



Service Priorities and Programmes
Electronic Presentations

Convention ID: 911

Submitting author: Mr Tat Hong Samuel LAW

Post title: Senior Nursing Officer, Tuen Mun Hospital, NTWC

Sterilization Service Enhancement Project of Tuen Mun Hospital (TMH) Central Sterile Supplies Department (CSSD)

Law THS (1)

Shum YW(2), Que TL (4), Lam KK (3), Lui PYA (2), Cheung KYC (3), Fong YLP (1); Wan CH (1); Li KY (1); Lee CK (1); Yeung WC (1); Lam PI (1); Yip WY (1); Kan CH(4)

Keywords:

CSSD

TMH

Sterilization

Decontamination

Sterile Supply

Sterile Supply

Introduction

Through Hospital Accreditation Exercise, an enhancement project on sterilization service was established for refurbishment of TMH CSSD with advance instrumentation in order to merge CSSD service with Theatre Sterile Supply Unit (TSSU) function together. This initiative was the first Hospital Authority (HA) CSSD to reform successfully that one department serves both CSSD and TSSU functions. The project also acted as a model for sharing the fruitful experiences with other cluster.

Objectives

(1) To strengthen the clinical governance structure and to reinforce the sterilization practice meeting with international standards (2) To revamp CSSD service in order to centralize the cluster sterilization services and combine with the utility of TSSU

Methodology

Cluster Decontamination Safety Committee was established in 2010 to develop cluster policies and guidelines to govern and advise the decontamination practice in NTWC. CSSD revamped the service by:- 1. Installing modernized decontamination equipment with regular validation system 2. Developing NTWC CSSD tracking and tracing system of operating theatre (OT) surgical instruments linked with patients' identities 3. Establishing Cluster CSSD Quality Management System based upon ISO 13485 to improve the sterilization service continuously 4. Implementing topping-up service for clinical areas to upgrade for TSSU function Through the collaboration of multi-disciplinary team, TMH CSSD service during close down was sustained through the support from CSSD of Pok Oi Hospital.

Result

(1) Enhancement of the patients' safety New TMH CSSD shouldered the role in reprocessing OT surgical instruments that eliminated Flash Sterilization for elective

surgical operation. It assured nearly 100,000 surgical instruments packs were reprocessed safely to support over 10,000 surgical operations each year. (2) Upgrade of the scopes of sterilization service Through the service re-engineering, TMH CSSD gave up reprocessing low-value added work to fade out the usage of linen and common dressing products by usage of disposable ones. Instead, they take up reprocessing complicated surgical medical devices. (3) Fulfillment of environmental specifications with international standards The design of the new TMH CSSD met with international standard. The packing room of new CSSD was in compliance with ISO 14644 Class 8 Clean room Standard. (4) Advancement of the production standard of sterilization service Up-to-date decontamination machines with international standards oriented production practice maintained the quality of service at safe Sterility Assurance Level. (5) Blueprint for HA and other hospitals The achievement of NTWC CSSD Tracking System encouraged the development of corporate Surgical Instruments Tracking System. The enhancement of the new TMH CSSD revealed a successful demonstration that over hundreds of visitors from other clusters and external parties had visited TMH CSSD for the exchange of information and technologies.