



Service Priorities and Programmes Electronic Presentations

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Submitting author: Ms Lai Fong Maria YEUNG

Post title: Deputy Ward Manager, Tseung Kwan O Hospital, NULL

IPMOE In OT.....Are You Ready ?

YEUNG LF(1),LO YC(1),NGAI YY(1)(2),YEUNG LC(1),CHENG HK(1)(2)

(1)Anaesthesia & Operating Theatre Services,TSEUNG KWAN O

HOSPITAL,(2)Ambulatory Surgery Centre, Tseung Kwan O Hospital

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Introduction

IPMOE stands for Inpatient Medication Order Entry. It is a closed loop system where drug prescription, dispensing and administration are all done electrically. Instead of relying on manually written prescription, doctors make medication prescription, which are digitally signed and transmitted to the pharmacy for vetting and dispensing. Nurses then administered medications with checking of patient and drug identifications and confirmation of administration through bar code scanning. Medication errors are a major risk in health care. IPMOE helps reduce risks and potential problems of legibility, transcription and ambiguous abbreviations. It improves our service in a far reaching manner. In 2014, TKOH is the first hospital with hospital wide implementation of IPMOE. Its scope includes 14 in-patient wards, day ward, Operating Theatre (OT), Combined Endoscopic Unit, Cardiac Catheterization Laboratory, Cataract Centre, Hemo-Dialysis Centre, Medical, Paediatric, O&T, GYN, Surgical, ENT, and EYE. Among these, OT is one of the special areas adopted IPMOE successfully.

Objectives

1. To promote medication safety during the perioperative phase 2. To ensure patient safety through real time capture of medication prescription, and avoidance of dose omission 3. To ensure continuity of quality patient care by integration of IPMOE

Methodology

Technology helps us meet many objectives and goals, but we must also make sure that the technology deployed is not a burden to our staff. In the theatre environment, there could be situation where a system cannot get the work done. The following measures contribute towards the successful implementation of IPMOE 1. Flexibility in practice 2. Staff engagement and communication 3. Re-engineering of workflow process 4. Use of Cue Cards and Quick Reference

Result

Compliance rate of medication documentation in OT after implementation of IPMOE:

IPMOE -85% Anaesthesia Clinical Information System - 10%
Medication Administration Record - 4% Operation Record - 1% The
implementation of IPMOE in OT proved to be a success. However there is still plenty
of room for improvement such as integrating the ACIS with the IPMOE, so that all
medication entries can be completed in one go. Integration of OPMOE and IPMOE
and Decision support for drug of choice. To conclude, the successful implementation
depends on vigorous and engaged staff, seasoned leader and good change
management. Are you ready for it?