catheters to provide optimal patient care” Edwards and Jones (2017).

Abstract:

PROBLEM: Emergency medical care often necessitates placement of peripheral intravenous (PIV) catheters. When traditional methods for obtaining PIV access are not successful, ultrasound guidance is a rescue technique for peripheral vascular placement that improves the quality of patient care.

ReTweet if useful... Implementation of an ultrasound-guided peripheral intravenous catheter program <https://ctt.ec/247ba+> @ivteam #ivteam

Click To Tweet

METHODS: The aim of this training program was to develop a process where emergency nurses would be competent to perform ultrasound guided PIV to improve the quality of patient care delivered while reducing throughput time. Administrative program development required creating a nursing practice statement, procedure guideline, operational plan, and competency validation. A training program comprising both didactic and hands-on training was developed and provided by emergency medicine physicians with formal ultrasound fellowship training.

RESULTS: In determining whether the training program was adequate in preparing the student to place an ultrasound-guided PIV, 92.9% of students “agreed” or “strongly agreed.” In having confidence in their ability to obtain an ultrasound guided PIV catheter placement, 35.7% of respondents “agreed” and 64.3% “strongly agreed.” In finding it difficult to be successful in achieving ultrasound guided PIV catheter placement, 71.4% of students “strongly disagreed” and 14.3% “disagreed.” All students (100%) felt it was a feasible task to train nurses to successfully place ultrasound-guided PIV catheters and 71.4% of students strongly support continuing to provide this training program and competency validation.

IMPLICATIONS FOR PRACTICE: Establishment of an effective didactic and hands-on training program resulted in emergency department nurses becoming competent in placement of ultrasound guided PIV catheters to provide optimal patient care.

Reference:

Edwards, C. and Jones, J. (2017) Development and Implementation of an Ultrasound-Guided Peripheral Intravenous Catheter Program for Emergency Nurses. *Journal of Emergency Nursing*. August 9th. .

doi: 10.1016/j.jen.2017.07.009.

Thank you to our partners for supporting IVTEAM

