

## INSTITUTE OF ADVANCED NURSING STUDIES

### **Electro-encephalography (EEG) Course for Nurses 2023/24** **(17/2/2024-29/9/2025)**

*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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**Date : 17/2/2024-29/9/2025**  
**Mode of learning : Face-to-face, clinical attachment and on-line learning material**

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

1. To equip nurses' knowledge and skills in the management of patients requiring electroencephalography recording.

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

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

1. Apply the electroencephalography electrodes correctly and properly according to the 10-20 electrode placement system and perform EEG recording
2. Implement the nursing care to clients before, during and after the electroencephalography
3. Document the artefacts of the neuro-electrophysiological tests
4. Document a factual report of the neuro-electrophysiological tests
5. Describe the basic principles, set up, operation, maintenance, cleaning and troubleshooting of the EEG machine.

#### **CONTENT**

- Application of the electroencephalography electrodes according to the 10-20 system
- Different types of EEG electrodes
- Care and maintenance of electrodes
- Function of High/ Low filters
- Montage setting
- EEG derivations and labeling/ tackling artefacts
- Factual EEG report writing
- Recording technique
- EEG specifications and EEG consumable

- Preparation of clients for EEG
- Care of clients during and after performing EEG
- Infection Control
- EEG tracing interpretation

## **COURSE DESIGN**

### **Date/ Time/ Venue**

#### **A. Theoretical session**

##### ***Part IA:***

***The participants are required to complete the following e-learning courses in the eLC+ platform on or before 2/3/2024 23:59.***

<b>No.</b>	<b>Title of e-learning course</b>	<b>Speaker</b>	<b>CNE point</b>
1	Principle of Instrumentation; Recording Troubleshooting Techniques	Mr. SW FONG, Registered Nurse, YCH	1
2	Montage Modifications and Polarity; Localization Techniques	Mr. SW FONG, Registered Nurse, YCH	1
3	Recording technique & Activation Procedure	Mr. SW FONG, Registered Nurse, YCH	1
4	EEG Patterns and Waveform Analysis; Normal EEG Pattern; Normal EEG at Different Ages	Mr. SW FONG, Registered Nurse, YCH	2
5	Application of the Electroencephalography Function of High/ Low Filters Electrodes According to the 10-20 System	Mr. SW FONG, Registered Nurse, YCH	1
6	EEG Specifications and EEG Consumable; Preparation of Clients for EEG Care of Clients during and After Performing EEG; Infection Control	Mr. CT WOO, Advanced Practice Nurse(EDU), TMH	2

**Part IB:**

Day	Date	Time	Venue	Activity
1	24/2/2024	9:00-17:00	Room G09, G/F, Block M, Kowloon Hospital	Study Day
2	2/3/2024	9:00-18:00		Study Day
3	23/3/2024	9:00-11:15	Face-to-face/ To be confirmed	Quiz and study day

**B. Clinical Attachment**

Participants are required to perform 60 EEG cases Factual Report (minimum 10 cases in \*paediatrics **AND** minimum 10 cases in #adult) in designated hospitals within from 25 Mar 2024 to 29 Sep 2025.

\*Paediatric case: ≤6 year old

#Adult Case: >6 year old

**Partial clinical practicum center:**

- EDU, Ruttonjee & Tang Shiu Kin Hospitals
- P&AM, Kwong Wah Hospital
- EDU, Kwai Chung Hospital
- SDC, Yan Chai Hospital
- EDU, North District Department
- EDU, Pok Oi Hospital
- EDU, Castle Peak Hospital

**Full clinical practicum center**

- EDU, Pamela Youde Nethersole Eastern Hospital
- NDU, Queen Mary Hospital
- EDU, Queen Elizabeth Hospital
- EMDU, Kwong Wah Hospital
- EDU, Hong Kong Children Hospital
- EDU, United Christian Hospital
- EDU, Tseung Kwan O Hospital
- EDU, Caritas Medical Centre
- EDU, Princess Margaret Hospital
- EMDU, Alice Ho Miu Ling Nethersole Hospital
- EDU, Prince of Wales Hospital
- EDU, Tuen Mun Hospital

**ASSESSMENT**

Each participant is required to successfully pass in

- Quiz on 23 Mar 2024
- Practicum Logbook
- Perform a competency appraisal assessed by clinical mentor

**TARGET PARTICIPANTS**

- EN, RN or above ranks
- Priority will be given to those who are currently working in related unit in HA hospitals/ institutions.

### **ENTRY REQUIREMENT**

Enrolled nurse/Registered Nurses with valid practicing certificates issued by the Nursing Council of Hong Kong

### **CLASS SIZE**

39

### **LANGUAGE MEDIUM**

Both English and Cantonese will be used.

### **AWARD OF CERTIFICATE**

An electronic certificate of attendance will be awarded to those participants who have attended all parts of the course.

### **CNE POINTS**

This course is equivalent to 72 CNE points.

Theoretical Input:	24.75 hours (24.5 CNE point)
	Net study hour in Day 1: 6.75 hours
	Net study hour in Day 2: 7.75 hours
	Net study hour in Day 3: 2.25 hours
e-learning material:	8 hours (8 CNE points)
Clinical Practicum:	95 hours (47.5 CNE point)

### **COURSE DIRECTOR**

Ms. Ada CHUNG  
Tel: 2300 7719

Manager(N), IANS, HAHO  
Email: cwm745@ha.org.hk

### **ENQUIRY**

Ms. Rennie HO  
Tel: 2300 7705

EAI(N), IANS, HAHO  
Email: rennie.ho1@ha.org.hk

### **WORKGROUP MEMBERS**

Ms. TSENG Wa Ying	APN(MED) PYNEH
Ms. MA Hoi Yan	APN(MED), QMH
Ms. NG Tan Tan	APN(EDU), QEH
Ms. CHENG Lai Lai	APN(EDU), UCH
Ms. TSE Suk Yee	APN(MED-EDU), TKOH
Ms. LAI Man Kei, Amanda	APN(MED), YCH
Mr. William CHANG	APN(Psy)(EDU), KCH
Mr. LIU Ka Hung	WM(MED), PWH

Ms. CHUNG Bin Yat/ Mr. LEUNG Kam Piu  
Ms. TAM Wing Man, Angel

APN(EDU/CEU/DW), POH  
RN(Psy), EDU, CPH

### **LEARNING PLATFORM**

Participants can access the e-learning material lecture notes and submit assessments in the below link (elc+) from 10/2/2024.

**[halms.com.hk](https://halms.com.hk)**