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Comparison of the effect of face to face and video-clip training on hand hygiene behavior in cancer patients

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Background: Hand-washing is crucial measure for controlling infectious diseases and the most important intervention to prevent infection in patients with cancer.

Aim: This study aimed to compare the effects of face-to-face and video-clip education on hand hygiene behavior in cancer patients.

Method: This randomized controlled clinical trial was conducted on 105 patients with cancer refer to Shahid- Motahari clinic in Shiraz, Iran within 2017-2018 in three groups of face-to-face education (i.e., individual training), video-clip education (i.e., training through short-film in mobile), and control group (i.e., without training). Participants performed step of hand washing according with W.H.O hand washing checklist before, immediately and 12 weeks after training. The data were analyzed using SPSS version 21.

Results: Independent t test showed that hand-washing mean score at the end of and 12 after the training is significantly different in patients in face to face and video-clip in compare with control groups ($P = 0.000$ and $P = 0.000$, respectively). Also, independent t test showed that hand-washing mean score at the end of and 12 after the training is significantly different in patients in video- clip in compare with face to face groups ($P = 0.008$ and $P = 0.000$, respectively).

Conclusion: The result of this study showed that the usage of face-to-face and video-clip teaching are effective method to improve health behavior, but because of video-clip is simpler and easier to use, is more effectiveness through cancer patient to imply hand washing.

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