Implementation of a simulation-based training programme for newly joined nurses of the Accident & Emergency department
Wong HT (1), Fan KL (1), Leung LP (1)
Accident and Emergency Department, Queen Mary Hospital

Keywords:
Nurse training
Simulation-based training
Emergency

Introduction
The Accident & Emergency department (AED) is a challenging place to work in. Patient's presentation is highly variable and often unpredictable. In order to provide the best care to AED patients, emergency nurses required to master a wide range of skills and knowledge. Throughout the years, clinical simulation has been increasingly recognized as an effective means for education and training of healthcare providers across different specialties and clinical settings. It is with this background that a simulation-based training programme is implemented to enhance the skills and knowledge of newly joined nurses at the start of their career in the AED.

Objectives
To describe the implementation of a simulation-based training programme in the AED of Queen Mary Hospital

Methodology
A working group composing of one advance practice nurse (APN) and two emergency physicians (EP) was formed in December 2013. Two members are instructors of the Institute for Medical Simulation of the United States. Four clinical scenarios using a static human simulator and role-playing have been designed. The 4 scenarios centre on the emergency care of advanced cardiac life support, advanced trauma life support, acute respiratory support and acute toxicology management respectively. Sixteen newly joined nurses are to attend the training. In each scenario, two nurses are actively involved in the exercise while two others act as observers. Each of them has to go through the 4 scenarios. For each scenario, it would be preceded by an introduction of the exercise and followed by a debriefing session led by an APN and EP. To evaluate the impact of the programme on their knowledge, a MCQ test consisted of 20 questions will be conducted 1 week before and after the programme. A validated survey, the Student satisfaction and self confidence in learning scale by the National League of Nursing, is used to assess their satisfaction of the programme and the effect of the programme on their self-confidence of caring a critical patient.

Result

The implementation of a simulation-based training programme for nurses joining the AED has been described. It is hoped that their knowledge and confidence can be enhanced and thus patient care can be improved.