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Abstract:

The aim of this study was to explore general registered nurses' (RNs) assessments of problems associated with difficult peripheral intravenous catheterization (PIVC) depending on their years of working experience, that is, those who had worked 3 years or less and those who had worked more than 3 years. The design was a quantitative, nonexperimental, descriptive, and analytic survey. The participating RNs (n = 83) were divided into two groups according to the length of their working experience, and the analysis was performed using the SPSS, version 24, software. The RNs also had the opportunity to answer a free-text question related to the aim. The results showed that less experienced RNs assessed to a significantly higher extent that they lacked time, experience, and ability and that there was no blood return; however, they assessed that the peripheral venous catheters were in the vein. If critical care nurses had been requested for support earlier, this request was seen as a reason not to try PIVC at all because critical care nurses were assessed as more experienced and skilled. To develop the kind of effective problem-solving and clinical reasoning needed

for practice, a supportive setting must be created throughout nursing education as well as after graduation. Further research should focus on the education needs associated with PIVC and seek to understand to what extent learning in clinical skill simulation laboratories is transferred to actions in the clinical setting.

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Reference:

Sandström, L. and Forsberg, A. (2018) Problems associated with performance of peripheral intravenous catheterization in relation to working experience. *Journal of Vascular Nursing*. 36(4), p.196-202.

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