



Service Priorities and Programmes
Electronic Presentations

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Refresher program: nursing education on digital replantation

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Introduction

Traumatic amputation of digits is a serious injury causing huge functional and psychosocial consequences. Replantation surgery is a complicated operation that requires an advance-equipped operation theatre and experienced surgical team. Nurses, who are responsible for caring of patient with traumatic amputation, require specialized knowledge and skills particularly in preserving patient's amputated parts, identifying early complications, and addressing patient's fears and psychological needs. Also, an optimal postoperative management is equally as important as the surgery itself for the success of replanted digits. Therefore, nursing education and reference tool development play a crucial role in enhancing the quality and safety of nursing care in order to achieve a high success rate of replantation.

Objectives

(1)To assess nursing staff knowledge in digital replantation (2)To provide updated knowledge and skills of postoperative nursing care after digital replantation (3)To develop a set of visual cue card as a quick reference tool for nursing staff use

Methodology

A refresher programme was developed which composed of conducting a one-hour lecture and developing a set of visual cue card. A pre-test and post-test design was adopted to evaluate participants' knowledge. Subjects were nursing staff who worked in Department of Orthopaedics and Traumatology (O&T) in Prince of Wales Hospital (PWH).

Result

A total of 38 nursing staff (about 59% of orthopedic nurses in Department of O&T, PWH) joined the programme. Compared the mean score of pre-test and post-test, the programme significantly increased nurses' knowledge on nursing care regarding digital replantation (increased 25.3%, $p < 0.0001$). More than 95% of the participants agreed that the programme achieved its' objectives and they commented that the lecture contents and also the visual cue card were very useful. Thus, the programme has been shown effective in enhancing nurses' knowledge and competency in caring of patient undergoes digital replantation.