



## Service Priorities and Programmes Electronic Presentations

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### **Peritoneal Dialysis Patients' Empowerment Program: Lower the recurrent rate of dry and wet contamination in order to improve the peritonitis rate.**

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#### **Keywords:**

Peritonitis

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#### **Introduction**

Episodes of wet or dry contamination of PD cases reflect their compliances to PD exchange procedure and their ability of application of knowledge into their daily exchanges practice after completion of PD training course. The empowerment program can much improve their adherence to PD procedure through professional support. In return, it reduces the nursing time employed to such unexpected procedures, hospitalized attendance rates and peritonitis episodes.

#### **Objectives**

- 1)To strengthen PD patients' compliance to exchanges procedure through professional support and advice, aiming at reducing hospitalized attendance rate.
- 2)To reduce nursing time on patients management related to exchange of contaminated transfer set and administration of drug.
- 3)To identify PD patients' weakness for improvement in their daily PD exchanges.
- 4)To identify and focus on high risk of recurrence/peritonitis case to conduct a retraining course/knowledge refreshment.
- 5)To improve PD patients' health and quality of life.

#### **Methodology**

A comprehensive reporting files was implemented record PD patients' report of wet or dry contamination:

1)Hotline or face-to-face interview-->

2)Getting contributing factors for continuous review-->

3)Providing active follow up action-->

Reinforcement and Reassurance +/-arrangement of exchange device or short retraining course-->

4)Review effectiveness

A team oriented approach to manage and identify the contributing factors. Providing professional advice and encouragement to the incident cases over phone or individual interview for improving their weakness and encouraging their compliance to the principles of exchanges. Arrangement of exchange device for PD training is benefit to their dialysis outcome. Regular review of the reporting cases and discussion with

team members are carried out to monitor the effectiveness of the program and its outcome.

**Result**

- 1) Peritonitis rate reduced from 0.38 in 2012 to 0.35 in 2013
- 2) Peritonitis rate reduced from 0.42 in 2014 to 0.32 in 2015
- 3) Keeping a low level of recurrent rate when starting our patient education and empowerment program. The recurrence rate is around 10% to 18%