



Service Priorities and Programmes
Electronic Presentations

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Happy with Hyperbaric Oxygen Therapy (HBOT): HBO training for emergency nurses in Tuen Mun Hospital Accident & Emergency (A&E) Department

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Introduction

Emergency nursing is one of the most challenging areas of professional nursing. Tuen Mun Hospital Accident & Emergency Department (A&E) is the heaviest workload among 17 A&Es in Hong Kong. Diving Emergency is one of the uncommon presentation to our emergency nurses. Over 50% of our emergency nurses are not familiar the HBOT.

Objectives

1. To ensure the safe procedure for patient before, during and after HBOT 2. To familiar the HBO service mobilization 3. To remind the cautions for emergency nurses entering the HBO chamber 4. To remind the equipment adaptation

Methodology

In view of Decompression Illness (DCI) is an uncommon disease for emergency nurses and the HBO chamber was repair a year. An organizing committee was set up under Department Emergency Nursing Training & Development Team. In order to enhance and ensure the safe process of HBOT, a multidisciplinary approach was adopted to provide an indoor and outdoor training. Training visit with the collaboration with Diving Unit, Hong Kong Fire Service Department (FSD) in the Government Dockyard, Stonecutters Island was conducted on 3Q 2013.

Result

Before the training, there were about 52% of our colleagues' reported unfamiliar in handling patient on HBOT. Also, 87% of them rate their competence level below or equal to 4 out of 6. After the training visit, all of our colleagues were more familiar with the basic operation in handling patient on HBOT. 92% of them expressed their competence higher or equal to 5 out of 6, comparing the difference, there was statistically significance difference ($p \leq 0.05$) by using student t-test. Conclusions The dedicated Emergency Nursing Training & Development team in Tuen Mun Accident &

Emergency Department was successful to ensure standard and quality of emergency nursing service in out-of-hospital environment. The multidisciplinary team training had demonstrated effectiveness on training incorporated with Diving Unit, FSD. Last but not the least, team building and morale also enhanced during the training.