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Improvement on the Quality of Care for Patient with Inhalation Medication

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Introduction

New inhaler devices are added to RH Drug Formulary regularly. Nurses have a critical role in educating patients' inhaler technique and monitoring their competency. This project aims at improving the quality of care for patient with inhalation medication in A6 RM ward.

Objectives

Objectives 1. To enhance nurses' knowledge on different drug classes. 2. To update and standardize patient education materials on inhalation medication. 3. To enhance nurses' competency in educating patient on new inhaler devices.

Methodology

A CQI working group was formed to review nurses' competency in using new inhaler devices; to identify deficit in their knowledge and skills; and to provide up-to-date information to them. 1. Staff Training Workshop Pre- and post-test assessments were done before and after attending training workshop/ reading training materials in Department Intranet. 2. Patient Education Materials Patient education materials on inhalation medication were updated and standardized. 3. Skills and Knowledge Assessment Knowledge quiz was designed to assess nurses' competency. Skills assessment would be completed in March 2018 to evaluate nurses' technique of using new inhalers.

Result

The staff training workshop have been conducted since 1/7/2016. In the post-test assessment, all nurses stated that they knew the drug classes of inhalation medication and technique of application. 90% felt competent to educate patient on using inhalation medication. More than 95% stated that they knew the usual dosage and common adverse reactions. It was further confirmed with 100% full mark in the knowledge quiz. The staff training workshop was shared in the Q&S Sharing Forum together with doctor and pharmacist. 90% of the participants agreed the content was practical for use in the workplace.

Conclusion & Recommendation:

This project highlights the need of adequate education for both patients and nurses regarding appropriate use of inhaler devices. Regular training should be provided to nurses in order to ensure their knowledge and skills on patient education. Finally, the

assessments and relevant information are recommended to promulgate in other wards of RH for sharing with all nursing colleagues to enhance the quality of patient care with inhalation medication.