

## CURRICULUM VITAE AND BIBLIOGRAPHY FORMAT

**DATE of Birth:** July 17, 1979

**FULL NAME AND DEGREE/S:** Professor Paweena Susantitaphong, MD, Ph.D

### **CURRENT ADMINISTRATIVE TITLE**

Professor, Division of Nephrology, Department of Medicine, King Chulalongkorn Memorial Hospital, Chulalongkorn University, Thailand (H-INDEX 21, Citation 2185)

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### **EDUCATION**

Year of Degree	Degree	Institution
1996-2002	MD	Chulalongkorn University (First class honor, GPAX 3.89)
2003-2006	Higher Grad Dip	Khon Kaen University, Khon Kaen
2006-2008	MS	Chulalongkorn University (GPAX 3.79)
2012-2014	PhD	Chulalongkorn University (Biomedical Sciences)

### **POSTDOCTORAL TRAINING**

#### Internship and Residencies:

<i>Date</i>	<i>Specialty</i>	<i>Institutions</i>
2002-2006	Internal Medicine	Khon Kaen University, Khon Kaen, Thailand

#### Fellowships:

<i>Date</i>	<i>Specialty</i>	<i>Institutions</i>
2006-2008	Clinical Nephrology	Chulalongkorn University, Bangkok, Thailand
2009	Visiting Fellow	Nephrology Section, University Hospital Ghent, Gent, Belgium
2011-2012	Clinical Research in Nephrology	St. Elizabeth's Medical Center, Tufts University School of Medicine, Boston, MA

### **LICENSURE AND CERTIFICATION**

<i>Dates</i>	<i>Locations</i>	<i>State &amp; Certificate No.</i>
2008	Thai Board of Nephrology	
2006	Thai Board of Internal Medicine	

### **ACADEMIC APPOINTMENTS**

2009-2013	Instructor, Department of Medicine, Chulalongkorn University, Bangkok, Thailand
2011-2012	Research Associate, Department of Medicine, Tufts University School of Medicine, USA
2012-2015	Adjunct Instructor, Tufts University School of Medicine, USA
2013-2018	Associate Professor, Department of Medicine, Chulalongkorn University, Bangkok, Thailand
2015-present	Adjunct Associate Professor, Tufts University School of Medicine, USA
2019-present	Professor, Department of Medicine, Chulalongkorn University, Bangkok, Thailand

### **HOSPITAL APPOINTMENTS**

2009-present Staff Nephrologist, Division of Nephrology, Department of Medicine, Chulalongkorn University, Bangkok, Thailand

### **AWARDS AND HONORS**

2005	Best Research Award, Academic Annual Meeting 2005, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand
2006	Resident Research Award (2 <sup>nd</sup> Place), Royal College of Physicians of Thailand, Thailand
2007	Best Persons Award 2007, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand
2008	Best of Fellow Research Award, Royal College of Physicians of Thailand, Thailand

2009	Staff Research Award (2 <sup>nd</sup> Place), Nephrology Society of Thailand, Thailand
2010	Consolation Prize - Oral Presentation of Staff Research Award, Best Poster Award, Nephrology Society of Thailand, Thailand
2011-2012	International Society of Nephrology COMGAN Fellowship Award

### **PROFESSIONAL SOCIETIES**

2012-present	International Society of Nephrology
2011-present	American Society of Nephrology
2008-present	Nephrology Society of Thailand
2006-present	Royal College of Physicians of Thailand
2002-present	Medical Council of Thailand

### **NATIONAL COMMITTEE**

2020-present	Secretary, Fellowship training program, The Nephrology Society of Thailand
2020-present	Secretary, Anemia guideline, The Nephrology Society of Thailand
2018-present	Secretary, Hemodialysis Quality Committee, The Nephrology Society of Thailand
2018-2020	Research committee, The Nephrology Society of Thailand
2014-2020	Secretary, Hemodialysis nursing certification, The Nephrology Society of Thailand

### **INTERNATIONAL COMMITTEE**

2019-present	International Society of Nephrology, Oceania & South East Asia (OSEA); ISN-OSEA regional board
2019-2020	APSN DM guideline

### **MAJOR RESEARCH INTERESTS**

: Acute kidney injury including early detection; biomarkers of kidney injury; genetic polymorphisms; early treatment strategies; and dialysis support.

