

## **Dr. Chusak Limotai, MD., M.Sc.**

**Date of birth:** 7 March 1975

### **Current positions:**

- Head of Chulalongkorn Epilepsy Center of Excellence (CCEC), King Chulalongkorn Memorial Hospital, The Thai Red Cross Society, Bangkok, Thailand
- Lecturer at Division of Neurology, Department of Medicine, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand
- PhD Candidate in Clinical Epidemiology and Biostatistics, Ramathibodi Hospital, Faculty of Medicine, Mahidol University

### **Educations:**

- Doctor of Medicine (Honors: *Suma cum Laude*), Srinakarinwirote University, 1998
- Diploma in Thai Board of Neurology, Chulalongkorn University, 2001-2004
- Masters of Medical Science (M. Sc.), Chulalongkorn University, 2005-2007
- Fellowship in Epilepsy, Case Western Reserve University, Cleveland Ohio, USA, 2009-2010
- Clinical Fellow in EEG/Epilepsy (adults), Western University, London, Ontario, Canada, 2010-2011
- Diplomate in EEG, issued by Canadian Society of Clinical Neurophysiologist (CSCN), 2012
- Clinical Fellow in Paediatric Epilepsy, The Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada, 2011-2013

### **Awards**

- First-place winner of the Best Abstract Award of the Year at the 35<sup>th</sup> Annual Meeting of the Royal College of Physicians of Thailand, 25<sup>th</sup>- 27<sup>th</sup> April 2019, Pattaya, Thailand
- Gold star poster at the 30<sup>th</sup> International Epilepsy Congress (IEC) 2013, Montreal, Canada

### **Scientific presentations (Oral presentation)**

- Data blitz session (EEG, basic aspects and experimental treatments) at the 7<sup>th</sup> London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures, 7<sup>th</sup> – 9<sup>th</sup> April 2019, London, UK
- Limotai C, Go C, Ochi A, Noyman I, Rutka J, Otsubo H. Steal phenomena of Sturge-Weber syndrome mimicking contralateral ictal EEG onset. Prichard's Research Day; April, 2012. The Hospital for Sick Children. University of Toronto
- Limotai C, Go C, Ochi A, Noyman I, Rutka J, Otsubo H. Steal phenomena of Sturge-Weber syndrome mimicking contralateral ictal EEG onset. 47<sup>th</sup> Canadian Neurological Sciences Meeting. Platform presentation; June 8, 2012. Ottawa Canada
- Limotai C, McLachlan RS, Hayman-Abello S, Hayman-Abello B, Brown S, Bihari F, Mirsattari SM. Reorganization of memory circuits in temporal lobe epilepsy. 47<sup>th</sup> Canadian Neurological Sciences Meeting. **Chair's Select Platform presentation**; June 7, 2012. Ottawa Canada

### **Research interests:**

- EEG source imaging and high-resolution EEG
- EEG in critically ill patients

### **Ongoing project:**

“Efficacy and economic evaluation of delivery of care with Tele-continuous EEG in critically ill patients: a multicenter randomized controlled trial”, registered with Thai Clinical Trials Registry (TCTR20181022002).

### **Publications:**

1. **Limotai C**, Phanthumchinda K. Cerebral Venous Sinus Thrombosis in Behcet's Disease: A Case Report. J Med Assoc Thai 2004; 87 (7): 845-9.

2. Lochareernkul C, Loplumlert J, **Limotai C**, Korkij W, Desudchit T, Tongkobpetch S, Kanwanshiratada O, Hirankarn N, Suphapeetiporn K, Shotelersuk, V. Carbamazepine and phenytoin induced Stevens-Johnson syndrome is associated with HLA-B\*1502 allele in Thai population. *Epilepsia* 2008; 49 (12): 2087-91.
3. Hamaneh MB, **Limotai C**, Luders HO. Sphenoidal electrodes significantly change the results of source localization of interictal spikes for a large percentage of patients with temporal lobe epilepsy. *J Clin Neurophysiol* 2011; 28 (4): 373-79.
4. **Limotai C**, Mirsattari SM. Role of Functional MRI (fMRI) in Presurgical Evaluation of Memory Function in Temporal Lobe Epilepsy. *Epilepsy Research and Treatment* 2012; 2012:687219. doi: 10.1155/2012/687219.
5. **Limotai C**, Mirsattari SM. Post-traumatic Epilepsy with Isolated Memory Flashbacks: Epileptic Disorder 2013; 15 (1): 67-71.
6. Kanchanatawan B1, **Limothai C**, Srikiyvilakul T, Maes M. Clinical predictors of 2-year outcome of resective epilepsy surgery in adults with refractory epilepsy: a cohort study. *BMJ Open* 2014; 22; 4 (4): e004852.
7. **Limotai C**, Go C, Ochi A, Noyman I, Rutka J, Otsubo H. Steal phenomena of Sturge-Weber syndrome mimicking contralateral ictal EEG onset. *J Neurosurg Ped* 2015; 16 (2): 212-6.
8. **Limotai C**, Noivong P. Ictal dancing associated with hippocampal sclerosis. *Seizure* 2016; 34: 74-7.
9. **Limotai C**, Manmen T, Urai K, Limarun C. A survey of epilepsy knowledge, attitudes and practice in school-aged children in Bangkok, Thailand. *Acta Neurol Scand* 2017; 137 (1): 38-43.
10. Ramchuankiat S, Jarumaneeroj P, **Limotai C**, Tepmongkol S, Rakvongthai Y. Impact of injection time on migration of SPECT seizure onset in temporal lobe epilepsy. *Conf Proc IEEE Eng Med Biol Soc.* 2017; Jul 2017: 1465-1468.

11. Piromruen P, **Limotai C**. Seizure freedom following surgery for multi-focal epilepsy due to cerebral malaria. *Epilepsy Behav Case Rep*. 2017; 12 (9): 46-48.
12. **Limotai C**, Denlertchaikul C, Saraya AW, Jirasakuldej S. Predictive values and specificity of electroencephalographic findings in autoimmune encephalitis diagnosis. *Epilepsy Behav*. 2018; Jul 84: 29-36.
13. **Limotai C**, Tasanaworapunya P, Thaipisuttikul I. Diagnostic Performance of the Electroencephalogram in the Elderly Manifesting with Episodes of Unresponsiveness. *Clin EEG Neurosci*. 2018; May 1:1550059418776087. doi: 10.1177/1550059418776087.
14. **Limotai C**, McLachlan RS, Hayman-Abello S, Hayman-Abello B, Brown S, Bihari F, Mirsattari SM. Memory loss and memory reorganization patterns in temporal lobe epilepsy patients undergoing anterior temporal lobe resection, as demonstrated by pre-versus post-operative functional MRI. *J Clin Neurosci* 2018; Sep 55: 38-44.
15. **Limotai C**, Ingsathit A, Thadanipon K, McEvoy M, Attia J, Thakkinstian A. How and Whom to Monitor for Seizures in an ICU: A Systematic Review and Meta-Analysis. *Crit Care Medicine* 2019; 47 (4): e366-e373.