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The nurses' perception of self-efficacy in performing CPR simulation in hospital setting

The main cause of death among the population over 40 years old is fatal arrhythmia and sudden cardiac arrest. Improving nurses' practice by CPR simulation and sense of self-efficacy may be a critical element in translating knowledge and resuscitation skills into effective action during critical situation. Therefore, the aim of this study was to identify nurses' perception of self-efficacy in performing CPR simulation in Hillel Yaffe Medical Center. The sample consisted of 360 registered nurses who were working in general, surgical departments, intensive care units, emergency rooms and maternal division. The survey included the 17-item resuscitation self-efficacy scale for nurses with 4 component structure termed 'Recognition', 'Debriefing and recording', 'Responding and rescuing' and 'Reporting' (RSES). A logistic regression model tested the hypothesis that explains the difference of nurses' perception of self-efficacy in performing CPR simulation in various departments. A total of 309 (85%) completed, usable surveys were returned. Pearson's correlation demonstrated modest but statistically significant association between education, professional experience, scope of position and moderate statistically significant association between various medical departments and 4-component structure of the RSES. These findings indicated that RSES assessment of current practice, promote the implementation of educational interventions by CPR simulation that improves self-efficacy for nurses and eventually contribute to the improvement of patient care.

Biography

Alona Karol is a Nurse Educator, Researcher and Deputy Director of Nursing at the Hillel Yaffe Medical Center in Hadera, Israel, a regional hospital and trauma center serving a population of over 400,000 and an important teaching and research institution. She began her career at Hillel Yaffe in 1988 as a Nurse in the general intensive care unit. After 10 years working in the ICU, she joined the faculty of the Medical Center's on-site Pat Matthews Academic School of Nursing as the Coordinator for Adult and Surgical Nursing Education. In 2000, she became the Head Nurse in the Department of Pediatric and Vascular Surgery, which she directed until 2010. In that same year, she completed a certification course in Safety and Risk Management at Tel Aviv University and became the Director of Quality and Safety at Hillel Yaffe, a role which included training physicians, nurses and paramedical staff in patient and occupational safety. Since 2014, she has been serving in her current position as Deputy Director of Nursing, a position which entails responsibility for all nursing personnel and resources, as well as management of hospital resuscitation practice and procedures and oversight of the Institutional Resuscitation Committee.

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