: Chronic kidney disease -Mineral bone disease

: Hemodialysis

: Systemic review and Meta-analysis

### **AD-HOC REVIEWER FOR SCIENTIFIC JOURNALS**

1. American Journal of Kidney Diseases
2. Nephrology, Dialysis, Transplantation
3. Nephrology
4. Therapeutic Apheresis and Dialysis
5. Renal Failure
6. Advances in Chronic Kidney Disease
7. BMC genomics
8. Kidney International
9. Endocrine
10. BMC nephrology
11. Medicine
12. BMC Medicine
13. Renal failure
14. Nephrology

### **INTERNATIONAL TEXTBOOK CHAPTERS**

1. Susantitaphong P, Dember LM, Jaber BL. Dialysis-Associated Amyloidosis. In. M.M. Picken et al. (eds.), Amyloid and Related Disorders: Surgical Pathology and Clinical Correlations, Current Clinical Pathology Springer Science+Business Media, LLC 2012: 69-80.

2. Susantitaphong P, Jaber BL. Acute complication in hemodialysis. In Himmelfarb J (eds.). Decision Support in Medicine 2012; <http://www.decisionsupportinmedicine.com>.

3. Susantitaphong P, Dember LM, Jaber BL. Dialysis-Associated Amyloidosis. In. M.M. Picken et al. (eds.), Amyloid and Related Disorders: Surgical Pathology and Clinical Correlations, Current Clinical Pathology Springer Science+Business Media, LLC 2015: 81-94.
4. Susantitaphong P, Jaber BL. Reuse dialyzer: In Allen R. Nissenson , Richard N.Fine (eds). Handbook of Dialysis Therapy. Elsevier 2017; 144-151

### **INTERNATIONAL ARTICLES**

1. Susantitaphong P, Jaber BL. Effect of Frequent or Extended Hemodialysis on Cardiovascular Parameters: A Meta-analysis: <http://www.hemodialysis.com>, 2012
2. Susantitaphong P, Eiam-Ong S. Reliability of Blood Pressure Parameters for Dry Weight Estimation in Hemodialysis Patients.: <http://www.hemodialysis.com>, 2013

### **INTERNATIONAL SPEAKERS**

- 1) Incremental Hemodialysis: Why and How 18th Asian Pacific Congress of Nephrology, Hong Kong June 20, 2020
- 2) Time on our side-retarding CKD progression: finding of a systematic review; Keto-Analogues in CKD webcast 2020.
- 3) CKD-MBD: Diagnosis accuracy of bone marker and bone histology in diabetic kidney disease patients. 8th CKD Frontier Meeting, Nagoya 2019
- 4) Benefit of supplemented VLPD: from global to local practice, IKS meeting, Soul, Korea 2019
- 5) Vascular calcification and vascular stiffness in CKD. ISN Frontiers Meeting, Tokyo, Japan 2018
- 6) KDIGO-CKD-MBD guideline, Malaysia 2017
- 7) How to retard the progression of renal disease? 33rd World Congress of Internal Medicine, Bali 2016
- 8) Treatment of hypertension in CKD patient. 33rd World Congress of Internal Medicine, Bali 2016
- 9) Evidence-based practice in nephrology: Meta-analysis. APSN Continuing Medical Education (CME) Course, Nagoya 2015
- 10) Results from the IMPACT Study. Renal Asian CKD-MBD Forum. Chengdu, Sichuan Province, China 2015

