



CURRICULUM VITAE

NAME : Pattarapong Makarawate MD, FHRM

GENDER: Male

ADDRESS: Cardiology Unit, Department of Medicine,
Faculty of Medicine, Khon Kaen University,
Thailand, 40002 . Email : pattarapong@kku.ac.th

PRESENT POSITION : Assistant Professor, Faculty of Medicine,
Khon Kaen University, Thailand
Associate Director of Queen Sirikit Heart Center of
The Northeast, Khon Kaen University, Thailand

EDUCATION :

2001 MD (First Class Honor), Faculty of Medicine, Siriraj
Hospital , Mahidol University, Thailand

2005 Thai Board Certified in Internal Medicine

2007 MSc (clinical medicine), Faculty of Medicine ,
Chulalongkorn University, Thailand

2007 Thai Board Certified in Cardiology

2009 Certification for research fellowship in cardiology,
Wake Forest University School of Medicine,
North Carolina, USA

2013 Certified Electrophysiology Specialist- Adult Cardiology
(Physician) from International Board of Heart Rhythm
Examiners (IBHRE), USA. Certificate number 217408

2014 Certified Cardiac Device Specialist (Physician) from
International Board of Heart Rhythm Examiners (IBHRE)
, USA. Certificate number 217408

Fellowships and Honours :

2015 Fellow of Heart Rhythm Society (FHRS)

Professional Societies Membership:

Royal College of Physicians of Thailand

Thai Medical Association

Thai Heart Association

Thai Electrophysiology Club

Thai Resuscitation Council

European Society of Cardiology

Heart rhythm Society, USA

Publications:

1. **Makarawate P**, Chaosuwanakit N, Ruamcharoen Y, Panthongviriyakul A, Pongchaiyakul C, Tharaksa P, Sripro T, Sawanyawisuth K. Prevalence and associated factors of early repolarization pattern in healthy young northeastern Thai men : A correlation study with Brugada electrocardiography. *J Arrhythmia* 2015;31:215-220
2. Saelim B, **Makarawate P**. Effect of follow up of shoulder exercise program for rehabilitative post pace maker patients for a period of 3 months. *J Med Tech Phy Ther* 2015; 27(1):62-67
3. **Makarawate P**, Chaosuwanakit N, Vannaprasaht S, Tassaneeyakul W, Sawanyawisuth K. Outcomes of symptomatic Brugada syndrome patients with implanted cardioverter defibrillators: A report from an endemic area. *J Arrhythmia* 2014; 30:55-57
4. **Makarawate P**, Chaosuwanakit N, Vannaprasaht S, Tassaneeyakul W, Sawanyawisuth K. Clinical characteristics and treatment outcomes of Brugada Syndrome patients in the Northeastern Thailand. *Singapore Med J* 2014;55(4):217-220
5. Senthong V, Chindaprasert J, **Makarawate P**, Limpawattana P, Timinkul A, Domthong A, Chumjan S, Chotmongkol V, Aekphachaisawat N, Sawanyawisuth K. Continuous positive airway pressure therapy converted atrial fibrillation in a patient with obstructive sleep apnea. *J Arrhythmia* 2014;30:502-505

6. Chaosuwannakit N, **Makarawate P**, Kiatchoosakoon S, Wongvipaporn C, Kuptarnond C. Diagnostic Accuracy of Coronary Angiography in Patients after Coronary Bypass Surgery: Evaluation of Grafts and Native Coronary Arteries. *J Med Assoc Thai* 2014;97(2):211-9
7. Chaosuwannakit N, **Makarawate P**. Cardiac Magnetic Resonance Imaging for The Diagnosis of Endomyocardial Fibrosis. *Southeast Asian J Trop Med Public Health* 2014;45(5):1142-48
8. Sawanyawisuth K, Chindaprasirt J, Senthong V, **Makarawate P**, Limpawattana P, Domthong A, Silaruks S, Chumjan S. Lower BMI is a predictor of obstructive sleep apnea in elderly Thai hypertensive patients. *Sleep Breath* 2013;17(4):1215-19
9. **Makarawate P**, Chaosuwannakit N, Chindaprasirt J, Ungarreevittaya P, Chaiwiriyakul S, Wirasorn K, Kuptanond C, Sawanyawisuth K. Malignant Mesothelioma of the pericardium : a report of two different presentations. *Case rep Oncol Med*; 2013:356901
10. **Makarawate P**, Tianchetsada C, Sahasthas D, Wongvipaporn C. Clinical Outcomes of Post Cardiac Arrest Survival Patients Receiving Automatic Implantable Cardioverter Defibrillator(AICD) Implantation at Srinagarind Hospital and Queen Sirikit Heart Center of the Northeast Khon Kaen University. *Srinagarind Med J* 2013;28(2):214-9.
11. **Makarawate P**, Limpapanasit U, Wongvipaporn C. Clinical Outcomes of Cardiac Resynchronization in Patients with Advanced Heart Failure at Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand. *Srinagarind Med J* 2013;28(2):260-5.
12. **Makarawate P**, Chaosuwannakit N. Cancer therapy induced cardiotoxicity monitoring. *Asian Biomed* 2013;7(3):311-8
13. DOUNGCHALERMWONG P, **Makarawate P**, Kiatchoosakun S, Tatsanaviwat P. Short Term Effects of Right Ventricular Pacing on Right and Left Ventricular Function. *Thai Heart J* 2012;25:27-35
14. Chaosuwannakit N, **Makarawate P**. Prognostic Value of Right Ventricular Dysfunction and Pulmonary Obstruction Index by Computed Tomographic Pulmonary Angiography in Patients with Acute Pulmonary Embolism. *J Med Assoc Thai* 2012;95 (11):1457-65.

