

01. Nurses' Knowledge And Practice In Managing Covid-19 Patients With Cardiac Arrest At A Teaching Hospital



Principal Investigator:

Dr. Tang Li Yoong

Universiti Malaya , Kuala Lumpur

Introduction: The COVID-19 pandemic has posed a major threat to public health. The same goes for the healthcare providers, as they too are at great risk of being infected with the virus. COVID-19 disease may cause the patient's hemodynamically instability thus causing circulatory system collapse. Therefore, the nurses who are part of the resuscitation team should adapt themselves with knowledge and good practice on how to handle the COVID-19 patients with cardiac arrest. This study aimed to assess the nurses' knowledge and practice in managing COVID-19 patients with cardiac arrest at a teaching hospital.

Method: This is a cross-sectional study which recruited 203 nurses from the Critical Care Unit, COVID Ward and Trauma and Emergency Centre. A validated questionnaire consisted of 40 items of knowledge and 20 items of practice were distributed online via Google form to participants. A descriptive analysis and Chi-Square were applied to test associations between the variables.

Results: The findings showed 82.3% of nurses had moderate knowledge level and only 56.2% of the nurses had good practice level. There was a significant association ($p < 0.05$) between nurses' knowledge with age, gender, working experience, education level, and working unit. A statistical association ($p < 0.5$) was also found between the level of knowledge and level of practice. Knowledge of nurses who had attended COVID-19 training were found significant associated with practice.

Discussion/ Conclusion: In conclusion, the overall findings, indicated that the majority of the nurses had moderate knowledge level and poor practice level in managing COVID patients with cardiac arrest. Knowledge and practice are important in providing quality nursing care. Thus, the findings of this study indicated the need for relevant training and policies to maximize the nurses' knowledge and practice in managing COVID-19 patients with cardiac arrest.