

## INSTITUTE OF ADVANCED NURSING STUDIES

### **Post-registration Certificate Course in Stroke Care Nursing 2024/25**

**(06/09/2024 – 11/04/2025)**

**Organised by Institute of Advanced Nursing Studies and Conducted by NTWC**

*The Nursing Council of Hong Kong has approved the Hospital Authority as a provider of Continuing Nursing Education (CNE) since 1 December 2005*

## **PROGRAM INFORMATION**

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### **PROGRAM AIM(S)**

1. Develop participant's knowledge, skill and attitude to deliver quality stroke care.
2. Equip participants for taking advanced extended roles and responsibilities in stroke care Nursing.

### **PROGRAM INTENDED LEARNING OUTCOMES**

Upon completion of the program, the participants should be able to:

1. Identify the local and global trend in stroke management and advanced care.
2. Integrate the knowledge of pathophysiology, clinical manifestations and treatment modalities of stroke to provide appropriate stroke care.
3. Outline the care of hyper-acute stroke patients, including pre & post IV-thrombolytic care and endovascular intervention.
4. Demonstrate knowledge and skills in neurological nursing assessment, and identify the risk and benefit of different diagnostic studies for stroke patients.
5. Provide holistic and organized stroke care at different phase of stroke patient journey based on protocol, standards and pathways.
6. Able to provide effective post-stroke nursing management to minimize complications and promote recovery.
7. Co-ordinate multi-disciplinary input and prioritize care to manage complex conditions based on clients' needs and progress.
8. Provide psychological care and counseling for stroke patients and family member to facilitate disease coping.
9. Conduct health education to patients and/or their families to enforce healthy life styles and self-management for secondary stroke prevention.
10. Formulate rehabilitation, transitional support and discharge care plan for stroke patients.
11. Demonstrate ability to participate in evidence-based practice or conduct clinical projects in stroke care nursing.

## **TARGET PARTICIPANTS**

1. Nurses in RN rank
2. Priority will be given to those who are currently working in stroke units or its related department in HA hospitals / institutions.
3. Nurses who have previously enrolled in PRCC without successful completion may be given low priority
4. Participant who successfully completed the Fundamental Course in Stroke Care Nursing in 2022/23 will be eligible to apply for direct entry to Module II.

## **ENTRY REQUIREMENTS**

1. Registered nurses with valid practicing certificate issued by the Nursing Council of Hong Kong.
2. Nurses having not less than 24 months post-registration experience.

## **CLASS SIZE**

62

## **LANGUAGE MEDIUM**

Both English and Cantonese will be used in class. All written assignments and assessments will be in English.

## **PROGRAM DURATION**

06/09/2024 – 11/04/2025

## **PROGRAM DESIGN**

This program consists of theoretical input (Module I & Module II) and clinical practicum.

### **A. Theoretical input**

#### ***Module I – Fundamental Module***

#### ***Online Training Module***

The participants are required to complete all the following e-Learning courses in the **eLC+** platform on or before **03/10/2024 23:59**.

No.	Topic
0.	Orientation of Fundamental Module (via eLC+)
1.	Overview of Stroke services in Hong Kong
2.	Fundamental knowledge of Nursing Evidence-based Practice
3	Applied anatomy & physiology of central nervous system
4	Epidemiology, Aetiology Pathophysiology and Clinical Features of Stroke
5	Fundamental knowledge in CTB interpretation
6	Neurological assessment of Stroke patients in clinical perspective
7	Clinical update of Hyperacute stroke management - General introduction on IV/IA
8	Traditional Chinese Medicine in Stroke Care
9	Common post stroke complication management
10	Nursing management in prevention of post stroke complications
11	Prevention of stroke
12	Nursing Approach in Prevention of stroke
13	Continence Care in stroke patients
14	Brain Stem Death and Organ Donation
15	E-learning Post IV-tPA Nursing Care in the first 24 hours
16	E-learning Initial Nursing assessment for stroke patient
17	E-learning In-hospital acute stroke – opportunity to optimize hyperacute stroke care

### **Module II – Specialty-specific Module**

Day	Date	Time	Activity	Venue / online
Day 1	04/10/2024	09:00 – 17:30	Study Day	TMH ACC
Day 2	10/10/2024	09:00 – 17:30	Study Day	TMH ACC
Day 3	18/10/2024	09:00 – 17:30	Study Day	TMH ACC
Day 4	25/10/2024	09:00 – 17:30	Study Day	TMH ACC
Day 5	01/11/2024	09:00 – 17:30	Study Day	TMH ACC
Day 6	08/11/2024	09:00 – 17:30	Study Day	TMH ACC
Day 7	15/11/2024	09:00 – 17:30	Study Day	TMH ACC
Day 8	22/11/2024	09:00 – 17:30	Study Day	G09, Blk M, KH
Day 9	29/11/2024	09:00 – 17:30	Study Day	TMH ACC
Day 10	19/12/2024	09:00 – 12:30	Written Examination	G09, Blk M, KH
Sim. Training	03/02/2024	14:00 – 18:00	(Gp 1) Simulation Workshop	QEH Sim Center
	04/02/2024	09:00 – 13:00	(Gp 2) Simulation Workshop	
		14:00 – 18:00	(Gp 3) Simulation Workshop	
Day 11	11/04/2024	09:00 – 17:30	Group Project Presentation	TMH ACC Lecture Hall

