



INSTITUTE OF ADVANCED NURSING STUDIES

Post-registration Certificate Course in Paediatric Intensive Care Nursing

(28/10/2024 – 24/07/2025)

Organised by Institute of Advanced Nursing Studies and Conducted by Kowloon Central Cluster

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

PROGRAM AIMS

1. Improve the competency of registered nurses by acquiring specialized knowledge and skills in “Paediatric Intensive Care Nursing” so that they can deliver a higher standard of care to critically-ill children.
2. Increase nurses’ awareness on integration of theory and evidence-based findings into paediatric critical care nursing practices through interactive learning in clinical setting.
3. Enhance nurses’ abilities in critical thinking and decisions making so as to achieve best outcome for sick children and their families.

PROGRAM INTENDED LEARNING OUTCOMES

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

1. Master the fundamental knowledge and skills on child development, normal and altered anatomy and physiology, as well as the clinical manifestation and management of medical and surgical conditions in children.
2. Demonstrate skills to perform advanced nursing assessment and understand the impact of multisystem disorders on the physiological condition and psychosocial aspect of the critically ill child and his or her family.
3. Formulate and implement individualized care plan according to nursing assessment, diagnostic findings, laboratory and monitoring results in order to address different medical or surgical conditions.

4. Evaluate the effects of therapeutic interventions and communicate effectively with multidisciplinary team to make necessary recommendations in promoting optimal patient outcomes.
5. Utilize evidence-based knowledge and practice in advanced life saving and life supporting modalities to improve patient outcomes.
6. Anticipate and work as a team in emergency clinical situations within the legitimate framework.
7. Manage to achieve quality outcomes in the delivery of health care for individuals and families.
8. Integrate the philosophy of family centered care in building therapeutic and care relationship with parents and family, and enabling them to make informed decision for the best interest of the child.
9. Respect different cultural aspects in provision of palliative care to terminally ill child and support the bereaved family through a holistic approach.
10. Identify ethical and legal issues, as well as apply principles in ethical and legal decision making in nursing practice.
11. Conduct clinical project and adopt scientific evidences to facilitate quality improvement in patient care.

TARGET PARTICIPANTS

- Nurse in RN rank
- Priority will be given to those who are currently working in paediatric intensive care unit in HA hospitals
- Nurses who have previously enrolled in PRCC without successful completion may be given low priority
- Participants who successfully completed the Core Module in Paediatric Specialty Nursing in the past 3 years will be eligible to apply for direct entry to Module II.

ENTRY REQUIREMENTS

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

EXIT REQUIREMENTS

Successfully enrolled participants are required to complete the following e-Learning course(s) **from eLC platform or classroom-based training course(s) on or before 23/07/2025 23:59 (i.e. 1 day before the group project presentation).**

No.	Title of e-Learning course / classroom-based training course
1	Paediatric Advanced Life Support Program, American Academy of Pediatrics and American Heart Association
2.	Nursing Care of Patients with Mechanical Ventilation
3.	Introduction to Pain Management
4.	Wound Management
5.	Principles in Legal Decision Making

CLASS SIZE

25

LANGUAGE MEDIUM

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

PROGRAM DURATION

28/10/2024 – 24/07/2025

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 the following e-Learning courses in the **eLC+ platform** **on or before 25/11/2024 23:59**.

No.	Topic	Duration
0.	Overview of the Core Module (via eLC+)	-
1.	Role of Paediatric Nurse in Family-Centred Care and Transitional Care	1
2.	Child Life Service - Psychosocial Care to Hospitalised Children	1
3.	Paediatric Neurological Problems: from Common to Rare but Important Ones	1.5
4.	Radiological Imaging in Paediatrics	1
5.	Basic Child Assessment: Concept of Growth & Development and its Application	2
6.	Common Genetic Diseases in Children & Genetic Counseling	1
7.	Paediatric Renal Problem	1
8.	Paediatric Infectious Diseases and HIV in Children; Immunization Programs	1.5
9.	Nursing Management of Paediatric Cardiovascular Problems	2
10.	Ethical and Legal Issue in Paediatrics	1.5
11.	Paediatric Respiratory Problems	1.5
12.	Nursing Management of Paediatric Respiratory Problems	1
13.	Nursing Management of Paediatric Neurological and Neuro-muscular Problems	1.5
14.	Tracheostomy care	1
15.	Pain Management and Sedation Safety	2
16.	Common Gastrointestinal Problems	1

17.	Nutritional Assessment and Nursing Management	1
18.	Child Protection	1
19.	Paediatric Monitoring and Paediatric Early Warning Signs	1
20.	Haematological Problems: Anaemia and Bleeding Disorders	1
21.	Palliative Care in Paediatrics	1
22.	Orthopaedic Problems in Paediatrics	1

