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Simulation Drill on enhancing drug administration safety using IPMOE

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Introduction

IPMOE had successfully been rolled out in NDH in July 2016. By pre-implementation training, our colleagues are competent in using IPMOE for drug administration. However, there are several pitfalls when using IPMOE system. One of the most important pitfalls is “free text entered in drug prescription”, which is not checked by IPMOE system. Manual checking of pre-set drug administration criteria is needed. For example, some of the drug administrations are needed to check against patient clinical conditions, such as blood pressure, heart rate, temperature, H'stix level, while some are needed to check against other or previous drug prescription before drug administration, such as administering regular Intravenous fluid after stat dose prescription.

Objectives

To enhance staff awareness on checking the criteria entered in “free text in drug prescription”, a Simulation Drill on enhancing IPMOE drug administration safety is proposed.

Methodology

Simulation Drills were conducted for all nursing colleagues of the department on drug administration using scenarios. Each colleague was presented with several scenarios. Each scenario contained virtual patient clinical data, vital signs and a drug profile. Our colleague had to response to vital signs and clinical data while performing virtual drug administration. Evaluation was done according to the colleagues' responses on the Simulation Drill.

Result

All our colleagues undergoing the Simulation Drill were able to achieve 100% in identifying the mistakes. The Simulation Drill using scenarios served as in-house training tools for our colleagues. Ongoing simulation drills will be provided to our colleagues with other newly designed scenarios to raise the awareness of pitfalls when using the IPMOE system.

To enhance the safety of drug administration using IPMOE, ongoing drills with

standardized audit not only served such purpose, but also complement with each other.