This study compared traditional short peripheral catheter (SPC) insertion methods with 2 vein visualization equipment models among a general patient population on a surgical step-down unit based on first-attempt success rates and the time required to achieve catheter insertion” Kanipe et al (2018).

Abstract:

This study compared traditional short peripheral catheter (SPC) insertion methods with 2 vein visualization equipment models among a general patient population on a surgical step-down unit based on first-attempt success rates and the time required to achieve catheter insertion. The experiences of clinical nurses using the ultrasound and vein visualization equipment were also explored. No significant statistical differences were found between the insertion methods, based on 90 unique SPC insertion attempts. However, nurses reported that using the vein visualization equipment informed patient care, facilitated communication among members of the health care team, and facilitated second SPC insertion attempts. Nursing staff also used the equipment more often after the study concluded.

Reference:
Evaluating the use of vein visualization equipment


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