### **PUBLICATIONS**

#### **PEER-REVIEWED ARTICLES**

1. **Susantitaphong P**, Tiranathanagul K, Hanwiwatwong O, Homsin U, Wittayalertpanya S, Khemsri W, Praditpornsilpa K, Eiam-ong S. A simple efficient technique of “mid-dilution” on- line hemodiafiltration. Blood Purif 2009; 28: 93-101
2. **Susantitaphong P**, Tiranathanagul K, Eiam-ong S. Mid-dilution on-line hemodiafiltration: Technology and efficiency outcome. Asian Biomed 2009; 3: 237-44.
3. Chongthanakorn K, Tiranathanagul K, **Susantitaphong P**, Praditpornsilpa K, Eiam-ong S. Effective determination of dry weight by intradialytic bioimpedence analysis in hemodialysis. Blood Purif 2009; 27: 235-41
4. Tiranathanagul K, Praditpornsilpa K, Katavetin P, Srisawat N, Townamchai N, **Susantitaphong P**, Tungsanga K, Eiam-ong S. On-line hemodiafiltration in Southeast Asia: A three-year prospective study of single center. Ther Apher Dial 2009; 13: 56-62
5. Boonsrirat U, Tiranathanagul K, Srisawat N, **Susantitaphong P**, Komolmit P, Praditpornsilpa K, Tungsanga K, Eiam-ong S. Effective bilirubin reduction by single-pass albumin dialysis (SPAD) in liver failure. Artif Organs 2009; 33:648-53.
6. Avihingsanon Y, Townamchai N, Nivatvongs S, Ratchanon S, Praditpornsilpa K, Tiranathanagul K, **Susantitaphong P**, et al. Living-donor kidney transplantation across ABO barriers: the first case in Thailand. Asian Biomed 2009; 3: 525-9

