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Users' satisfaction on web-based application for patient undergoing CABG

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Background: The use of applications (app) has already been shown to be a useful method and an essential mechanism to guide the patient towards healthcare knowledge. Apps used in healthcare are emerging as an adjunct to assist patients in self-management. Patients who undergo open cardiac surgery face a difficult recovery process. Studies have shown that nursing education can improve health outcomes and reduce the risk of new cardiac events. Despite this, there are no guidelines or standards for how to best educate cardiovascular surgical patients. The use of medical apps is increasing in frequency however locally there are only limited applications available in healthcare sector.

Objective: To develop "My Education: CABG" as a learning tool for Coronary Bypass Graft Surgery (CABG) patients.

Methodology: The development process of app is based on systematic instructional model (assessment, design, development, implementation and evaluation). The level of satisfaction and helpfulness of app were assessed by an adapted questionnaire completed by 30 patients undergoing CABG.

Result: The application of My Education: CABG was developed through review of literatures associated with education given to CABG patient. After review by experts, the app finally was developed and evaluated by patients who reported that they were satisfied with the usefulness of My Education: CABG app.

Conclusion: My Education: CABG is designed to help CABG patients in the pre and post-surgery process, creating a patient-sided driver of successful recovery. This app is beneficial for healthcare providers in educating CABG patients and preventing secondary complications.

Biography

Noor Hanita Zaini has completed her Master of Nursing Science from University of Malaya. She is currently pursuing her PhD. She is active in teaching and research. She has experienced in Critical Care Nursing especially in emergency and cardiovascular care. Her special interest is the use of mobile application in patient education.

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