



Service Priorities and Programmes
Electronic Presentations

Convention ID: 565

Submitting author: Mr King Tong TSE

Post title: Advanced Practice Nurse, Queen Mary Hospital, HKWC

New Paradigm to Build Capacity for Clinical Learning with Newly Graduate Registered Nurse - Bedside Insertion of Intra-Aortic Balloon Pump (IABP)

Tse KT, Li WC, To PM, PRCC Project Team CTSD QMH

Department of Cardiothoracic Surgery, Queen Mary Hospital

Keywords:

Clinical Learning

Intra-Aortic Balloon Pump

Critically ill

Training

Introduction

Working in CTSD, taking care of patients with IABP support was unavoidable, therefore nursing staffs should be equipped with basic knowledge on the cardiac cycle, principle and nursing care of IABP. Familiarizing with procedures, preparations and nursing management were important and became a feasible and common bedside clinical procedure for the critically ill.

Objectives

(1) To develop a bedside insertion of IABP training program; (2) To provide a holistic care to critically ill patients.

Methodology

Bedside insertion of IABP training program recruited 8 new nurses who are working in CTSD with less than two-year experience. The training program included CTSD new staffs with basic knowledge on cardiac cycle and principle of IABP, no experience of bedside insertion of IABP and less than 2 years work experience in CTSD program included a pre-test and post-test, a PowerPoint presentation on nursing management of bedside insertion of IABP, a video from official website of Maquet (IABP manufacturer) about the procedures on insertion and removal of IABP. Debriefing completed after post-test. Evaluation form was given to trainees. The bedside IABP insertion 9-day training program, which was from 21/8/2012 to 29/8/2012, had 3 phases "pre-tutorial assessment", "tutorial session" and "post-tutorial evaluation".

Result

We recruited 8 nursing staff to participate this program and found that they were lacking of experience in assisting bedside insertion of IABP. They finished the pre-test and watched video before the workshop. Participants attended the program and demonstration. Post-test and evaluation form were delivered to them after finishing the PowerPoint presentation. All participants returned the post-test and evaluation form. In the pre-test, none of the candidates answered 80% correctly but all participants obtained 80% correct answer in post-test. In evaluation, four participants

agreed and four strongly agreed that the workshop was useful. Participants showed great improvement on understanding nursing role of bedside IABP insertion after training. It improved their confidence and facilitated smoothness on handling the critically ill, therefore patient outcome improved. This program was effective in increasing nurses' knowledge in bedside insertion and removal of IABP. With new staff joining CTSD, it is essential to have a comprehensive and effective program. It is valuable to continuously implement this program in CTSD to improve and maintain better patient care.