

Enhancement of Simulation Training through collaboration with Accident and Emergency Department and Specialties in Pamela Youde Nethersole Eastern Hospital

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Introduction

Emergency Care Simulation training has been implemented in Accident and Emergency Department (A&E) for 7 years, target for refreshing the knowledge and skill of Emergency Physicians and Nurses on Emergency and Critical Care and preparing them to face the challenge in clinical settings. However the exposure to Obstetrical emergencies as well as Pediatrics and Neonatal Resuscitation are few in A&E, with less than 5 cases per year.

Objective

To report on the implementation of the enhancement measures on Simulation Training

Method

On top of exiting Simulation training in A&E, Specialty Facilitators in the Department of Obstetrics and Gynecology (O&G) and Department of Pediatrics and Adolescent Medicine (Pedi) were invited to co-organize and participate to the training program, named as Conjoint Simulation Training with Specialty; in which life threatening conditions of O&G, Pedi and Neonatal were co-designed (e.g eclampsia, maternal cardiac arrest, unresponsive newborn), Healthcare Professionals of A&E, O&G and Pedi were invited to participate. Debriefings were done and evaluation forms were collected and analysis.

Result

There were 7 sessions of Conjoint Simulation Training with Department of O&G and another 7 with Department of Pedi from September 2015 to December 2018, 73 (O&G and A&E) and 47 (Pedi and A&E) Healthcare professionals had participated. Total 120 evaluation forms were received. There were no significant different between the two specialties training on the rating of evaluation forms (96% on 4/5 and 5/5).

From the perspective of participants, they welcomed and treasured the cross specialties interaction and highlighted the followings: 1) Communication, Clinical handover, Shifting of Leadership, Teamwork and Division of labours were reinforced, 2) Red Flag and Decision Making were discussed, 3) Use of Equipment and Guidelines were shared and modified to meet the needs of stakeholders. From the perspective of facilitators, they valued the knowledge and skill exchange, noted that continuity of care was strengthened.

Cooperate and Collaborate between A&E and O&G in organizing Conjoint Simulation Training

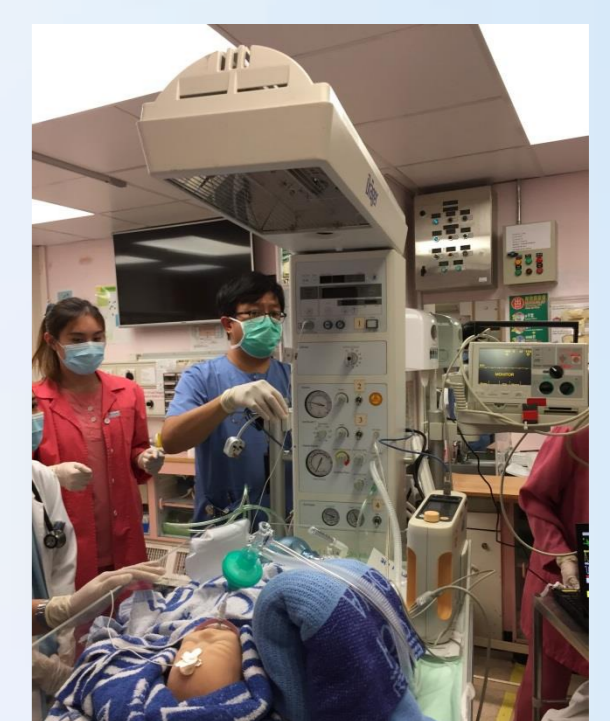


Debriefing

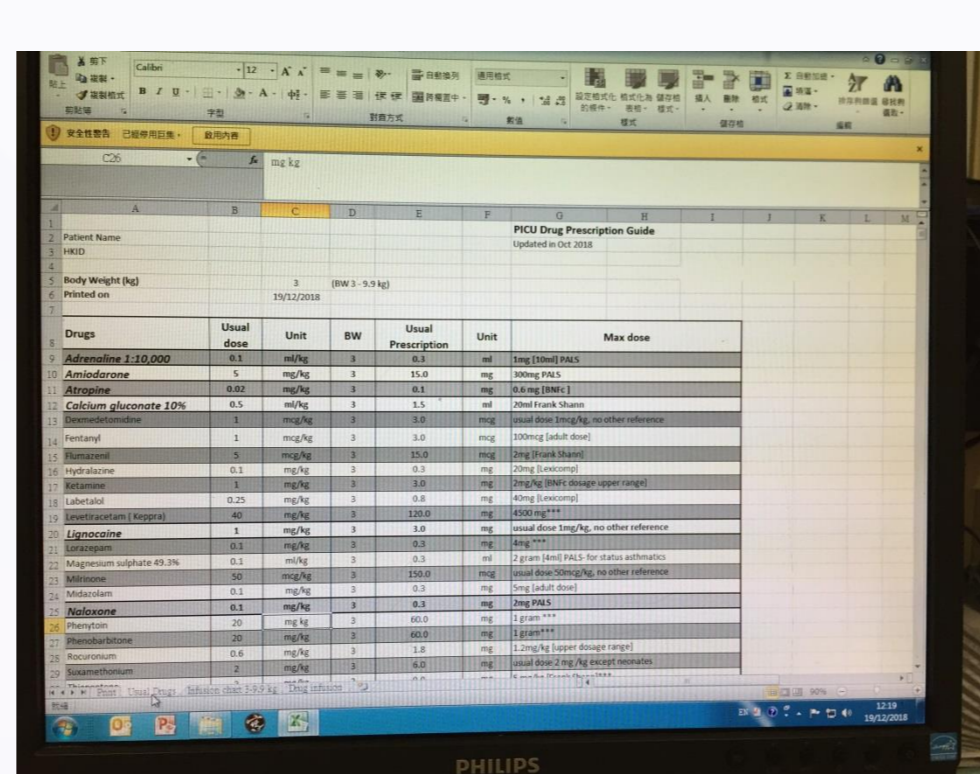


Knowledge and Skill Exchange

Cooperate and Collaborate between A&E and Pedi in organizing Conjoint Simulation Training



Strengthen Continuity of Care



Conclusion

Through collaboration between A&E and O&G and Pedi, the enhancement measures were feasible and practical, results in significant increase in exposure to Obstetrical Emergencies as well as Pediatrics and Neonatal Resuscitation, and improvement in the performance of Emergency Physicians and Nurses on O&G and Pedi cases management in A&E.