Module II – Specialty-specific Module

Day	Date	Time	Activity	Venue
Day 1	05/12/2024	09:00 – 17:30	Study Day	MG room 2, G/F, Blk M, QEH
Day 2	12/12/2024	09:00 – 17:30	Study Day	Multi-function Room 1, G/F, Blk D, QEH
Day 3	19/12/2024	09:00 – 17:30	Study Day	
Day 4	09/01/2025	09:00 – 17:30	Study Day	
Day 5	16/01/2025	09:00 – 17:30	Study Day	MG room 2, G/F, Blk M, QEH
Day 6	23/01/2025	09:00 – 17:30	Study Day	Multi-function Room 1, G/F, Blk D, QEH
Day 7	06/02/2025	09:00 – 17:30	Study Day	
Day 8	13/02/2025	09:00 – 17:30	Study Day	
Day 9	20/02/2025	09:00 – 17:30	Study Day	
Day 10	27/02/2025	09:00 – 17:30	Study Day	
Day 11	20/03/2025	09:00 – 13:00	Written Examination + Study Day	HKCH Simulation Training Centre, 1/F, Tower A, Hong Kong Children’s Hospital
		14:00 – 17:30	Trauma Workshop	
Day 12	24/07/2025	09:00 – 16:30	Group Project Presentation	Rm G09, Block M, KH

B. Clinical Practicum: 6 Weeks

Group	Period	No. of PH during CP
Group A	A(I): 31/3/2025 – 13/4/2025	(1 PH on 5/4/25)
	A(II): 14/4/2025 – 18/5/2025	(5 PHs on 18, 19, 21/4/25; 1 & 5/5/25)
Group B	B(I): 19/5/2025 – 1/6/2025	(1 PHs on 31/5/25)
	B(II): 2/6/2025 – 29/6/2025	Nil

TRAINING CONTENTS

1.	General health issues in paediatric nursing
i.	Concept of paediatric nursing
ii	Growth & Development (including immunization)
iii	Nursing process, physical assessment
iv	Diagnostic tests, imaging and laboratory values
v	Legal and ethical aspects of Paediatric care
vi	Grief support
2.	Overview of paediatric health problems
i.	Respiratory problems
ii.	Cardiac problems
iii.	Neurologic problems
iv.	Renal problems
v.	Haematological problems
vi.	Gastrointestinal problems
vii.	Muscular and skeletal problems
viii	Immunological problems
ix	Common genetic problems
3.	Fluid, electrolyte, nutrition and elimination management
i	Applied physiology and pathophysiology of complex conditions related to fluid, electrolyte, nutrition and elimination problems
ii	Assessment and management of complex and abnormal functions of gastrointestinal, urinary and neurological systems
iii	Assessment and management of burn and scald
iv	Management of enteral and parenteral nutrition and fluid therapy
v	Renal replacement therapies
4.	Respiratory and cardiovascular management
i.	Applied physiology and pathophysiology of the respiratory and cardiovascular systems
ii.	Assessment and management of respiratory and cardiovascular conditions
iii.	Pathophysiology and management of shock
iv	Management of rhythm disturbance
v	Paediatric Advanced Life Support
vi.	Recognition and management of congenital anomalies
vii.	Mechanical ventilatory management
viii	Identify indications for Extra Corporeal Membranous Oxygenation (ECMO)

5.	Neurological, pain and stress management
i.	Applied physiology and pathophysiology of conditions related to neurological, pain and stress problems
ii.	Assessment and management of neurological & cranial conditions
iii.	Impact of acute and chronic pain and stress
iv.	Pain assessment and management
6.	Skin, hygiene and infection prevention management
i.	Applied physiology and pathophysiology of conditions related to skin, hygiene and infection prevention
ii.	Assessment and management of septic conditions
iii.	Prevention of infection in immunocompromised conditions
iv.	Infection control measures
v.	Skin assessment and management
vi.	Wound assessment and management
vii.	Ostomy care
viii.	Burn & Scald
7.	Haematological and oncological management
i.	Applied physiology and pathophysiology of the haematological and oncological conditions
ii.	Assessment and management of haematological and oncology emergencies
iii.	Chemotherapy
iv.	Blood and blood products administration
v.	Alternative services to oncology or terminally ill children including palliative service, advance directives
8.	Endocrine & metabolic management
i.	Applied physiology and pathophysiology of endocrine & metabolic conditions
ii.	Assessment and management of endocrine & metabolic emergencies
9.	Musculoskeletal management
i.	Applied physiology and pathophysiology of musculoskeletal conditions
ii.	Assessment and management of congenital musculoskeletal conditions
10.	Therapeutic and care relationship
i.	Establish a therapeutic and caring relationship with child and their families
ii.	Promote the culture of family centered care
iii.	Offer support to child's family facing crisis and imminent death of their beloved child

iv.	Assessment and management of the transition to home/ institutional care
v.	Palliative care and address the needs of the family during grieving and bereavement process
11.	Miscellaneous
i	Pathophysiology of conditions related to trauma
ii	Applied physiology and pathophysiology of organ failure
iii	Management of organ transplant/donation
iv	Inter-/ intra-hospital transfer
v	Transitional care

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. Trauma Workshop
8. Self-directed learning

ASSESSMENT

Components	Date / submission deadline	Weighting
A. Written Assessment		
1. Written Examination +/- Quiz (I) Examination	20/03/2025	60% (60%)
2. Group Project (I) Written Report (II) Oral presentation	17/07/2025 (soft copy) 24/07/2025 (hard copy) 24/07/2025	20% (12%) (8%)
3. Patient Care Study	Group A: 25/05/2025 Group B: 06/07/2025	20%
B. Continuing Clinical Assessment	18/05/2025 29/06/2025	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 e-Certificate 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 227.5 CNE points.

Theoretical input: 83 hours (83 CNE points)

Online Training Module: 27.5 hours (27.5 CNE points)

Clinical Practicum: 6 weeks (117 CNE points)

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