

The effect of CPR training on knowledge of nurses working in the hospitals affiliated to Golestan University of Medical Sciences

Abstract

Background&Objective: Cardio pulmonary resuscitation (CPR) is referred to some activities performed by individuals to resuscitate heart and ventilation. Knowledge, skill, experience and positive attitude by resuscitating persons have an effective role on CPR. This study aimed to explore the effect of CPR training on knowledge of nurses working in the hospitals affiliated to Golestan University of Medical Sciences.

Materials&Methods: In this quasi-experimental study, 26 nurses from the hospitals affiliated to Golestan University were selected randomly. Data collected using a questionnaire including 43 questions which completed by participants before and after training session. The teaching method was lecturing and practicing on the manikin during two eight hours session in two days. The content of training included both basic and advanced CPR. The data was analyzed using Wilcoxon test with significant level at $\alpha = 0.01$.

Results: 57.7% of nurses were male and 42.3% were female with the average age of 35.54 ± 5.99 years and the average age of work experience of 10.35 years. The data showed the knowledge of nurses staff regarding arrhythmias, therapeutic algorithms, and also drug therapy was low before training, however it improved significantly after training according Wilcoxon test. It was not found any significant improvement in amount of knowledge of our participants regarding cardiac arrest symptoms, airway management, cardiac massage, after training.

Conclusion: The results indicated persons low knowledge about arrhythmias and related issues. Also the results showed the effect of training program on improvement on knowledge of nurses about CPR.

Key Words: Cardio Pulmonary Resuscitation- Knowledge- training - Nurses

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