



Service Priorities and Programmes Electronic Presentations

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Collaborative Stimulation Training on Critical Crisis Management of Cardiac Surgery Patients

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Introduction

Collaborative Simulation Training on Critical Crisis Management of Cardiac Surgery Patients

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Queen Elizabeth Hospital (QEH) is one of the cardiac surgery centres among HA hospitals, the patients are either under care of Cardiothoracic Surgery Unit (CTSU) or Coronary Care Unit (CCU). Cardiac arrhythmia and emergency re-sternotomy are critical issues in cardiac surgery and commonly happened in CTSU or CCU, which need immediate nursing actions. However, most junior nurses are neither knowledgeable nor experience enough in handling the situations. Therefore, CTSU and CCU collaborate to initiate a simulation training workshop for our junior nurses.

Objectives

The aim of the program is to enrich the knowledge and provide skills in handling critical crisis in cardiac surgery patients. Upon the completion of the program, participants are able to demonstrate effective and efficient nursing action when come across cardiac arrhythmia and provide assistance in re-sternotomy procedure.

Methodology

The workshop begins with a power point lecture to consolidate the knowledge on the nursing management of the cardiac surgery and follows with scenario based training. The trainees participate in managing critical crisis with hands-on experience and immediate debriefing is delivered after each scenario.

Apart from the stimulator and the virtual reality system, we have specially designed a moulage for re-sternotomy, trainees have chances to practice conducting re-sternotomy with real equipment in each steps.

There are total 9 participants from CTSU and CCU attending the workshop.

Evaluation forms are completed by the trainees at the end of the workshop.

Result

The evaluation forms are collected and analysed. All the participants achieve the

learning objectives as well as they enjoy and satisfy with the program. They agree that this simulation training is a useful way to restore knowledge and skills since the course materials and the teaching strategies are effective. The participants also establish self-confidence towards critical crisis management. With no doubt, the resternotomy procedure is an applicable learning point to their work. In order to facilitate clinical demand, promote staff confidence and quality of care, the workshop is proposed to run regularly.

Besides, it is our first collaboration training between CTSU and CCU. The participation and feedbacks of the trainees reflect high satisfaction of the training workshop which encourage for us to initiate more collaborative training for our staff later on.