A comparative study of multimodal approach education with lecture metod on knowledge, attitude and practice of nurses about hand hygiene

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Abstract

Nosocomial infections consider as one of the important risk factors in healthcare sectors, and hand hygiene also has an important role in nosocomial infections which may be the first recommended control step. The main subject of this research was to determine the effect of Multimodal approach on knowledge, attitude and practice of nurses to improve hand hygiene and compare it with the lecture method.

Methods: This quasi experimental study was carried out in three randomly selected different hospitals in three cities of the Lorestan province, and the samples were nurses working at three hospitals on the research period. Each of the three hospitals randomly selected as a control group, lecture methods and multimodal approaches were evaluated in several ways. The lecture method and the multimodal approach each were carried out in two hospitals respectively. The control hospital did not receive any training. Multi modal educational program including lectures, film screenings, role playing, hand hygiene practice, posters, pamphlets, audio messages and alcohol sanitizers. Speech training was implemented for study samples in two interventional hospitals and the film was screened after it. The hand hygiene questionnaire completed previous, two weeks and three months after intervention and spss software version 16 was used to assess the knowledge, attitude and practice of nurses and compare the variables.

Results: Statistical results showed that the Multimodal approach in compare with teaching methods, had a greater impact on knowledge (p< 0.001), attitude (p< 0.001) and practice (p< 0.001) of nurses about hand hygiene.

Key words:

Nosocomial infections, health care associated infections, Hand hygiene, hand wash, Multimodal approach.