



Service Priorities and Programmes
Electronic Presentations

Convention ID: 1069

Submitting author: Ms Yeung Sau King

Post title: Registered Nurse, NDH, NTEC

Design a Workflow on Administration of Mealtime Insulin for Patient upon Discharge

*Yeung SK, Lin LHG, Wong YND, Tong WCM, Lau KP, Lai MS
Department of Medicine, North District Hospital*

Keywords:

Administration of mealtime insulin

Safety use of insulin

Introduction

The use of insulin is essential for management of patients with type 1 diabetes and may be needed by patients with type 2 diabetes to secure glycemic control. Relatively excess in insulin is a common cause of hypoglycemia which can be resulted from a delayed or missed meal. Moreover, Insulin products are frequently involved in medication errors in hospital due to it's varieties in preparations, duration of action as well as frequency in drug administration. Together with its possible serious consequence, insulin is classified as a high-alert medication when used in inpatient settings (Cobaugh et al., 2013).

Nurses are obligated to administer insulin for their patients in clinical practice. However, they may not fully aware of the importance in 'insulin-meal matching' to ensure proper use of insulin with reference to mealtime, especially upon the time of discharge when a lot of other arrangement has to be done. It is a risk area that warrants attention. Therefore, the workflow on administration of mealtime insulin upon discharge was formulated that emphasized proper coordination of insulin administration and meal delivery in order to ensure safe administration of insulin in the hospital.

Objectives

1. To provide clear description of administration of mealtime insulin for in- patient
2. To empower & educate Diabetes link nurses with the train-the- trainer approach via educational workshop

Methodology

1. 'Workflow on Administration of Mealtime Insulin for Patients upon Discharge' and the 'Smart Card for Mealtime Insulin Administration' was formulated in mid-October 2017. It will distribute and briefing to wards.
2. 'Train-the-trainer Workshop' is consisted two seminars to Diabetes link nurses in the hospital that aim to provide standardized education on safe use of mealtime insulin. The Workshop will be held on the first quarter in 2018.

3. The competency assessment for nurses in the hospital through the quiz on insulin administration.

Result

Nurses can play a critical role to promote safe and effective administration of mealtime insulin especially in clinical settings. Enhance their confidence and competence through vary strategies including a precise guideline and educational workshop is vital.