## B. Clinical Practicum: 6 Weeks

CP I: 4 weeks in acute care setting/ hyper-acute care setting

CP II: 2 weeks in rehabilitation unit

Group A: CPI (30/12/2024 to 26/01/2025)

CPII (10/02/2025 to 23/02/2025)

Group B: CPI (24/02/2025 to 23/03/2025)

CPII (24/03/2025 to 06/04/2025)

## **TRAINING CONTENT**

<b>Module I: Fundamental Module</b>	
1.	Overview of Stroke services in Hong Kong
2.	Fundamental knowledge of Nursing Evidence-based Practice
3.	Anatomy and Physiology <ul style="list-style-type: none"><li>➤ Applied Anatomy &amp; Physiology of Central Nervous System</li><li>➤ Etiology and pathophysiology of Stroke</li></ul>
4.	Neurological assessment of acute stroke patients in clinical perspective
5.	Fundamental knowledge in CT Brain interpretation
6.	Clinical update of hyper-acute stroke reperfusion therapies <ul style="list-style-type: none"><li>➤ General introduction on IV/IA treatment</li><li>➤ Initial Stroke assessment</li><li>➤ Introduction of thrombolytic therapy - Peri-reperfusion therapy preparation and care</li><li>➤ In-patient stroke management</li></ul>
7.	Post stroke complication management <ul style="list-style-type: none"><li>➤ Common post stroke complication management</li><li>➤ Nursing management in post-stroke complication prevention</li><li>➤ Continence Care in stroke patients</li></ul>
8.	Stroke Prevention <ul style="list-style-type: none"><li>➤ Medical and Nursing approach in prevention of Stroke</li></ul>
9.	Traditional Chinese Medicine (TCM) in stroke care
10.	Brain Death and Organ Donation

<b>Module II: Specialty Specific Module</b>	
1.	1. Advanced stroke management <ul style="list-style-type: none"><li>➤ Medical Treatment of general acute stroke patients</li><li>➤ Surgical Treatment of acute stroke</li><li>➤ Acute Stroke – medical care in the 1st 72 hours of critical nursing care</li><li>➤ Acute Stroke -surgical care in pre/post-Operation for neurosurgery patients</li><li>➤ Clinical update – Endovascular Thrombectomy</li><li>➤ Clinical dilemmas in peri-tPA/IA in nursing approach</li><li>➤ Atrial fibrillation and stroke</li><li>➤ Management of transient ischemic attack</li><li>➤ Uncommon causes of stroke</li></ul>
2.	Neuro-imaging, assessment tools and investigations <ul style="list-style-type: none"><li>➤ Advance Neuro-imaging interpretation in acute stroke</li></ul>

	<ul style="list-style-type: none"> <li>➤ Common investigations for acute stroke (Etiology basis)</li> <li>➤ Stroke assessment tools/scales</li> <li>➤ Nurse roles in neuro-diagnostic examinations</li> </ul>
3.	<p>Overview of common stroke mimics</p> <ul style="list-style-type: none"> <li>➤ Headache - PRES, RCVS, CVST, Migraine, Temporal vasculitis, CNS infection</li> <li>➤ Epilepsy - Medical and surgical treatment</li> <li>➤ Demyelinating Disease of CNS and PNS</li> <li>➤ Space occupying brain lesion and spinal pathology</li> <li>➤ Parkinson's Disease / Movement Disorder &amp; Treatment</li> <li>➤ Neuromuscular &amp; Neurogenetic disorders</li> </ul>
4.	<p>Stroke rehabilitation</p> <ul style="list-style-type: none"> <li>➤ Principle and practice of stroke rehabilitation</li> <li>➤ Overview of stroke rehabilitation nursing</li> <li>➤ Discharge management &amp; community reintegration</li> </ul>
5.	<p>Roles of allied health professionals in stroke care</p> <ul style="list-style-type: none"> <li>➤ Physiotherapy in stroke</li> <li>➤ Occupational therapy in stroke</li> <li>➤ Speech therapy in stroke</li> <li>➤ Nutritional assessment and management in stroke</li> <li>➤ Sexual Rehabilitation</li> </ul>
6.	<p>Psychological care of stroke</p> <ul style="list-style-type: none"> <li>➤ Therapeutic communication with stroke patient and carer</li> <li>➤ Psychiatric management in stroke patients</li> <li>➤ Clinical psychology support in stroke patients</li> </ul>
7.	Stroke related pharmacology
8.	<p>End of life care</p> <ul style="list-style-type: none"> <li>➤ Palliative care in stroke patient</li> </ul>
9.	Overview of stroke nursing services in Hong Kong

