

## CURRICULUM VITAE

Name Dr. Atthaporn Boongird  
Date of birth 1 January 1973  
Address : Neurosurgical unit, Department of surgery, Ramathibodi  
Hospital  
Home phone : (02)-2491499  
Cell phone : (05-8160555)  
Email : atthaporn\_bg@yahoo.com

### Education

### Institution

Primary school 1979-1985 Award	Bangkok Christian College A certificate for top student of the class in 1984
Secondary school 1985-1988 Award	Satit Patumwan School A certificate for first prize winner in national mathematic contest from The Mathematic Society of Thailand
College 1988-1990 Award:	Triam Udom Suksa School A certificate for first prize winner in quality control study of a scientific experiment, a national contest held by The Science Society of Thailand
University 1990-1996 Award	Chulalongkorn University, Chulalongkorn Hospital Second class honours MD.
Postgraduate training 1996-1997	Internship in Hatyai Hospital , one of the main medical centres in the south of Thailand
1997-2000 Award	Neurosurgical Residency in Ramathibodi Hospital and Medical School, Mahidol University Top of The National Neurosurgical Broad Examination
2000-2002	Research fellow in section of epilepsy, Department of neurology, Cleveland Clinic Foundation
2002-2003	Clinical scholar in functional neurosurgery, Section of Stereotactic and Functional neurosurgery, Cleveland Clinic Foundation, Ohio
2003-2005	Clinical scholar in Epilepsy surgery, Section of Epilepsy surgery, Department of neurosurgery, Cleveland Clinic Foundation, Ohio
Position:	Junior staff of section of neurosurgery, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand
International Examination	
	-USMLE step 1 score 79 in 1995 , passed
	-USMLE step 2 score 83 in 1996 , passed
	-ECFMG certification : valid indefinitely

## **Abstracted Publications**

### **(For American epilepsy society ,2001)**

- 1) Atthaporn Boongird, Takeharu Kuneida, Michael J. Zuschik, Imad M. Najm, Diane Perez, Hans O. Lüders In vivo spontaneous epileptogenicity in mice over-expressing the adrenergic alpha-1 receptor
- 2) Takeharu Kuneida, Imad M. Najm, Shinji Kondo, Atthaporn Boongird, Andrew Pan, Hans O. Lüders Epileptogenicity of in utero radiation-induced cortical dysplasia model in rats
- 3) Andrew Pan, Atthaporn Boongird, Takeharu Kuneida, Imad M. Najm, Hans O. Lüders The effects of bilateral continuous subthalamic nucleus stimulation in an animal model of acute seizures
- 4) Deepak K Lachhwani, Zhong Ying, Atthaporn Boongird, Elaine Wyllie, William E. Bingaman, Imad M. Najm, Hans O. Lüders Altered expression of NMDA receptor subunit proteins and glial glutamate transporter protein in a case of Rasmussen's encephalitis
- 5) Deepak K Lachhwani, Zhong Ying, Atthaporn Boongird, Elaine Wyllie, William E. Bingaman, Imad M. Najm, Hans O. Lüders Expression of NMDA receptor subtypes and Glutamate transporter proteins in human epileptogenic neoplastic tissue

### **(For American epilepsy society , 2002)**

- 1) Atthaporn Boongird, Andrew Pan , Candice Burrier, Kenneth B. Baker, Hiroshi Shigeto, Zhong Ying, Imad Najm , Hans O. Lüders
- 2) High frequency stimulation of the subthalamic nucleus prevents secondary generalization of acute kainic acid seizures in the rats
- 3) Hiroshi Shigeto, Imad Najm, Atthaporn Boongird, Dileep Nair, Candice Burrier, Hans O. Luder High-frequency direct cortical stimulation and its production of afterdischarges
- 4) Zhong Ying, Imad Najm, Shinichi Watanabe, Anna Leichter, Atthaporn Boongird, William Bingaman Cellular characterization of balloon cells in human cortical dysplasias

### **(For American epilepsy society ,2003)**

- 1) Hiroshi Shigeto, Atthaporn Boongird, Candice Burrier, Berit Jacobson, Christoph Kellinghaus, Zhong Ying, Imad Najm Focal freeze-induced cortical dysplasia is associated with postnatal neurogenesis and focal cell migration

