Physiotherapy Simulation Training on Airway Suction of Kwong Wah Hospital

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Keywords:
Physiotherapy
Airway Suction
Simulation Training
High Fidelity Manikin

Introduction
Respiratory Physiotherapy is one of the major services in Kwong Wah Hospital. Airway Suction is one of the techniques acquired by physiotherapist to clear the airway secretion of patient. Simulation Training with High Fidelity Manikin enables participants to practice their skills on airway suction in a safe, controlled environment in order to enhance their clinical skills and develop competencies.

Objectives
(1) To practice procedure-based skills of suctioning in a simulated environment
(2) To improve the competency of staff in performing different types of suction
(3) To enhance the critical thinking and decision making of staff in response to changing conditions of patients during suctioning
(4) To provide a structured and systematic training on suctioning with an ultimate aim of enhancing patient safety

Methodology
Fifteen Physiotherapist II participated in this training program. The training program was divided into following 3 parts. Suction Education Seminar A seminar of theory and precaution on open and closed suction for adult as well as paediatric cases was provided to the participants. Part-Task Simulation Training Workshop “Closed airway suction for adults and paediatrics” and “Open tracheostomy suction for adults and paediatrics”, were introduced and demonstrated to the participants. Scenario-based Suction Training A highly immersive scenario-based real clinical cases using a high fidelity manikin was used in the training to test the immediate response of the participants during the procedure. A debriefing session was provided after the training scenario.

Result
The participants revealed that they can have a chance to review and familiar with suctioning with enhanced competence. Real clinical suction audit is the next training for suction. The same ‘Suctioning Technique Audit Form’ is used. The aim is to assess participant to transfer simulated training skill in real clinical environment in the coming
training.