7. **Susantitaphong P**, Tiranathanagul K, Katavetin P, Townamchai N, Praditpornsilpa K, Eiam-ong S. Efficacy of convective –controlled double high flux hemodiafiltration versus on-line hemodiafiltration : 1 year prospective study. *Blood Purif* 2010; 29:35-43
8. Tanisaro T, Tantawichien T, Tiranathanagul K, **Susantitaphong P**, Chirananthavat T, Praditpornsilpa K, Sitprija V, Eiam-Ong S. Neutralizing antibody response after intradermal rabies vaccination in hemodialysis Patients. *Vaccine* 2010; 28: 2385-7
9. Katavetin P, Katavetin P, **Susantitaphong P**, Townamchai N, Tiranathanagul K, Tungsanga K, Eiam-Ong S. Urinary type IV collagen excretion predicts subsequent declining renal function in type 2 diabetic patients with proteinuria. *Diabetes Res Clin Pract.* 2010 Aug; 89(2):e33-5.
10. Praditpornsilpa K, Tiranathanagul K, Kupatawintu P, Jootar S, Intragumtornchai T, Tungsanga K, Teerapornlertratt T, Lumlertkul D, Townamchai N, **Susantitaphong P**, Katavetin P, Kanjanabuch T, Avihingsanon Y, Eiam-Ong S. Biosimilar recombinant human erythropoietin induces the production of neutralizing antibodies. *Kidney Int.* 2011; Jul : 80(1):88-92
11. Praditpornsilpa K, Townamchai N, Chaiwatanarat T, Tiranathanagul K, Katavetin P, **Susantitaphong P**, Trakarnvanich T, Kanjanabuch T, Avihingsanon Y, Tungsanga K, Eiam-Ong S. The need for robust validation for MDRD-based glomerular filtration rate estimation in various CKD populations. *Nephrol Dial Transplant.* 2011; Sep :26(9): 2780-5
12. Praditpornsilpa K, Tiranathanagul K, **Susantitaphong P**, Katavetin P, Trakarnvanich T, Townamchai N, Kanjanabuch T, Avihingsanon Y, Tungsanga K, Eiam-Ong S. Effects of Different Levels of Endotoxin Contamination on Inflammatory Cytokine Production by Peripheral Blood Mononuclear Cells after High-Flux Hemodialysis. *Blood Purif.* 2011 Mar 30;32(2):112-116.
13. Tiranathanagul K, **Susantitaphong P**, Towannang P, Injan P, Praditpornsilpa K, Eiam-Ong S. Measurement of vascular access flow by online clearance monitor in online hemodiafiltration. *Blood Purif.* 2011;32(3):195-201
14. **Susantitaphong P**, Tiranathanagul K, Srisawat N, Katavetin P, Praditpornsilpa K, Eiam-Ong S. Efficacy of separated system continuous venovenous hemofiltration in critical acute kidney injury. *Ther Apher Dial.* 2011 Oct; 15(5):475-80.
15. **Susantitaphong P**, Alfayez M, Cohen-Bucay A, Balk EM, Jaber BL. Therapeutic hypothermia and prevention of acute kidney injury: a meta-analysis of randomized controlled trials. *Resuscitation.* 2012 Feb;83(2):159-67.
16. Tiranathanagul K, Jearnsujitwimol O, **Susantitaphong P**, Kijkriengkraikul N, Leelahavanichkul A, Srisawat N, Praditpornsilpa K, Eiam-Ong S. Regional citrate anticoagulation reduces polymorphonuclear cell degranulation in critically ill patients treated with continuous venovenous hemofiltration. *Ther Apher Dial.* 2011 Dec;15(6):556-64
17. **Susantitaphong P**, Jaber BL. Potential interaction between sevelamer and fat-soluble vitamins: a hypothesis. *Am J Kidney Dis.* 2012 Feb;59(2):165-7
18. **Susantitaphong P**, Koulouridis I, Balk EM, Madias NE, Jaber BL. Effect of frequent or extended hemodialysis on cardiovascular parameters: a meta-analysis. *Am J Kidney Dis.* 2012 May;59(5):689-99
19. **Susantitaphong P**, Altamimi S, Ashkar M, Balk EM, Stel VS, Wright S, Jaber BL. GFR at initiation of dialysis and mortality in CKD: a meta-analysis. *Am J Kidney Dis.* 2012 Jun; 59(6):829-40.
20. **Susantitaphong P**, Tiranathanagul K, Eiam-Ong S. Extended high cutoff on-line hemodiafiltration is superior to extended high cutoff hemodialysis in removal of free light chain immunoglobulin of myeloma cast nephropathy. *Artif Organs.* 2012 Sep;36(9):845-6
21. **Susantitaphong P**, Sewaralthahab K, Balk EM, Jaber BL, Madias NE. Short- and long-term effects of alkali therapy in chronic kidney disease: a systematic review. *Am J Nephrol.* 2012; 35(6):540-7.
22. **Susantitaphong P**, Tiranathanagul K, Katavetin P, Hanwiwatwong O, Wittayalertpanya S, Praditpornsilpa K, Tungsanga K, Eiam-Ong S. Efficacy Comparison Between Simple Mixed-Dilution and Simple Mid-Dilution On-

Line Hemodiafiltration Techniques: A Crossover Study. *Artif Organs*. 2012; Aug 10. doi: 10.1111/j.1525-1594.2012.01508.x. [Epub ahead of print]

