



Service Priorities and Programmes
Electronic Presentations

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Submitting author: Ms L P CHENG

Post title: Advanced Practice Nurse, Tung Wah Eastern Hospital, HKEC

Pilot Project on Preventing Contamination of Drugs during Administration

Cheng LP(1)

(1) Medication Safety Ambassador Work Group, Tung Wah Eastern Hospital

Keywords:

Preventing Drug Contamination during Administration

Introduction

Introduction: Quality drug administration without contamination and Occupational Safety and Health (OSH) hazard is vital and emphasized clinically. Problem Identified: Cleansing original Mortar & Pestle Set after each use was inconvenient and time-consuming in clinical areas. Cross contamination of drugs was found without cleansing the Mortar & Pestle Set after each use. Moreover, repeated manual grinding of medications might cause physical complaints on wrist, elbow, shoulders, neck and back among nurses.

Objectives

Objectives: - Prevent drug contamination to ensure quality drug administration for patients - Promote OSH with reduced physical complaints from nurses

Methodology

Methods: The project was implemented in Medicine & Rehabilitation Department. 2 kinds of devices for preventing contamination of drugs during administration were introduced to ward nurses before each pilot. A tablet crushing system was piloted at wards BC1 & ward F3 from September to October 2012. An electrical medicine grinder was piloted at wards DE2 & ward F1 from May to June 2013. After piloted for about 2-3 weeks at each ward, feedback from all ward nurses was collected through individual interview.

Result

Results: Totally 37 nursing staff attended the demonstrations of devices. Only 35.3% of those 17 nursing staff at BC1 & F3 chose to use the tablet crushing system. 95% of another 20 ward nurses at DE2 & F1 chose to use the electrical medicine grinder instead of manual grinding of medications. Nurses expressed using of electrical medicine grinder to be energy saving, convenient, efficient, safe and silent with about 10 – 15 min. saved on each drug administration round. Conclusion and Recommendation: The electrical medicine grinder could promote OSH, prevent drug contamination and save time during drug administration. Thus, 4 sets of grinders would be firstly used in 4 wards and further purchased for the rest of the Department by phases after demonstration was arranged in July 2013.