

Associate Professor Jiraporn Laothamatas, M.D.

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Married: Professor Dr. Anek Laothamatas

Children 4: Kemarut, Katerut, Indira and Isara Laothamatas

Education:

- 1990: Fellowship in Neuroradiology, Hahnemann Hospital, Philadelphia , USA
- 1989: American Board in Diagnostic Radiology, Columbia University, New York, USA
- 1981: Medical Doctor: Chulalongkorn University, Bangkok, Thailand

Profession:

- 2011 up to present: Deputy Dean for Cooperate Communication, Faculty of Medicine Ramathibodi Hospital, Mahidol University
- 2010 up to present: Committee and secretary, Ramathibodi Foundation, Faculty of Medicine Ramathibodi hospital, Mahidol University
- 2004 up to present: Director, Advanced Diagnostic Imaging and Image-guided minimal Invasive Therapy Center (AIMC), Faculty of Medicine Ramathibodi hospital, Mahidol University
- 1992 up to present: Neuroradiologist, Dept. of Radiology, Faculty of Medicine Ramathibodi Hospital, Mahidol University
- 2012: President, Magnetic Resonance Club of Thailand (MCT)
- Scientific chair, AOCNR 2012 Bangkok, Thailand

Work experience related to electronic medical record:

- Director, Rama-Vista Electronic Health Record Project at Queen Sirikit Medical Center, 2010-2012
- Team leader, Radiology Information System (RIS) Project, AIMC, Ramathibodi Hospital, 2009-present
- Team leader, Picture Archiving and Communication System, AIMC, Ramathibodi Hospital, 2009-2012
- Invited speaker for Healthcare Innovation IT summit 2012
- Invited speaker for Innovations in Healthcare Management and informatics 2011 and 2012

Special Interest:

- Teaching and learning in advanced imaging field
- Advanced imaging in CNS Infectious disease
- Imaging Department design and management
- Open-source EMR development
- Innovations in imaging healthcare accessories

Researches and publications:

- Sungkarat, W., **Laothamatas, J.**, Lumlertdacha, B., Wacharapluesadee, S., and Hemachudha, T. (2012). Dog's Whole Brain Probabilistic Diffusion Tensor Imaging Tractography Normalization: A Solution for Brain Image Normalization Difficulty Problems. *Proc. Intl. Soc. Mag. Reson. Med.*, 20:3394.
- **Laothamatas, J.**, Sungkarat, W., Lumlertdacha, B., Wacharapluesadee, S., and Hemachudha, T. (2012). The Changes of FLAIR and DTI Images of the Brain and Upper Spinal Cord in Rabid Dogs: Voxel-based Group Comparisons. *Proc. Intl. Soc. Mag. Reson. Med.*, 20:3212.
- Tritanon, O., **Laothamatas, J.**, Wirojtananugoon, C., Sungkarat, W., Sukying, C., and Chansirikarnjana, S. (2012). White Matter Involvement in Mild Cognitive Impairment and Mild Alzheimer's Disease Using Whole-Brain Probabilistic Tractography Normalization. *Proc. Intl. Soc. Mag. Reson. Med.*, 20:979.
- Jongjirasiri S; Sritara C; Waeosak P; **Laothamatas J.** Normal data of left ventricular parameters in non-hypertensive patients using 320-slice cardiac CT: a study on intra- and interobserver variability. *J Med Assoc Thai* 94; 10530 (2011).