### **(For Congress of Neurosurgical Surgeons , CNS meeting, 2003)**

- 1) Atthaporn Boongird, MD., Joshua M. Rosenow, MD., Ali R. Rezai, MD, Jaimie M. Henderson, MD. Recovery of pain control by intensive reprogramming after loss of benefit from motor cortex stimulation in neuropathic pain
- 2) Joshua M. Rosenow, MD., Atthaporn Boongird, MD., Jean Tkach, PhD., Micheal Phillips, MD., Ali R. Rezai, MD, Jaimie M. Henderson, MD. Image refinement for deep brain stimulation procedures

- 3) Joshua M. Rosenow, MD., Atthaporn Boongird, MD., Jean Tkach, PhD., Micheal Phillips, MD., Ali R. Rezai, MD, Jaimie M. Henderson, MD. Reduction of MRI artifact for deep brain stimulating electrodes

**(For American Association of Neurological Surgeons, AANS meeting, 2003)**

- 1) Atthaporn Boongird, MD., Nitin Tandon, MD., Ann Warbel, Joan Palmer, Elaine Wyllie, MD., William E. Bingaman, MD. Use of prophylactic CSF drainage to prevent post-operative complications associated with hemispherectomy
- 2) Nitin Tandon, MD., Ajay Gupta, MD., Atthaporn Boongird, MD., Ann Warbel, Elaine Wyllie, MD., William E. Bingaman, MD. Outcome following resection of cortical lesions in patients with Tuberous Sclerosis and focal epilepsy

**(For Congress of Neurosurgical Surgeons meeting, 2004)**

- 1) Atthaporn Boongird, MD., William E. Bingaman, MD., Robyn Busch, PhD., Cynthia Kubu, MD. Outcome study of surgical treatment of temporal lobe tumoral epilepsy

**(For American Epilepsy Society, 2004)**

- 1) Atthaporn Boongird, M.D., William E. Bingaman, M.D., Elaine Wyllie, M.D., Ajay Gupta, M.D., Prakash Kotagal, M.D. and Deepak Lachhwani, M.D. Surgical outcome of hemispherectomy for medically intractable epilepsy patients
- 2) Nitin Tandon, M.D., Atthaporn Boongird, M.D. and William E Bingaman, M.D. Superficial Cerebral Hemosiderosis - An epiphenomenon consequent to untreated hydrocephalus following hemispherectomy?

**(For American society of stereotactic and functional neurosurgeons, ASSFN, Cleveland, October 2004)**

- 1) Atthaporn Boongird, MD; Jaimie Henderson, MD; Kenneth Baker, PhD; Ali R. Rezai, MD; Hans Luders, MD, PhD; Susan Staugaitis, MD, PhD Post mortem anatomical analysis of the first deep brain stimulation for medically intractable epilepsy and Parkinson's disease: case report
- 2) Atthaporn Boongird, MD; Ken Baker, PhD; Joshua Rosenow, MD; Ali R. Rezai, MD; Jaimie Henderson, MD; Nicholas M Boulis, MD The correlation between micro/macroelectrode mapping and final target & optimal contact of DBS-STN surgery

**(For Congress of Neurosurgical Surgeons , CNS meeting, 2005)**

- 1) Atthaporn Boongird, MD., William E. Bingaman, M.D., Elaine Wyllie, M.D., Prakash Kotagal, M.D. 100 Hemispherectomies : lessons learned

**Paper & Book publications**

1. Takeharu Kunieda, Michael J. Zuschik, Atthaporn Boongird, Imad M. Najm, Diane Perez, Hans O. Lüders In vivo spontaneous epileptogenicity in mice over-expressing the adrenergic alpha-1 receptor , *Epilepsia* 2002 Nov;43(11):1324-9.

