Effect of nursing educational program regarding defibrillation and cardioversion on patients' outcomes


Abstract:

Defibrillators are life-saving and their early use improves survival of patients presenting with sudden cardiac arrest due to shockable rhythms if they are used safely and correctly. The Aim of the present study was to evaluate the effect of educational program of nurses' on patients' outcomes. Method A quasi-experimental research design Setting, the present study conducted in coronary care unit at Assiut University Heart Hospital. The sample the study included 30 Patients before implementation of the education program and 30 Patients after implementation of the education program. Tools: Three tools were utilized to collect data pertinent to the study, Tool I: Assessment of patients undergoing defibrillation and cardioversion. Tool II: Characteristics of direct current (DC) electric shock for patients. Tool III: Assessment of expected complication for critically ill patients undergoing defibrillation and cardioversion. Result, Finding of the present study revealed that a significant statistical difference was existed between both groups after educational program in relation to types of rhythm, joule used restoring sinus rhythm, number of electric shock. There were insignificant difference observed between two group regarding skin burn after direct current DC electric shock reached to the maximum improvement before discharge. Conclusion: improvement with significant differences in patient study group in overall main domains related to improve nurses' practice after educational program. The study recommended nursing care standard for management of patient undergoing defibrillation and cardioversion should be revised, updated and available in cardiac care unite in both Arabic and English language.

Keywords:

Defibrillation, Cardioversion, Life threatening dysrhythmia, Cardiac arrest

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