

## INSTITUTE OF ADVANCED NURSING STUDIES

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

**(7/6/2024-7/3/2025)**

**Organised by Institute of Advanced Nursing Studies and Conducted by Hong Kong  
West 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**

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

To develop the competencies of registered nurses to provide a high standard of care for patients with haematological problems and patients requiring haemopoietic stem cell transplantation (HSCT).

### **PROGRAM INTENDED LEARNING OUTCOMES**

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

1. integrate knowledge on haematological pathophysiology and health assessment in identifying the needs of haematological / haemopoietic stem cell transplantation (HSCT) patients
2. provide holistic care to haematological / HSCT patients based on the identified psychosocial and physical needs
3. provide psychological support for haematological/ HSCT patients and their families to enhance their coping with the altered physiological functions and body image associated with chemotherapy, radiotherapy, and/or haemopoietic stem cell transplantation
4. implement care for patients undergoing specific haematological treatment procedures, e.g. plasmapheresis, leukopheresis, bone marrow harvest
5. demonstrate efficiency in the handling, maintenance and care of the central venous line
6. implement specific measures to prevent infection in immunocompromised patients
7. implement preventive measures, close surveillance and appropriate nursing management for complications in haematological / HSCT patients during the treatment process
8. provide client-centred patient and family education to facilitate the treatment process and promote health maintenance
9. demonstrate accountability, flexibility and communication skills when working in partnership with members of the multidisciplinary team and critically appraise own role in the team
10. participate in quality improvement activities in haematological / HSCT nursing

## **TARGET PARTICIPANTS**

1. Nurses in RN rank
2. Priority will be given to those who are currently working in haematology/HSCT units or medical units with haematological patients in HA hospitals / institutions.
3. Nurses who have previously enrolled in PRCC without successful completion may be given low priority

## **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.

## **PRE-REQUISITES** (N/A)

## **EXIT REQUIREMENTS** (N/A)

## **CLASS SIZE**

40

## **LANGUAGE MEDIUM**

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

## **PROGRAM DURATION**

7/6/2024-7/3/2025

## **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 **23/6/2024 23:59**

#### **Briefing on eLC+ platform via zoom:**

*Date: 7/6/2024*

*Time: 11:00 -11:30 am*

Meeting ID: 935 1490 0207

Password: 994075

Link: <https://ha-org-hk.zoom.us/j/93514900207>

<b>No.</b>	<b>Title</b>	<b>Speaker</b>	<b>No. of CNE point</b>
1	<i>Haemopoiesis &amp; Erythropoiesis</i>	<i>Dr. Carman Lee AC (Med), QMH</i>	1
2	<i>Opportunistic Infection and Management of the Immunocompromised and Pancytopenic Patients</i>	<i>Dr. Owen TSANG, CONS(M&amp;G), PMH</i>	2
3	<i>Common Platelet Problems</i>	<i>Dr. Kwok Chi Hang AC (MED), YCH</i>	1.5
4	<i>Haematological Emergencies</i>	<i>Dr. Gloria Y Y Hwang Consultant (MED), QMH</i>	1.5
5	<i>Safe Administration and Handling of Chemotherapy</i>	<i>Mr Wong Siu Lun / Ms. Tseung Shan CC (OSH), KWC / ANC (M&amp;G), PMH</i>	2
6	<i>Nursing Management of Patients during Transfusion</i>	<i>Ms. Kwok Ka Chui APN (M&amp;G), UCH</i>	2
7	<i>Care and Maintenance of Central Venous Access Device</i>	<i>Ms. Mak Chui Ling, NC(Haematology), NTWC</i>	1.5
8	<i>Nursing Management of Patients with Haematological Emergencies</i>	<i>Ms. Chu Hon Man APN (MED), QMH</i>	1.5
9	<i>Infection Control for Haematological and HSCT Patients</i>	<i>Dr Li Xin Clinical Assistant Professor Dept. of Microbiology, HKU</i>	2
10	<i>Anaemia and transfusion related medication</i>	<i>Dr. Karen Tang AC (MED), QMH</i>	2

11	<i>Chemotherapy &amp; Extravasation</i>	<i>Dr. Karen Tang AC (MED), QMH</i>	1.5
12	<i>Haematological Investigations &amp; Procedures (Part I)</i>	<i>Dr. Kate Leung CONS (Path), PMH</i>	1.5
		<i>Total</i>	<i>20 hours</i>

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

Day	Date	Time	Activity	Venue / online
Day 1	28/6/2024	9:00-17:30	Study Day	Classroom 1, School of Nursing, QMH
Day 2	5/7/2024		Study Day	
Day 3	12/7/2024		Study Day	
Day 4	19/7/2024		Study Day	
Day 5	26/7/2024		Study Day	
Day 6	2/8/2024		Study Day	
Day 7	9/8/2024		Study Day	
Day 8	16/8/2024	9:00-13:15	Study Day+	TBC, QEH
		14:15-17:30	Educational Visit	
Day 9	23/8/2024	9:00-17:30	Study Day	Classroom 1, School of Nursing, QMH
Day 10	30/8/2024	9:00-15:45	Study Day	
		15:45-17:30	Educational Visit	
Day 11	21/2/2025	9:00-17:30	Group Project Presentation	
Day 12	7/3/2025	9:00-13:00	Written Examination	

### **B. Clinical Practicum: 6 Weeks**

Period: 09/09/2024 – 07/03/2025

- (a) 3 weeks in Haematology unit (including day ward)
- (b) 1 week in Autologous Haemopoietic Stem Cell Transplant (AHSCT) Unit
- (c) 2 weeks in Haemopoietic Stem Cell Transplant (HSCT) center in QMH

(8 groups)