## **TEACHING & LEARNING STRATEGIES**

1. Lectures and demonstrations
  2. Group discussion
  3. Tutorials
  4. Group projects (*including oral presentation*)
  5. Case studies
  6. Clinical teaching & supervised clinical practice
  7. Simulation training
  8. Self-directed learning
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## **ASSESSMENT**

Components	Date / submission deadline	Weighting
<b>A. Written Assessment</b>		
1. Written Examination	19/12/2024	60%
2. Group Project		20%
(I) Written Report	10/04/2025	( 12%)
(II) Oral Presentation	11/04/2025	( 8%)
3. Patient Care Study	Group A: 16/02/2025 Group B: 30/03/2025	20%
<b>B. Continuing Clinical Assessment</b>	On the last day of Clinical Practicum	100%

The participants are required to attain 50% or above in each component of the written assessment and the continuing clinical assessment.

## **AWARD OF CERTIFICATE**

An electronic Certificate of Achievement will be awarded to those participants who have completed all parts of the program and passed all assessments.

## **CNE POINTS**

This program is equivalent to 218.5 CNE points. (TO BE CONFIRMED)

Theoretical Input:	79 hours (79 CNE points)
Online Training Module:	22.5 hours (22.5 CNE points)
Clinical Practicum:	6 weeks (117 CNE points)

## **PROGRAM DIRECTOR**

Ms. Rita LAM  
Tel: 2300 7076

Manager(N), IANS, HAHO  
Email: wn.lam1@ha.org.hk

## **CO-PROGRAM DIRECTOR**

Ms. CHOW Yuk Lan Karin  
Tel: 2468 6150

Nurse Consultant(Stroke Care), NTWC  
Email: cyl820@ha.org.hk

## **ENQUIRY**

Ms. Fion CHENG, CII(NSD)  
Tel: 3513 5177

Clerk II (NSD), TSWH, NTWC  
Email: cnf527@ha.org.hk

# TIMETABLE

Date/ Time/ Venue							
<b>Module II</b>  <b>(Start day)</b>  <b>Day 1</b> <b>4 Oct 2024</b> <b>(Friday)</b> <b>TMH ACC</b>	09:00 - 11:00 (Open up Seminar C) Surgical treatment of acute stroke  Dr. Samuel LAM PYNEH CON (Neurosurgery)	break	11:15 - 13:15 (Open up seminar C) Medical treatment of general acute stroke patients  Dr. Sunny Siu KWC AC (Neurologist)	Lunch 13:15 – 14:15	14:15 - 15:15 Overview of stroke nursing services in Hong Kong Ms Karin CHOW NC(Stroke), NTWC	15:30 - 16:00 Briefing assignments and assessments	16:00 - 17:30 Group Project preparation
<b>Day 2</b>  <b>10 Oct 2024</b> <b>(Thursday)</b> <b>TMH ACC</b>	09:00 - 11:00 Acute Stroke - surgical care Pre & post-op care for Neurosurgery  Mr. Ryan CHU KWC NC (Neurosurgery)		11:15 - 13:15 Acute Stroke - medical care The 1st 72 hours of critical nursing care  Mr. K K LEUNG HKWC NC (Stroke)		14:15 - 15:45 Common investigations for acute stroke patients (Aetiology basis)  Dr. Richard LI PYNEH AC	Break	16:00 - 17:30 Clinical update – EVT  Prof. Bonaventure Yip CUHK/PWH AP

