

6th Global Congress on Nursing & Patient Care

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Impact of a Video-Based Educational Intervention on the Levels of Knowledge and Concerns about COVID-19 Vaccination

The hesitancy of taking the COVID-19 vaccine is delaying the current global and national COVID-19 management strategies. Evidence highlighted the importance of examining the public concerns and knowledge toward COVID-19 vaccines in sustaining public prevention against spreading the virus worldwide. This study aimed to assess the impact of the video-based educational session on COVID-19 vaccines on the Saudi population's concerns and knowledge about taking the vaccines. This study was a parallel, double-blind, randomized posttest-only control group design. A total of 508 Saudis were randomized to an experimental group (253) and a control group (255). The experimental group was exposed to a video-based educational session, while the control group was not. Then, both groups were subjected to a validation questionnaire to assess the level of knowledge and concerns about the vaccine. In comparison to the control group, the experimental group showed a significantly lower proportion of overall high concern (0.4% vs 5.5%, $P < 0.001$) and a higher proportion of overall good knowledge (74.2% vs. 55.7%, $P < 0.001$). After adjustment for possible confounders, the experimental group showed significantly lower percent mean score of concern than the control group (45.0% vs. 65.0%, $P < 0.001$) and higher percent mean score of knowledge (74.2% vs. 55.7%, $P < 0.001$). Our study concludes that the video-based educational intervention on COVID-19 knowledge and concerns positively impacted the levels of knowledge and concerns among the experimental group. These interventions could safeguard against the rumors and misconceptions about COVID-19 vaccinations. Studies on the impacts of such intervention on the vaccine uptake are recommended.

Keywords: COVID-19 vaccination, concerns, knowledge, and Saudi Arabia

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Biography

- Professor and Senior Research Scientist, King Abdullah International Research Center (KAIMRC), Riyadh, KSA.
- Professor of Family Health, Alexandria University, Alexandria, Egypt.
- WHO regional Consultant in Adolescent & School Health, EMRO.
- Ex-Chairperson of the Research Council of the American School Health Association, USA.
- An Author of >300 peer-reviewed publications, books, and chapters.
- An editor of many international journals.
- Featured among the world's top 2% most-cited scientists for the last 5 years.
- Awarded the Saudi MNGHA Senior Research Award, 2011.
- Awarded Alexandria University's "Outstanding Scientific Achievement in Medical Sciences Award," 2006, Egypt.