



Coronary artery bypass grafting Effect of developing and implementing Nursing Care Standards on patients outcome

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Abstract:

Abstract: Coronary artery bypass grafting (CABG) is a common surgery to treat coronary artery disease. It involves a section of a vein or an artery to create a connection (or bypass) between the aorta and the coronary artery beyond the obstruction. Aim: This study aimed to assess nurses' knowledge and practice regarding patients undergoing coronary artery bypass grafting, to develop nursing care standards for coronary artery bypass grafting on patient's outcome, and to evaluate the effect of implementing nursing care standards on nurse's knowledge, practice as well as on patient's outcome. Methods: Quasi-experimental research design was utilized to conduct this study, the study was carried out cardiothoracic surgery department, post operative intensive care unit, and operating room at Assiut University Hospital. Sample: A convenient sample included (38) nurses and (40) patients who had CABG (20) patients pre and (20) patients post implementing nursing care standards aged from 18-65 years from both sexes. Tools: a) pre/post structured interview sheet. b) pre/post observation checklist sheet. c) Cardiac surgery patient's assessment sheet. d) Construction of nursing care standards booklet. Results: The first and second hypotheses were supported as a good improvement in the mean knowledge and practice scores were found post implementation of nursing care standards. The third hypotheses were supported as postoperative complications were reduced post nursing care standards implementation. The fourth hypotheses were supported as a positive relationship was found between nurses' knowledge and practice scores immediately post nursing care standards implementation. Conclusion: Improving nurses' knowledge and practice can favorable affect the incidence of coronary artery bypass graft surgery patient's complications. Recommendations: in-service training programs and refreshing courses must be applied to improve nurse's knowledge which will reflect into their practice while working with patients.

Keywords:

Coronary artery disease, Coronary artery bypass grafting, nursing care standards

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