

## INSTITUTE OF ADVANCED NURSING STUDIES

### **Advanced Specialty Training in Ophthalmic Nursing: Nurse Delivered Intravitreal Injection 2024/25 (Full Course)** **02.12.2024 – 31.03.2026**

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

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#### **COURSE AIM**

To provide nurses with updated ophthalmological knowledge and skills on anti-VEGF intravitreal injection so as to administer it safely and effectively.

#### **COURSE INTENDED LEARNING OUTCOME(S)**

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

1. Understand anatomy of the eye in relation to a safe delivery of the injection.
2. Understand the indications of anti-VEGF intravitreal injections.
3. Understand the consenting process and preparation of patient for intravitreal injections.
4. Acquire knowledge and skills in performing intravitreal injections.
5. Acquire knowledge and skills in performing post injection assessment for patients.
6. Identify patient's potential risks and complications throughout the injection procedure.
7. Demonstrate ability to manage complications and understand when to call for assistance.
8. Provide post injection educations to patients and significant others.

#### **TARGET PARTICIPANTS**

Registered Nurse or above ranks

#### **ENTRY REQUIREMENTS**

1. Nurses must be registered with the Nursing Council of Hong Kong, possess a valid practicing certificate and have 4 years post-registration nursing experience in Ophthalmology;
2. Nurses must have completed PRCC in Ophthalmic Nursing and are currently working in Ophthalmology units.

#### **CLASS SIZE**

3

#### **LANGUAGE MEDIUM**

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

#### **COURSE DURATION**

**02.12.2024 – 31.03.2026**

## **COURSE DESIGN AND DURATION**

### **A. Theoretical Input**

<b><u>Day</u></b>	<b><u>Date</u></b>	<b><u>Time</u></b>	<b><u>Activity</u></b>	<b><u>Venue</u></b>
Day 1	02.12.2024	09:00-13:00	Lecture	Rm G08AB, Blk M, KH
		14:10-18:10	Practical Workshop/ Simulation Training	Rm G08AB, Blk M, KH
Day 2	16.12.2024	10:00-11:00	E-Quiz	Online

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

Group A: 01.04.2025 – 30.09.2025

Group B: 01.10.2025 – 31.03.2026

## **TRAINING CONTENT**

1. Anatomy and physiology of the eye
2. Indications of anti-VEGF intravitreal injections
3. Risks, legal and informed consent issues
4. Preparation of patients and special precautions for the injection procedures
5. Process of administering the injection and identifying potential risk, complications and management strategies
6. Patient pre-and post-injection nursing care and assessment
7. Infection control
8. Pharmacology and clinical trial
9. Interpretation on Optical Coherence Tomography (OCT)/ Fluorescein Angiography (FFA)

## **ASSESSMENT**

1. Written Assessment:
  - a. E-Quiz (passing mark: 16)
2. Clinical Assessment:
  - a. Logbook
    - i. Observation of practice (20 cases)  
To observe intravitreal injections undertaken by a vitreoretinal surgeon.
    - ii. Preparation of patient (20 cases)  
To develop competence in explaining the procedure to the patient, positioning of the patient, skin-preparation, draping and insertion of the lid speculum under supervision.
    - iii. Administration of intravitreal injection (100 cases)  
To administer intravitreal injections under the supervision of a designated mentor (a vitreoretinal surgeon).
  - b. Competency Assessment (3 Cases)
    - i. Competency assessments at the end of the supervised clinical practicum.

## **AWARD OF CERTIFICATE**

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

## **CNE POINTS**

This course is equivalent to 30.5 CNE points.

Theoretical Input:	4 hours (4 CNE points)
E-Quiz:	1 hour (1 CNE point)

Practical Workshop/ Simulation Training:  
Clinical Practicum:

4 hours (4 CNE points)  
6 months (43 hours for 140 cases) (21.5 CNE points)

**COURSE DIRECTOR**

Ms. Anna LI  
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**COURSE COORDINATOR**

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**ENQUIRY**

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## TIMETABLE

Date Time	02 December 2024	
	<i>Topic</i>	<i>Speaker</i>
09:00 – 12:00	<ol style="list-style-type: none"> <li>1. Anatomy and physiology of the eye</li> <li>2. Indications of anti-VEGF intravitreal injections</li> <li>3. Risks, legal and informed consent issues</li> <li>4. Preparation of patients and special precautions for the injection procedures</li> <li>5. Process of administering the injection and identifying potential risk, complications and management strategies</li> <li>6. Pharmacology and clinical trial</li> <li>7. Interpretation on Optical Coherence Tomography (OCT)/ Fluorescein Angiography (FFA)</li> </ol>	Dr. Samuela TANG, Associate Consultant (OPH), UCH, KEC
12:00 – 13:00	<ol style="list-style-type: none"> <li>1. Infection control</li> <li>2. Patient pre- and post-injection nursing care and assessment</li> </ol>	Ms. Monica LEE, Nurse Consultant (OPH), KEC  Ms. NG Lai Kuen, Associate Nurse Consultant (OPH), TKOH, KEC
13:00 – 13:10	Briefing to Written Quiz and Clinical Practicum	Ms. Anna LI, Manager (Nursing), HOCS, HAHO
13:10 – 14:10	Lunch Break	
14:10 – 18:10	Intravitreal injection workshop / Simulation training	Dr. Daniel WONG, Associate Consultant (OPH), UCH, KEC  Dr. Samuela TANG, Associate Consultant (OPH), UCH, KEC  Ms. Monica LEE, Nurse Consultant (OPH), KEC  Ms. NG Lai Kuen, Associate Nurse Consultant (OPH), TKOH, KEC

Date Time	16 December 2024	
	<i>Activities</i>	<i>Location</i>
10:00 – 11:00	E- Quiz	Online