



Service Priorities and Programmes Electronic Presentations

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3 Tiers Nursing Model to support the extension of 24-hours Intravenous Thrombolysis Service in Ruttonjee Hospital

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Introduction

With the increased awareness on stroke in the public and health care professionals, demand for Intravenous Recombinant Tissue-type Plasminogen Activator (IV rtPA) was increased in recent years. To meet the demand growth of intravenous thrombolysis service and work in line with corporate direction, 24-hours intravenous thrombolysis service for acute ischemic stroke patients in Ruttonjee Hospital will be launched in 2018. 3 tiers training program was conducted to equip staff with skill, knowledge and ability to deliver the quality service to support the expansion of acute stroke service.

Objectives

Conduct 3 tiers in-house training program to improve staff clinical and management competency in stroke care.

Arrange nursing manpower in a flexible manner to ensure sufficient manpower to support both acute stroke service and integrated medical service.

Methodology

1st tier – Fundamental stroke care training

Provide in-house training on basic neurological assessment and stroke care nursing for staff with 0 to 1 year experience in Acute Stroke Unit (ASU). Upon completion of the training, staff understands the concepts, principles, philosophy of stroke care and able to carry out basic care and assessment to acute stroke patient.

2nd tier – Enhancement training on stroke care

Provide in-house training on advanced neurological assessment and stroke care nursing for staff with 1 to 3 years experience in ASU. Upon completion of the training, staff becomes an independent contributor and able to apply comprehensive acute stroke care to patient.

3rd tier – Advanced training on stroke care

Provide in-house training and simulation training on hyperacute stroke management for staff with more than 3 years experience in ASU. Upon completion of the training, staff has teaching ability and able to put theory into practice at advanced level of acute and hyperacute stroke care.

Result

To tackle with the great challenge of implementing 24-hours IV rtPA service in Ruttonjee Hospital. 3 tiers training program can progressively enhance staffs' knowledge and skill on stroke management, more than 90% staff expressed that they are satisfied with this program. To ensure sufficient manpower to support both stroke and integrated medical service, the duty roster for stroke nurse is managed in ward-basis with floor support as ASU and integrated medical beds are located on the same floor. Nurses are work together in rotation on both stroke and integrated medical service.