23. Tiranathanagul K, **Susantitaphong P**, Keomany C, Mahatanan N, Praditpornsilpa K, Eiam-Ong S. Long-term efficacy of pre- and post-dilution online hemodiafiltration with dialyzer reuse. *J Med Assoc Thai*. 2012 May; 95(5):650-6.
24. Townamchai N, Praditpornsilpa K, Chawatanarat T, Avihingsanon Y, Tiranathanagul K, Katavetin P, **Susantitaphong P**, Kanjanabuch T, Tungsanga K, Eiam-Ong S. The validation of estimated glomerular filtration rate (eGFR) equation for renal transplant recipients. *Clin Nephrol*. 2012; Oct 16. [Epub ahead of print]
25. **Susantitaphong P**, Laowaloet S, Tiranathanagul K, Chulakadabba A, Katavetin P, Praditpornsilpa K, Tungsanga K, Eiam-Ong S. Reliability of Blood Pressure Parameters for Dry Weight Estimation in Hemodialysis Patients. *Ther Apher Dial* 2013; 17(1):9-15.
26. **Susantitaphong P**, Sewaralthahab K, Balk EM, Eiam-ong S, Madias NE, Jaber BL. Efficacy and Safety of Combined vs. Single Renin Angiotensin Aldosterone System Blockade in Chronic Kidney Disease: A Meta-analysis. *Am J Hypertension* 2013; 26(3):424-41.
27. **Susantitaphong P**, Riella C, Jaber BL. Effect of Ultrapure Dialysate on Markers of Inflammation, Oxidative Stress, and Nutrition, and Anemia Parameters: A Meta-Analysis. *Nephrol Dial Transplant* 2013; 28(2):438-46.
28. **Susantitaphong P**, Siribamrungwong M, Doi K, Noiri, E, Terrin N, Jaber BL. Performance of Urinary Liver-Type Fatty Acid Binding Protein in Acute Kidney Injury: A Systematic Review. *Am J Kidney Dis* 2013; 61(3): 430-9.
29. **Susantitaphong P**, Perianayagam MC, Kang SW, Zhang W, Rao F, O'Connor DT, Jaber BL. Association of Functional Kallikrein-1 Promoter Polymorphisms and Acute Kidney Injury: A Case-Control and Longitudinal Cohort Study. *Nephron Clin Pract*. 2013 Apr 25; 122(3-4):107-113. [Epub ahead of print]
30. **Susantitaphong P**, Perianayagam MC, Tighiouart H, Kouznetsov D, Liangos O, Jaber BL. Urinary  $\alpha$ - and  $\pi$ -glutathione s-transferases for early detection of acute kidney injury following cardiopulmonary bypass. *Biomarkers*. 2013 Apr 18. [Epub ahead of print]
31. Alqahtani F, Koulouridis I, **Susantitaphong P**, Dahal K, Jaber BL. A meta-analysis of continuous vs intermittent infusion of loop diuretics in hospitalized patients. *J Crit Care*. 2013 May 14. doi:pil: S0883-9441(13)00076-2. 10.1016/j.jcrc.2013.03.015. [Epub ahead of print]
32. **Susantitaphong P**, Cruz, DC, Cerda J, Abulfaraj M, Alqahtani F, Koulouridis I, Jaber BL, for the Acute Kidney Injury Advisory Group of the American Society of Nephrology. World Incidence of AKI: A Meta-Analysis. *Clin J Am Soc Nephrol* 2013 June 6. [Epub ahead of print]
33. **Susantitaphong P**, Perianayagam MC, Tighiouart H, Liangos O, Bonventre JV, Jaber BL. Tumor Necrosis Factor Alpha Promoter Polymorphism and Severity of Acute Kidney Injury. *Nephron Clin Pract* 2013 June 21, 123 (1-2): 67-73
34. Tiranathanagul K, Amornsuntorn S, Avihingsanon Y, Srisawat N, **Susantitaphong P**, Praditpornsilpa K, Tungsanga K, Eiam-Ong S. Potential role of neutrophil gelatinase-associated lipocalin in identifying critically ill patients with acute kidney injury stage 2-3 who subsequently require renal replacement therapy. *Ther Apher Dial*. 2013 Jun;17(3):332-8
35. **Susantitaphong P**, Siribamrungwong M, Jaber BL. Convective Therapies vs. Low-Flux Hemodialysis for Chronic Kidney Failure: A Meta-Analysis of Randomized Controlled Trials. *Nephrol Dial Transplant*. 2013 Nov;28(11):2859-74
36. Chancharoentana W, Tiranathanagul K, Srisawat N, **Susantitaphong P**, Leelahavanichkul A, Praditpornsilpa K, Tungsanga K, Eiam-Ong S. Enhanced vascular endothelial growth factor and inflammatory cytokine removal