15. Chaosuwannakit N, Kiatchoosakun S, **Makarawate P**. Diagnostic Accuracy of 128-Row Multidetector Computed Tomography Coronary Angiography in the Diagnosis of Significant Coronary Artery Stenosis. *J Med Assoc Thai* 2012;95(12):1548-55.
16. Buranruk O, LG Steve, Ladawan S, **Makarawate P**, Suwanich T, Leelayuwat N. Thai Yoga as an Appropriate Alternative Physical Activity for Older Adults. *J Complement Integr Med* 2010;07:1553-8.
17. Vannaprasaht S, Angsutham S, Avihingsa Y, Sirivongs D, Pongsakul C, **Makarawate P**, et al. Impact of the Heterozygote TPMT*1/*3C Genotype on Azathiopine-Induced Myelosuppression in Kidney Transplant Recipients in Thailand. *Clin Ther* 2009;07:1524-33
18. **Makarawate P**, Sangwatanaroj S. Effect of High Glycemic Index Diets on ST Segment Elevation in Brugada Syndrome. *Asean Heart J* 2008;16:57-62

International Presentation:

1. Short Term Effects of RV pacing on RV and LV function. **Makarawate P**, DOUNGCHALERMWONG P, Kiatchoosakun S, The 6th Asia Pacific Congestive Heart Failure. February 3rd - 5th 2012. Chiang Mai, Thailand. (moderate poster presentation)
2. Ebstein's anomaly and LV non-compaction. Chaosuwannakit N, **Makarawate P**, The 6th Congress of Asian Society of Cardiovascular Imaging. June 7th - 9th 2012. Bangkok, Thailand. (poster presentation)
3. Endomyocardial fibrosis with rheumatic mitral stenosis. **Makarawate P**, Chaosuwannakit N, The 6th Congress of Asian Society of Cardiovascular Imaging. June 7th - 9th 2012. Bangkok, Thailand. (poster presentation)
4. Heart Rate Variability Responses to Exercise In Thai Brugada Syndrome Survivors. Channavirut R, **Makarawate P**, Leelayuwat N, The American Physiological Society. July 7th - 10th 2012. Omaha, Nebraska, USA. (poster presentation)
5. Computed tomographic pulmonary angiography and prognostic significance in patients with acute pulmonary embolism. Chaosuwannakit N, **Makarawate P**, The European Society of Cardiology (ESC) Congress 2012. August 25th - 29th 2012. Munich, Germany. (poster presentation)

6. The Common Sodium Channel Promoter Haplotype in Thai Symptomatic Brugada Syndrome Patients. **Makarawate P**, Chaosuwannakit N, Vannaprasaht S , Hwee KS, Edmund L, Tassaneeyakul W, The American Heart Association (AHA) Congress 2012. November 3rd-6th 2012. Los Angeles, California, USA. (Best Original Resuscitation Science Poster Session and Luncheon)
7. Heart Rate Variability Responses to Cold Stress In Thai Brugada Syndrome Survivors: A Pilot Study. Channavirut R, **Makarawate P**, Leelayuwat N. Canadian Cardiovascular Congress: The pulse of research and innovation Toronto 2012. October 27th-31st 2012. Toronto, Ontario, Canada .(poster presentation)
8. Effect of High Glycaemic Index diet On Heart Rate Variability in Thai Brugada Syndrome Survivors. Channavirut R, **Makarawate P**, Leelayuwat N. International Union of Physiological Society Congress. July 21st-26th 2013. Birmingham, United Kingdom. (poster presentation)
9. SCN5A (H558R) gene mutation is associated with appropriated shock therapy in Thai Brugada syndrome patients receiving AICD treatment. **Makarawate P**, Chaosuwannakit N, Vannaprasaht S, Sawanyawisuth K, Hwee KS, Edmund L, Tassaneeyakul W, The European Society of Cardiology (ESC) Congress 2013. August 31th – September 4th 2013. Amsterdam, Netherlands.(poster presentation)
10. The value of dual source multidetector computed tomography in determining pulmonary blood supply in patients with pulmonary atresia with ventricular septal defect. Chaosuwannakit N, **Makarawate P**, The European Society of Cardiology(ESC) Congress 2015. August 29th – September 2th 2015. London ,United Kingdom (poster presentation)