



Service Priorities and Programmes Electronic Presentations

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Acute Burn Nursing Management - Caring of Specific Regions

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Introduction

Burn injury over specific regions – head and neck, extremities, perineum and genital burns demand acute and immediate assessment. Each area needs special attention and meticulous care to prevent complication. “Acute Burn Nursing Management – Caring of Specific Regions” is a burn training program for all nurses working in Burns Centre, Prince of Wales Hospital. It aims at enhancing nursing competency in handling burn injuries over these special regions during acute burn period.

Objectives

1. Enhance nursing knowledge in caring of the acute burn patients on the specific regions – head and neck, extremities, perineum and genital burns;
2. Implement new educational tools for staff training

Methodology

A clue card on “Acute Burn Nursing Management – Caring of Specific Regions” including sign and symptom of acute complications; immediate and subsequent nursing care was developed in Burns Centre, Prince of Wales Hospital. The clue card was disseminated to all nursing staff in Burns Centre for reading. A teaching session supplemented with skill demonstration was held. A questionnaire consists of 16-multiple choice questions together with a self-rated knowledge (10-point Likert scale; 1-strongly disagree and 10-strongly agree) was made to evaluate nurse knowledge and self perception of knowledge on acute burn nursing management of caring of specific regions. All nurses completed the questionnaires before and after dissemination of clue card and the teaching session.

Result

There were 15 nursing staff participated in the training program with 8 of them attended the classroom teaching session. The mean score of the 16 – multiple choice questionnaires was increased 2.87 (S.D.=2.72) after intervention ($P=0.001$; paired t-test). Besides, the mean score of self perception of knowledge was also increased 1.2 (S.D.=1.26) after intervention ($P<0.05$; paired t-test). The overall

result of the pre-test and post-test comparison of the 16-multiple choice questions and self perception of knowledge were statistical significant. The program on “Acute Burn Nursing Management – Caring of Specific Regions” showed significant improvement in knowledge for the nurses in acute burn nursing management. The nurses also perceived an increase in knowledge on this particular aspect of the nursing care. The clue card and the teaching session were effective tools for staff training in clinical area.