- with online hemodiafiltration over high-flux hemodialysis in sepsis-related acute kidney injury patients. *Ther Apher Dial.* 2013 Oct;17(5):557-63
37. **Susantitaphong P**, Alqahtani F, Jaber BL. Efficacy and Safety of Intravenous Iron Therapy for Functional Iron Deficiency Anemia in Hemodialysis Patients: A Meta-analysis. *Am J Nephrol.* 2014 Feb 7; 39(2):130-141
38. **Susantitaphong P**, Eiam-ong S. Nonpharmacological Strategies to Prevent Contrast-Induced Acute Kidney Injury. *Biomed Res Int.* 2014; 2014: 463608. Epub 2014 Mar 26.
39. **Susantitaphong P**, Jaber BL. Understanding Discordant Meta-analyses of Convective Dialytic Therapies for Chronic Kidney Failure. *Am J Kidney Dis* 2014 Jun ;63(6):888-91
40. **Susantitaphong P**, Tiranathanagul K, Katavetin P, Praditpornsilpa K, De Broe ME, D'Haese PC, Eiam-Ong S. Effect of Aluminum on Bone Markers in Chronic Hemodialysis Patients. *Asian Biomedicine Vol. 8 No. 4 August 2014:* 485-492
41. Tiranathanagul K, Tangvoraphonkchai K, Srisawat N, **Susantitaphong P**, Tungsanga K, Praditpornsilpa K, Eiam-Ong S. Acute Intradialytic Cardiac Function and Inflammatory Cytokine Changes During High-Efficiency Online Hemodiafiltration With Acetate-Free and Standard Dialysis Solutions. *Ther Apher Dial.* 2015 Jun;19(3): 250-8
42. Mehta RL, Cerdá J, Burdmann EA, Tonelli M, García-García G, Jha V, **Susantitaphong P**, Rocco M, Vanholder R, Sever MS, Cruz D, Jaber B, Lameire NH, Lombardi R, Lewington A, Feehally J, Finkelstein F, Levin N, Pannu N, Thomas B, Aronoff-Spencer E, Remuzzi G. Acute Kidney Injury: The Burden of Disease. *Lancet.* 2015 Jun 27;385(9987):2616-43
43. Thamcharoen N, **Susantitaphong P**, Tantrachoti P, Pitukweerakul S, Kittipibul V, Wongrakpanich S, Praditpornsilpa K. Eiam-Ong S. Effect of N-type Calcium channel blocker on proteinuria, blood pressure and kidney function in hypertensive patients with proteinuria: A Meta-Analysis of Randomized Controlled Trials. *Hypertens Res.* 2015 Dec;38(12):847-55
44. Praditpornsilpa K, Kingwatanakul P, Deekajorndej T, Rianthavorn P, **Susantitaphong P**, Katavetin P, Tiranathanagul K, Srisawat N, Tungsanga K, Eiam-Ong S, Townamchai N. Immunogenicity and safety of quadrivalent human papillomavirus types 6/11/16/18 recombinant vaccine in chronic kidney disease stage IV, V and VD. *Nephrol Dial Transplant.* 2016 Feb 29. pii: gfv444. [Epub ahead of print]
45. Thamratnopkoon S, **Susantitaphong P**, Tumkosit M, Katavetin P, Tiranathanagul K, Praditpornsilpa K, Eiam-Ong S. Correlations of Plasma Desphosphorylated Uncarboxylated Matrix Gla Protein with Vascular Calcification and Vascular Stiffness in Chronic Kidney Disease. *Nephron.* 2017;135(3):167-172. doi: 10.1159/000453368. Epub 2016 Dec 13.
46. **Susantitaphong P**, Nakwan S, Peerapornratana S, Tiranathanagul K, Katavetin P, Srisawat N, Praditpornsilpa K, Eiam-Ong S. A double-blind, randomized, placebo-controlled trial of combined calcitriol and ergocalciferol versus ergocalciferol alone in chronic kidney disease with proteinuria. *BMC Nephrol.* 2017 Jan 14;18(1):19. doi: 10.1186/s12882-017-0436-6.
47. Wongrakpanich S, **Susantitaphong P**, Isaranuwatthai S, Chenbhanich J, Eiam-Ong S, Jaber BL. Dialysis Therapy and Conservative Management of Advanced Chronic Kidney Disease in the Elderly: A Systematic Review. *Nephron.* 2017 May 25. doi: 10.1159/000477361. [Epub ahead of print]
48. Upadhyay A, **Susantitaphong P**, Jaber BL. Ultrapure versus standard dialysate: A cost-benefit analysis. *Semin Dial.* 2017 Jun 13. doi: 10.1111/sdi.12618. [Epub ahead of print]
49. Srisawat N, Laoveeravat P, Limphunudom P, Lumlertgul N, Peerapornratana S, Tiranathanagul K, **Susantitaphong P**, Praditpornsilpa K, Tungsanga K, Eiam-Ong S. The effect of early renal replacement therapy

