



INSTITUTE OF ADVANCED NURSING STUDIES

Enhancement Program on
Management of Critically Ill Patients in Haemodialysis Therapy
(31/10/2024 – 07/12/2025)
Organised and Conducted by Institute of Advanced Nursing Studies

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 AIM(S)

To develop the knowledge and skills of critical care nurses in the perspective of Haemodialysis (HD) Therapy and to equip them with competencies in performing haemodialysis to critically ill patients in ICU.

PROGRAM INTENDED LEARNING OUTCOMES

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

1. describe acute kidney injury, the pathophysiology and general medical management
2. recognize the assessment of patients in acute renal failure
3. explain the concepts & principles of haemodialysis
4. provide the nursing care necessary to assure a safe and effective therapy for patient undergoing haemodialysis in Intensive Care Unit
5. demonstrate competencies in:
 - the operation and maintenance of water treatment and the reverse osmosis system
 - setting up & operating haemodialysis machine
 - priming & reprocessing various types of dialysers
 - care of vascular access
 - judicious administration of anticoagulant
 - trouble-shooting for the haemodialysis system and machine
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TARGET PARTICIPANTS

1. Nurses currently working in intensive care unit.

ENTRY REQUIREMENTS

1. Registered nurses with valid practicing certificate issued by the Nursing Council of Hong Kong.
2. Nurses having not less than 36 months post-registration experience.

CLASS SIZE

~33 HA Registered Nurses

LANGUAGE MEDIUM

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

PROGRAM DURATION

31/10/2024 – 07/12/2025

PROGRAM DESIGN

The course composes of theoretical input & supervised clinical practice

A. Theoretical input

3 study days and 1.5 hours for Quiz and briefing to clinical attachment

Day	Date	Time	Activity	Venue / online
Day 1	31/10/2024	09:00 – 17:00	Study Day	Rm 106 AB 1/F, Block M, Kowloon Hospital
Day 2	07/11/2024		Study Day	
Day 3	14/11/2024		Study Day	
Day 4	28/11/2024	09:00 – 10:30	Study Day	

B. Supervised Clinical Practice: 4 Weeks

4 weeks clinical practice on haemodialysis in respective Renal Unit & should be completed within 1 year after the theoretical session. i.e. 02/12/2024 – 07/12/2025.

TRAINING CONTENT

1. Renal anatomy & applied physiology
2. Clinical assessment of renal failure
3. Acute kidney injury
4. Principles of haemodialysis
5. Adequacy of dialysis
6. Anticoagulation, acute complications in haemodialysis & medical management
7. Extracorporeal treatment of poisoning
8. Nursing management of patients on haemodialysis

9. Vascular access care
10. Water treatment system
11. Plasmapheresis and haemoperfusion
12. Infection control
13. Haemodialysis practices in intensive care unit

TEACHING & LEARNING STRATEGIES

1. Lectures
2. Demonstration
3. Clinical teaching and supervised clinical practice

ASSESSMENT

- A. Quiz and
- B. Performance Appraisal upon completion of the Supervised Clinical Practice

AWARD OF CERTIFICATE

A e-Certificate of Achievement will be issued to those who have *attended all the lectures, completed all assessments of the course and successfully passed the written assessment.*

CNE POINTS

This program is equivalent to 99 CNE points.

Theoretical Input:	21 hours (21 CNE points)
Supervised Clinical Practice:	4 weeks (78 CNE points)

PROGRAM DIRECTOR

Mr. YU Man Kit
Tel: 23007717

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

ENQUIRY

Mr. Micky LEUNG
Tel: 23006874

HOCS CII(N)
Email: mickyleung@ha.org.hk

Enhancement Program on
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31 October 2024 – 28 November 2024

Timetable (Draft as at 20240711)

VENUE	Day 1	Day 2	Day 3	Day 4
		Rm 106 AB 1/F, Block M, Kowloon Hospital		
DATE/ TIME	31 October 2024	7 November 2024	14 November 2024	28 November 2024
09:00 – 10:30	<u>09:00 – 09:30</u> Course Introduction Mr. M K YU M(N), IANS <u>09:30 – 11:30</u> Nursing Management of patient with vascular access Ms. Dorothy Sung NC/ Renal/ QEH	<u>09:00 – 10:30</u> Acute Kidney Injury Dr. W W YAN CONS/HBOT/ ICU / PYNEH	<u>09:00 – 10:30</u> Adequacy of dialysis Dr. P N Wong Dep. COS/ M&G/ KWH	Examination (1-hour) Mr. M K YU M(N), IANS <u>10:00 – 10:30</u> Course Evaluation & Briefing on Clinical Attachment Mr. M K YU M(N), IANS
10:30 – 11:00	<i>BREAK</i>			
11:00 – 13:00	<u>11:30 – 12:00</u> <i>BREAK</i> <u>12:00 – 13:00</u> Water Treatment System Ms. Carina Ho Ka Man ANC/ Med/ QEH	Nursing Management of patients on HD & its complications Ms. S L TAM NC/ Renal/ KWH	<u>11:00 – 12:00</u> Extracorporeal Treatment of Poisoning Dr. S F CHEUNG COS/ Med/ YCH <u>12:00 – 13:00</u> Plasmapheresis & Haemoperfusion Mr. S L WONG NC/ ICU/ NTWC	
13:00 – 14:00	<i>LUNCH</i>			
14:00 – 15:30	Principles of Haemodialysis Dr. C Y YUNG COS/M&G/POH/TSWH	Infection Control in ICU providing Haemodialysis Services Ms. Y M WONG ANC (IC&ID)/PYNEH/ HKEC	Clinical Assessment of renal failure Dr LAM Chi Kwan Darwin AC/ M&G (Renal)/ UCH	
15:30 – 17:00	Renal Anatomy & Applied Physiology Dr. Penny Wu AC/ ICU/ NTWC	Anticoagulation in HD: Complications and Management Dr. H P SHUM COS/ICU/ PYNEH	HD practices in ICU Ms. Joanna LO NC/ ICU/ HKEC	