Group A: 09/09/2024 – 22/09/2024

Group B: 30/09/2024 – 13/10/2024

Group C: 21/10/2024 – 03/11/2024

Group D: 04/11/2024 – 17/11/2024

Group E: 25/11/2024 – 08/12/2024

Group F: 09/12/2024 – 22/12/2024

Group G: 30/12/2024 – 12/01/2025

Group H: 03/02/2025 – 16/02/2025

## **TRAINING CONTENT**

### **A. Applied Anatomy / Physiology and Clinical Pathology**

1. Haemopoiesis (*topic in Module I*)
2. Body Defence Mechanism (*topic in Module I*)

### **B. Haematological Investigations / Procedures and Nursing Management**

1. Haematological Investigations and Procedures
  - 1.1 Part I (*topic in Module I*)
  - 1.2 Part II
2. Transfusion Medicine
3. Nursing Management of Patients during Transfusion (*topic in Module I*)
4. Apheresis Nursing
  - 4.1 Introduction to Donor Apheresis
  - 4.2 Mobilisation and Collection of Peripheral Blood Progenitor Cells
5. Care and Maintenance of Central Venous Access Device (*topic in Module I*)
6. Red cell exchange and other therapeutic alteration of red cell mass/TPE in Haematological diseases/ therapeutic cell depletion

### **C. Haematological Diseases and their Management**

1. Anaemia
  - 1.1 Erythropoiesis & Anaemias (*topic in Module I*)
2. Thalassemia & Related Treatment
3. Haemophilia & Related Treatment
4. Myelodysplasia, Myeloproliferative neoplasms, & their treatment
5. Haematological Malignancies
  - 5.1 Leukaemia & Treatment
  - 5.2 ALL/CML treatment & MRD monitoring
  - 5.3 NGS study and germline screening

- 5.4 Malignant Lymphoma
- 5.5 Multiple Myeloma & Related Disorder
- 5.6 Hepatitis & Anti-viral Therapy in Haematological Malignancies
- 6. Benign Haematological Nursing
- 7. CAR T-cell Therapy
- 8. Chemotherapy & Biotherapy for Haematological Malignancies
- 9. Platelet Disorders and Coagulation Disorders
  - 9.1 Haemostasis & Bleeding Disorders
  - 9.2 Thrombosis, Anti-thrombotic Therapy & New Anticoagulants Treatment
- 10. Common Haematological Problems (*topic in Module I*)
- 11. *Haematological Emergencies (topic in Module I)*

**D. Haemopoietic stem cell transplantation (HSCT)**

- 1. Nursing Management for post HSCT patients
- 2. Haemopoietic Stem Cell Transplantation Indications, Complications and Outcomes
- 3. Nursing Management of patient undergoing Haemopoietic Stem Cell Transplantation
- 4. Management of Relapse After Transplant
- 5. Interpretation of HLA typing and DSA screening
- 6. Simple interpretation of human leukocyte antigen typing result / Donor matching and role of HSCT coordinator
- 7. Preparation for HSCT
- 8. CAR T-cell Therapy Coordination

**E. Haematological and HSCT Nursing**

- 1. Nursing Responsibility and Assessment of Haematology Nursing
- 2. Nursing Management of Patients with Acquired Coagulation Disorders, Thrombocytopenia and Haemophilia
- 3. Safe Administration and Handling of Chemotherapy (*topic in Module I*)
- 4. Nursing Management of Patients with Haematological Emergencies
- 5. Leukaemia Nursing
- 6. Lymphoma Nursing
- 7. Myeloma Nursing
- 8. CAR-T Nursing
- 9. Nursing care for patient receiving Radiotherapy
- 10. Infection Control for Haematological and HSCT patients (*topic in Module I*)
- 11. Pre-transfusion compatibility test

**F. Support Care; Nutritional and Psychosocial Aspects**

- 1. Opportunistic Infection and Management of the Immunocompromised and Pancytopenic Patient (*topic in Module I*)
- 2. Physiotherapy Management in Haemophilia

3. Nutritional Assessment and Support for HSCT patients
4. Emesis and Oral Care
5. Drug interactions in Anti-cancer therapy
6. Addressing the psychological needs and quality of life of HSCT patients
7. Communication skills and Psychological Support to patients with Haematological Malignancies
8. Introduction of HK Red Cross Blood Transfusion Service

**G. Miscellaneous**

1. Course orientation
2. Course Orientation on Module II
3. Briefing on Clinical Practicum and Patient Care Study
4. Preparation for examination
5. Preparation for Group Project
6. Tutorial
7. Group Project Presentation
8. Written Examination
9. Course Evaluation

**H. Educational Visits**

1. Haematology Laboratory
2. Blood Bank
3. Red Cross
4. HSCT Laboratory (during clinical practicum)
5. TBI conditioning (during clinical practicum)

**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. Self-directed learning

## **ASSESSMENT**

Components	Date / submission deadline	Weighting
<b>A. Written Assessment</b>		
1. Written Examination	7/3/2025	60%
2. Group Project (I) Written Report (II) Oral Presentation	submitted before 14/2/2025 23:59 PPT submitted before 14/2/2025 23:59 Presentation on 21/2/2025	20% (12%) (8%)
3. Patient Care Study	2 weeks after completion of practicum in Haematology unit in parent hospital	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 215.5 CNE points.

Theoretical Input:	76.5 hours (76.5 CNE points) Study Day 1-7, 9, 11 --> 63 hour Study Day 8: 4 hour Study Day 10: 5.5 hour Study Day 12: 4 hour
Online Training Module:	20 hours (20 CNE points)
Clinical Practicum:	6 weeks ( 117 CNE points)
Educational Visit:	3 + 1.5 hours ( 2 CNE points)

## **PROGRAM DIRECTOR**

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