



Service Priorities and Programmes
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Submitting author: Miss Hailey LIN

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Evaluation of Pharmacist's Impact on Hematology Oncology Chemotherapy Orders

*Hailey LIN(1)(2), Vivien NG(1), Elton YIP(1), Peter CHAN(1), Keary ZHOU(2)
(1)Department of Pharmacy, Princess Margaret Hospital, Hospital Authority, HKSAR,(2)School of Pharmacy, Faculty of Medicine, The Chinese University of Hong Kong*

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Introduction

A hematology pharmacist clinic was launched in Princess Margaret Hospital in October 2015. Clinical pharmacists at this clinic will provide counselling to Hematology patients and clinical interventions would be made on their prescriptions if necessary

Objectives

The aim of this study is to evaluate interventions made by pharmacists from hematology pharmacist clinic on hematology chemotherapy orders using the Hatoum scale. It also aims to report a patient experience survey for patients attended the hematology pharmacist clinic.

Methodology

Pharmacist interventions from hematology pharmacist clinic were collected over a 17-months period. Interventions were analyzed for intervention type, cause of drug-related problems, and acceptance rate. Each intervention was evaluated for its clinical significance by an independent hematologist and a board certified oncology pharmacist using Hatoum scale. A patient experience survey on the hematology pharmacist clinic was conducted from September 2016-February 2017 and reported in this study.

Result

A total of 241 interventions were recorded. The most commonly identified drug-related problems were no drug prescribed but clear indication (23%), necessary information missing on prescription (21%), inappropriate dilution concentration of chemotherapy drugs (11%), and inappropriate dosage (10%). Acceptance rate of interventions was 99%. 88% and 100% of the interventions were rated as significant using Hatoum

scale by hematologist and board-certified oncology pharmacist respectively. A total 28 returns of patient experience survey were obtained. 96% of the patients were satisfied with the hematology pharmacist clinic and reported improved knowledge on chemotherapy, improved competency in handling side effect and better understanding on goal of therapy. The implementation of hematology pharmacist clinic enhanced medication safety by performing clinical screening and making recommendation to doctors through interventions.