2. Yun J, Gaivin RJ, McCune DF, Boongird A, Papay RS, Ying Z, Gonzalez-Cabrera PJ, Najm I, Perez DM. Gene expression profile of neurodegeneration induced by  $\alpha$ 1B-adrenergic receptor overactivity: NMDA/GABA dysregulation and apoptosis. *Brain*. 2003 Aug 22
3. Andrew Pan, Atthaporn Boongird, Takeharu Kunieda, Imad M. Najm, Hans O. Lüders Focal Limbic seizures induced by kainic acid: effects of STN stimulation.
4. ; Chapter in *Deep Brain stimulation and epilepsy* (Luder et.) (Martin Dunitiz LTD, London, UK)
5. Rosenow J., Boongird A., Boulis N., Rezai A. Surgical technique for STN stimulation. ; Chapter in *Deep Brain stimulation and epilepsy* (Luder et.) (Martin Dunitiz LTD, London, UK)
6. Atthaporn Boongird, MD., William E. Bingaman, MD. Surgical treatment of temporal lobe tumoral epilepsy. ( *Neuroscience pathways*, Cleveland Clinic Foundation, spring 2004)
7. Jaimie Henderson, Atthaporn Boongird, Joshua Rosenow, Ali Rezai Recovery of pain control by intensive reprogramming after loss of benefit from motor cortex stimulation in neuropathic pain. ; *Stereotactic and functional neurosurgery*, Nov04

### **Oral presentations**

1. Atthaporn Boongird, MD., Joshua M. Rosenow, MD., Ali R. Rezai, MD, Jaimie M. Henderson, MD. Recovery of pain control by intensive reprogramming after loss of benefit from motor cortex stimulation in neuropathic pain (Pain section in *CNS 2003*, Denver, CO)(Oct, 2003)
2. Atthaporn Boongird, MD., Nitin Tandon, MD., Ann Warbel, Joan Palmer, Elaine Wyllie, MD., William E. Bingaman, MD. Use of prophylactic CSF drainage to prevent post-operative complications associated with hemispherectomy ( *Pediatric Section*, *AANS 2003*, Orlando, FL)(May, 2004)
3. CCF Neurosurgery grandround : Surgical outcome of intractable hemispheric epilepsy, Jan 07, 2005.
4. CCF Epilepsy Grand round : Surgical outcome of temporal lobe tumoral epilepsy, Jan 28, 2005.
5. CCF Epilepsy surgery course for resident and fellow : Hemispherectomy – surgical techniques, May 19, 2005.
6. Princess Chulaporn Epilepsy Congress 2005 : Hemispherectomy, 22 Oct 2005.
7. Pediatric Grand round, Ramathibodi hospital : Pediatrics Epilepsy Surgery , 14 Feb 2006.
8. Siriraj-Rama Conference, 60<sup>th</sup> King Anniversary : Movement disorder surgery, 20 April 2006 and Treatment of intracranial aneurysm, 21 April 2006

### **Acknowledgement**

1. Manuscript preparation for *Microelectrode Recording*, Thieme

## Awards

1. Third prize for Neuroscience's Resident day, Cleveland clinic foundation ,2002 : High frequency stimulation of the subthalamic nucleus prevents secondary generalization of acute kainic acid seizures in the rats
2. Second prize for oral poster, CNS meeting , 2003 Denver : Recovery of pain control by intensive reprogramming after loss of benefit from motor cortex stimulation in neuropathic pain

## Reviewer for publication for neurosurgery and journal of neurosurgery

1. Peduncular hallucinosis
2. Subdural grid in tumor patient
3. Operative nuace for temporal lobectomy

## Surgical experiences during training at Cleveland clinic foundation, Ohio

- Functional neurosurgery : about 80 cases of DBS-STN , Vim DBS for movement disorder , about 80 cases for spinal cord stimulation, intrathecal pump, motor cortex stimulation
- Faculty : Ali Rezai, MD. , Jaimie Henderson, MD., Nicholas Boulis, MD.
- Epilepsy surgery : about 250 cases for adult and pediatric epilepsy cases eg. about 100 cases for temporal lobe surgery : selective amygdalohippocampectomy, standard temporal lobectomy, 80 cases for extratemporal resection & invasive monitoring, 30 cases for functional or anatomical hemispherectomy, 40 cases for VNS

### **Faculty : William E. Bingaman, MD.**

- Spinal surgery : about 200 cases for spinal surgery and instrumentation
- Faculty : William E. Bingaman, MD.

## Fields of Interests

- Epilepsy surgery and Movement disorder surgery
- Brain mapping : invasive and non invasive
- academic teaching in neurosurgery&neurology&neuroscience
- neuromodulation and functional neurosurgery
- medical innovative and development of biomedical engineer education