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Knowledge, attitude and practice towards infection control measures among nurses in Bangladesh

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Introduction: Infection-related diseases are still one of the key causes of morbidity and mortality in Bangladesh. The aim of this study was to explore the existing knowledge, attitude and practice towards infection control measures among nurses in the selected hospital in Bangladesh.

Methods: During November-May 2018, we used a semi-structured questionnaire to conduct the cross-sectional survey among 305 randomly selected nurses working in Dhaka medical college hospital, Bangladesh. The bivariate and multivariate analysis was done to assess the associated factors of knowledge, attitudes and practice.

Results: Among the nurses 84% were female and the mean age was 33.9 years and the average working duration was 9.5 years. Around two-thirds (65.9%) (95%, CI: .65-.71) of them had nursing diploma, 24.9% (95%, CI: .20-.30) and rest 9.2% ((95%, CI: .06-.12) had B. Sc and higher level of education. The highest majority (97.7%) of nurses is aware with the infection control practices and guideline but 34.1% disagreed with the statement that the infection can be transmitted through the medical equipments and only 36.7% (95%, CI: .31-.42) always use a mask. Infection control training found statistically significant ($p < .002$) in practice compare to the nurses who did not get training recently. Workload and resources constraint found statistically significant ($p < .003$) for infection control practices among nurses.

Conclusion: Infection control training, standard workload and availability of logistics can ensure standard infection control practice among nurses. The government and the hospital authority should focus on the mentioned issues to enhance infection control practice among nurses in Bangladesh.

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