



Service Priorities and Programmes
Electronic Presentations

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One cart one Bipap: is it work?

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Introduction

Limited storage space is not uncommon in daily operation. In TBCU, we have five wards scattered in four floors and there is very limited space for storage of NIPPV (Non-invasive Positive Pressure Ventilation) equipments, accessories and consumables. Nurses have to spend a lot of time in set up of NIPPV equipment in each encounter! A list of problems is also common during each set up 1. Inappropriate size and model of masks 2. Missing accessories or inappropriate interfaces e.g. size of headgear / soft cap / chin strap/ exhalational valve not suitable for patients or that particular type of BiPAP 3. Since equipments and all related consumables have to stock in four floors, issue of overstock of consumables is quite common

Objectives

To improve the situation by 1. reduction in time spent by nurses to set up of NIPPV for emergency use, 2. minimization in over-storage of equipment and consumables

Methodology

Set up a centralized ventilator store in one floor. The store is easily accessible by other floors. All consumables were segregated and stored in each drawer with clear label outside and photos. Essential items were grouped under five drawers, labeled with 1 to 5 to facilitate easy search. Set up NIPPV trolley with standard layout with all crucial items for commencement of NIPPV therapy for patients. Health care professional just fetch one trolley and can commence treatment for patient after mask fitting, functional check and parameters setting. Commence training program (with post course assessment) to all health care colleagues in set up of NIPPV trolley, check and replenishment of consumables in weekly basis. Knowledge of after care of consumables e.g. disposal of single use items, replacement of pollen filter, disinfection of machine surface etc are also covered in the training program.

Result

The program is completed with tangible results after joint effort of all teams. Clerical staff help to design beautiful labels with photo of each consumable. Health care colleagues, who are close partner of nurses nowadays, feel increased job satisfaction as they found themselves to relieve nurses' workload in set up of BiPAP trolley. Frontline staff are also happy as the time save could facilitate them to have more time in bedside care which is especially essential during the first half hour of

commencement of NIPPV therapy for patients. Supervisors and nurse managers are happy as the tidy store facilitates them to have easy stock take and it greatly reduce the chance of overstock of consumables.