Date/ Time/ Venue													
<b>Day 3</b>  <b>18 Oct 2024</b> <b>(Friday)</b> <b>TMH ACC</b>	09:00 - 10:30  Uncommon causes of stroke  Dr. Annie MEW QEH AC, Neurologist		10:30 - 11:30  Advance Neuro-Imaging interpretation in Acute stroke (CTP/MRI)  Dr Kelvin Tsoi TMH AC Neurologist		Break	11:45 - 13:15  TIA management  Mr. Mick YU KEC NC (Stroke)		Lunch 13:15 – 14:15		14:15 - 16:15  Stroke assessment tools/scales  Ms. May MOK HKEC NC (Stroke)		16:15 - 17:30  Group Project preparation	
<b>Day 4</b>  <b>25 Oct 2024</b> <b>(Friday)</b> <b>TMH ACC</b>	09:00 - 11:00  Stroke mimic: Headache Content: PRES, RCVS, CVST, migraine, temporal vasculitis, CNS infection  Dr Kelvin Tsoi TMH AC Neurologist			11:15 - 12:15  Clinical dilemmas in peri-tPA/IA nursing  Ms. Lily Wan, KEC, TKOH ANC (Stroke)		12:15 - 13:15  Nursing Role in neuro-diagnostic exam  Ms. Maggie LAU NTEC NC (Stroke)				14:15 - 15:45  Principle and practice of Stroke Rehabilitation  Dr. Florence FAN PWH AC M&G		15:45 - 17:30  Group Project preparation	
<b>Day 5</b>  <b>01 Nov 2024</b> <b>(Friday)</b> <b>TMH ACC</b>	09:00 - 10:00  Stroke mimic – Parkinson’s disease/movement disorder & treatment  Dr Mark Cheung, TMH AC Neurologist		10:00 - 11:00  Overview of Stroke Rehabilitation Nursing  Ms. CHENG Y Y KCC/KH ANC (Stroke)		Break	11:15 - 13:15  Discharge management & community reintegration  Ms. Ivey LEUNG, KCC ANC (Stroke) & Ms. Serene OR, KCC ANC (Stroke)				14:15 - 15:15  Atrial Fibrillation & Stroke  Dr. Adrian LUI, RH AC Neurologist		15:30 - 17:30  Stroke mimics: Epilepsy (Medical & surgical treatment)  Dr. Colin LUI TKOH CON	



Date/ Time/ Venue										
Day 6  08 Nov 2024 (Friday) TMH ACC	09:00 - 10:30 Physiotherapy in Stroke care (Acute & rehab)	break	10:45 - 12:15 Therapeutic communication with Stroke patients  Ms. CHAN Y S HKEC/ PYNEH ANC (Stroke)	Lunch 12:15 -13:15	13:15 - 14:45 Stroke mimic: Demyelinating Disease of CNS and PNS  Dr. Terrance YOUNG PYNEH AC	break	15:00 - 16:00 Stroke mimic: Space occupying brain lesion and spinal pathology  Dr Elvin Z He TMH AC Neurosurgeon	16:00 - 17:30 Psychiatric management in stroke patients  CPH Psychiatrist Dr.		
Day 7  15 Nov 2024 (Friday) TMH ACC	09:00 - 10:30 Occupational Therapy in Stroke (Acute & rehabilitation)  NTWC OT		10:45 - 12:15 Palliative/End of life care for Stroke  Ms. Red CHAN NTWC NC (Palliative Care)	Lunch 12:15 - 13:15	13:15 - 15:15 Stroke mimics: MG, MND, peripheral neuropathy, and myopathy  Dr. Gene GAO, QMH AC Neurologist		break	15:30 - 17:30 Group Project preparation		
Day 8  22 Nov 2024 (Friday) KH M Block G09	09:00 - 11:00 Pharmacology of Stroke  Mr. Paul YAU CMC Pharmacist	break	11:15 - 12:45 Sexual Rehabilitation  Mr. Danny POON QEH SOT (CRSSC)	Lunch 12:45 - 13:45	13:45 - 17:30 Split Group into 2 - Visit to CRSSC (KH) / Group Project preparation					

Date/ Time/ Venue							
Day 9  29 Nov 2024 (Friday) TMH ACC	09:00 - 10:30 Speech therapy in Stroke care (Acute & rehab)  Ms Rachael LI QEH, Speech Therapist	break	10:45 - 12:15 Nutritional assessment & management in stroke  Mr Eric LAM HHH(KEC) Dietitian, Dietitian Department in charge	Lunch 12:15 - 13:15	13:15 - 14:15 Clinical psychology support in stroke patients  Dr. Valda CHO KWC CP	break	14:30 - 17:30 Course Revision & briefing on clinical practicum  Mr. Victor LUI, KWC/ CMC ANC (Stroke) & Ms. Cathy CHEUNG. KWC/ PMH ANC (Stroke)
Day 10 (half day) 19 Dec 2024 (Thursday) KH M Block G09	09:00 - 12:30 Written Exam			12:30 – 13:00 Briefing on Simulation & Evaluation			
Simulation (half day) 03 Feb 2024 (Monday) QEH Sim Center					14:00 - 18:00 (Group 1) Simulation Workshop		
Simulation (half day) 04 Feb 2024 (Tuesday) QEH Sim Center	09:00-13:00 (Group 2) Simulation Workshop				Lunch 13:00 - 14:00	14:00 - 18:00 (Group 3) Simulation Workshop	
Day 11 11 Apr 2025 (Friday) TMH ACC	Group Project Presentation (TMH ACC 2/F Lecture Hall)				Lunch 13:00 - 14:00	Group Project Presentation (TMH ACC 2/F Lecture Hall)	

