



Service Priorities and Programmes
Electronic Presentations

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Enhancing Care of COPD Patients on Non-invasive Ventilation

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Introduction

Chronic obstructive pulmonary disease is the highest hospital bed utilization in Hospital Authority, respiratory disease's in-patient discharges and deaths are persistently high. There is lots of patient suffer from shortness of breath when they are in exacerbation. In response to rapid increase in the severity and complexity of chronic diseases management, the future direction and prospect are reviewed. To continue provides high quality services, achieve outstanding patient care and maintain high professional standards, the high dependence unit "Noninvasive positive pressure ventilation cubicle" is implemented in COPD ward of Princess Margaret Hospital since October 2013.

Objectives

-To provide high dependence and excellence care to patient on non-invasive ventilation. -Shorten length of stay, reduce invasive ventilation and associated nosocomial infection, promote patient comfort and safety.

Methodology

Patient who requires non-invasive positive pressure ventilation service will be transferred and cohort in the non-invasive positive pressure ventilation cubicle. Our trained and experience staff are responsible to take care and monitor patients according to the management plan. Expertise care includes initial assessment, optimizing oxygenation status, NIV application and complication prevention. Also, APN collected data on patients admitted NIV cubicle for evaluation.

Result

From the collected data, we compare the side effect resulting from NIPPV of patients in NIV cubicle with those in general medical wards, there is 34% deduction rate on adverse effect on NIV support. This program promotes patients comfort and safety; minimize avoidable invasive intubation and shorten length of stay. NIV reduces complications and reduce nosocomial infection. From nurses' pre and post training test on the enhancement training, we found nurses have 20% average gained after training by expertise APN and respiratory physicians. Set up NIV cubicle not just to provide high standard and high quality care to patient, for nurse can increasing knowledge and decreasing workload for general ward.