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Training assessment of clinical knowledge and skills in the use of negative pressure wound dressings in cardiac patients

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Objective: An assessment was conducted to analyse the level of improvement impact one can have on clinical knowledge and skills in the use of a novel negative pressure wound dressings in high-risk cardiac patients along with their years of experience following a training program conducted among our cardiac staff.

Methods: In a prospective study involving twenty cardiac nursing staff from December 2020 to June 2021 who voluntarily participated in the study. Their pre and post training assessment of clinical knowledge and skills were assessed using twenty questionnaires. The pre and post training educational knowledge and skills scores were analysed along with their years of clinical experience.

Results: In the six-month period n=20 (100 %) were compliant to the training despite the covid-19 pandemic.

The study group showed an average pre-training score of 10.5% (Knowledge 5.25% and Skills 5.25%)

The average post-training score of 84.75% (Knowledge 42.25% and Skills 42.25%)

While comparing the years of clinical experience against the pre and post training scores Seventeen (n=17/20, 85%) had five to ten years experience compared to three (n=3/20, 15%) with more than 20 years of experience.

Conclusion: Both clinical knowledge and skills can be augmented through regular training members with more than ten years of clinical experience might have an added benefit and their experience could be important to train younger staff members with less clinical experience.