Improvement initiatives of resuscitation service in Tung Wah Eastern Hospital

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Introduction
Limited accessibility of resuscitation equipment and non-standardized instrument layout in trolleys would cause difficulty for the team members to access appropriate emergency equipment for delivering prompt resuscitation service in Tung Wah Eastern Hospital (TWEH).

Objectives
The objective of this program is to - ensure adequate, appropriate and standardized resuscitation equipment are available in hospital premises - enhance staff knowledge in performing the resuscitation and the use of equipment

Methodology
Implement improvement initiatives since Sep 2012 with endorsement from the TWEH Resuscitation Subcommittee: Standardization and installation of equipment: To facilitate staff providing prompt resuscitation service in clinical areas, same model resuscitation trolleys were purchased and re-allocated in a way to ensure availability of equipment within the hospital area. Instruments layout were standardized with photo labels posted, and emergency drug kits were unified to drop-and-shock proof cases secured by tie-locks with lock number and tear-off function to facilitate urgent searching, recall and security. To facilitate designated response team (DRT) in responding to request for medical assistance in the vicinity of hospital, 3 Automatic Emergency Defibrillators (AED) were installed at the main entrance of 3 building blocks for easy access by public or staff. The bulky DRT kit was also replaced by a handy one. Manikin with real-time audio-visual feedback was purchased for drill. Guidelines revision and staff training: Related policy and guidelines were revised
including the workflow, staff deployment, and designated areas for resuscitation during different service hours. Staff training was provided on the use of resuscitation equipment. Video on the use of AED was uploaded to web for staff easy access.

**Result**
Resuscitation trolley audit was conducted in Nov 2014 with satisfactory compliance rate (97.92%). DRT drills with debriefing were conducted in 2013 and 2014. The performance of different disciplines and documentation were improving with the overall compliance rate 97.62%.