- Keerativittatayut, R., Kaewkamnerdpong, B., **Laothamatas, J.**, and Sungkarat, W. (2011). Mirror Neuron System Study on Elderly Using Dynamic Causal Modeling fMRI Analysis. *World Academy of Science, Engineering and Technology*, 58:522-526.
- Kwankaew, P. S., Sudsang, T., Sungkarat, W., and **Laothamatas, J.** (2011). Diffusion Tensor Imaging with Probabilistic Tractography of Cervical Spinal Cord in Cervical Spondylosis. *Proc. RSNA*, 2011.
- **Laothamatas J**, Sungkarat W, Hemachudha T. Neuroimaging in rabies. *Adv Virus Res* 2011; 79:309-27.
- Ratanakorn D; Keandoungchun J; Sittichanbuncha Y; **Laothamatas J**; Tegeler CH. Stroke fast track reduces time delay to neuroimaging and increases use of thrombolysis in an academic medical center in Thailand. *J Neuroimaging* 22, 53 (2010).
- **Laothamatas J**, Wacharapluesadee S, Lumlertdacha B, Ampawong S, Tepsumethanon V, Shuangshoti S, et al. Furious and paralytic rabies of canine origin: neuroimaging with virological and cytokine studies. *J Neurovirol.* 2008; 14:119-29.
- **Laothamatas J**, Hemachudha T, Mitrabhakdi E, Wannakrairot P, Tulayadaechanont S. MR imaging in human rabies. *AJNR Am J Neuroradiol.* 2003; 24(6):1102-9.
- Looareesuwan S, **Laothamatas J**, Brown TR, Brittenham GM. Cerebral malaria: a new way forward with magnetic resonance imaging (MRI). *Am J Trop Med Hyg* 2009; 81:545-7.
- Hongsakul K, **Laothamatas J**. Computer tomographic findings of the brain in HIV-patients at Ramathibodi Hospital. *J Med Assoc Thai.* 2008; 91:895-907.
- Suwonpanich P, **Laothamatas J**. Magnetic resonance venography in intracranial veno-occlusive disease. *J Med Assoc Thai.* 2007; 90:913-7.
- Laohawiriyakamol K, **Laothamatas J**, Chanyongvorakul E. Development of two oral contrast materials for CT evaluation of the esophagus. *J Med Assoc Thai.* 2007; 90: 903-12.
- Hemachudha T, **Laothamatas J**, Rupprecht CE. Human rabies: a disease of complex neuropathogenetic mechanisms and diagnostic challenges. *Lancet Neurol.* 2002; 1:101-9.
- Tuntiyatorn L, **Laothamatas J**. Acute Marchiafava-Bignami disease with callosal, cortical, and white matter involvement. *Emerg Radiol* 2008; 15:137-40.

Books:

- Chuncharunee A, **Laothamatas J**, Piyawiniwong S, Sangvichien S. Atlas of the Brain and Spinal Cord. 3th ed. Singapore: Elsevier; 2010.
- Chuncharunee A, Sangvichien S, **Laothamatas J**, Jongjirasiri S Atlas of Topography CT and MRI correlation. 1st ed. Bangkok: Supavanich Press; 2008.
- **Laothamatas J**, Mahanonda N, editors. *Multimodality Cardiac Imaging Manual*; 2007.
- Jongjirasiri S, Mahanonda N, **Laothamatas J**, editors. *CT cardiac imaging*; Bangkok: Supavanich Press; 2007.

Medical innovations

- a. **AIMC Breast Hook Wire**: Imaging-guided needle localization of breast lesion
 1. Applicant Name: Mahidol University
 2. Inventor (s): Assoc. Prof. Dr. Jiraporn Laothamatas, et al. (Dept. Radiology)
 3. Patent No. / Issued Date: 3344 / 2007-07-19
- b. **AIMC Esoph Paste** : Oral contrast media for Computerized Tomography of esophagus
 1. Applicant Name: Mahidol University
 2. Inventor (s): Assoc. Prof. Dr. Jiraporn Laothamatas, et al. (Dept. Radiology)
 3. Patent No. / Issued Date: 2483 / 2006-03-31
- c. **AIMC CT Tagging agent**: oral contrast media for Virtual CT colonoscopy
 1. Applicant name: Mahidol university
 2. Inventors: Assoc. Prof. Dr. Jiraporn Laothamatas, et al. (Dept. Radiology)
- d. **AIMC Colonoscopy Food Preparation**: Congee, soup and broth with different favors for bowel preparation for colonoscopy study
 1. Inventors: Assoc. Prof. Dr. Jiraporn Laothamatas, et al. (Dept. Radiology)