

ILAE ASEPA EEG Master Class:

Epilepsy in Malformation of Cortical Development

On behalf of the Children's Epilepsy Association of Taiwan, we have cooperated with the Asian Epilepsy Academy (ASEPA) and held the 2025 EEG master class in Taipei on June 21, 2025, to focus on epilepsy in MCDs. The class aims to enhance understanding and improve diagnostic precision.

Overview of Malformation of Cortical Development

Malformations of cortical development (MCD) are structural anomalies of the brain that result from disruptions in any of the stages of cortical formation: proliferation, migration, or organization. We invited experimental speakers to deliver four lectures in the morning to stress the clinical spectrum, EEG, and management of common MCD. Additionally, the overlap between structural anomalies and genetic mutations was discussed.

The Role of Comprehensive Evaluations in MCD

ILAE ASEPA EEG master classes emphasize the comprehensive evaluations for MCD with epilepsy, by small group case discussion in the afternoon, including:

- Video-EEG monitoring: Correlates ictal events with clinical manifestations for better localization and characterization.
- Neuroimaging: MRI and functional imaging techniques alongside EEG for a more accurate diagnosis.
- Multidisciplinary approach and tailored decision-making

The ILAE ASEPA EEG master class on epilepsy in MCDs provided a comprehensive curriculum for neurologists, epileptologists, and EEG technicians. We want to equip professionals with advanced diagnostic and therapeutic skills and improve patient outcomes by promoting precision medicine and evidence-based approaches.



2025

ILAE ASEPA EEG Master Class

- Epilepsy in Malformation of Cortical Development

Date : 2025-06-21 (Saturday)

Place : B1, Glory-Butterfly Room, Sheraton Grand Taipei Hotel

Agenda

Time	Topic	Speaker		
08:30-08:50	Registration			
08:50-09:00	Opening : Dr. Chang Ming Yuh (President of CEAT) Dr. Derrick Chan Wei Shih (Chair of ILAE CAOASEPA Task Force)	Children's Epilepsy Association of Taiwan International League Against Epilepsy		
09:00-09:30	Clinical spectrum in malformation of cortical development	Dr Derrick Chan Wei Shih (Chair of ILAE CAOASEPA Task Force/ KK Women's and Children's Hospital, Singapore)		
09:30-09:40	Discussion			
09:40-10:10	Epilepsy in hemimegalencephaly	Professor Dr Fong Choong Yi (Department of Paediatrics, University Malaya, Kuala Lumpur, Malaysia)		
10:10-10:20	Discussion			
10:20-10:40	Break			
10:40-11:10	Epilepsy Surgery for Malformation of Cortical Development	Dr Chen Hsin Hung (Division of Pediatric Neurosurgery, Taipei Veterans General Hospital, Taiwan)		
11:10-11:20	Discussion			
11:20-11:50	EEG in Malformation of Cortical Development	Dr Chen Chien (Division of Epilepsy, Taipei Veterans General Hospital, Taiwan)		
11:50-12:00	Discussion			
12:00-13:00	Lunch			
13:00-16:30	Workshop			
Tutors	Station 1	Station 2	Station 3	
	Dr Kwan Shang Yeong Dr Chang Ming Yuh Dr Chou I Ching	Professor Dr Choong Yi Fong Dr Chen Chu Chin Dr Liang Jao Shwann	Dr Derrick Chan Wei Shih Dr Tsai Min Lan Dr Lin Jainn Jim	
	Case 1	Group 1	Group 2	Group 3
	Case 2	Group 2	Group 3	Group 1
Case 3	Group 3	Group 1	Group 2	
16:00-16:20	Plenary Discussion and wrap-up			
16:20-16:30	Closing			