guided by plasma neutrophil gelatinase associated lipocalin on outcome of acute kidney injury: A feasibility study. *J Crit Care.* 2017 Aug 18;43:36-41. doi: 10.1016/j.jcrc.2017.08.029

50. Greeviroj P, Kitrunghaiboon T, Katavetin P, Praditpornsilpa K, Eiam-Ong S, Jaber BL **Susantitaphong P**. Cinacalcet for Treatment of Chronic Kidney Disease–Mineral and Bone Disorder: A Meta-analysis of Randomized Controlled Trials. *Nephron.* 2018 Mar 7. doi: 10.1159/000487546. [Epub ahead of print]

51. Saengpanit D, Siribumrungwong M, **Susantitaphong P**, Katavetin P, Eiam-Ong S, Tungsanga K, Sitprija Visith, Praditpornsilpa K Effect of Sodium Thiosulfate on Arterial Stiffness in End-Stage Renal Disease Patients Undergoing Chronic Hemodialysis: A Randomized Controlled Trial. *Nephron.* 2018 Mar 23. doi: 10.1159/000488009. [Epub ahead of print]

52. Tiranathanagul K, **Susantitaphong P**, Srisawat N, Mahatanan N, Tungsanga K, Praditpornsilpa K, Eiam-Ong S. Ten-Year Survival of End-Stage Renal Disease Patients Treated with High-Efficiency Online Hemodiafiltration: A Cohort Study of a Center in South East Asia. *Nephron.* 2018;139(2):150-158. doi: 10.1159/000487364. Epub 2018 Mar 7

53. Wongjarupong N, Assavapongpaiboon B, **Susantitaphong P**, Cheungpasitporn W, Treeprasertsuk S, Rerknimitr R, Chaiteerakij R. Non-alcoholic fatty liver disease as a risk factor for cholangiocarcinoma: a systematic review and meta-analysis. *BMC Gastroenterol.* 2017 Dec 8;17(1):149. doi: 10.1186/s12876-017-0696-4.

54. Srisawat N, Laoveeravat P, Limphunudom P, Lumlertgul N, Peerapornratana S, Tiranathanagul K, **Susantitaphong P**, Praditpornsilpa K, Tungsanga K, Eiam-Ong S. The effect of early renal replacement therapy guided by plasma neutrophil gelatinase associated lipocalin on outcome of acute kidney injury: A feasibility study. *J Crit Care.* 2018 Feb;43:36-41. doi: 10.1016/j.jcrc.2017.08.029. Epub 2017 Aug 18.

55. Kittiskulnam P, Thokanit NS, Katavetin P, **Susantitaphong P**, Srisawat N, Praditpornsilpa K, Tungsanga K, Eiam-Ong S. The magnitude of obesity and metabolic syndrome among diabetic chronic kidney disease population: A nationwide study. *PLoS One.* 2018 May 9;13(5):e0196332. doi: 10.1371/journal.pone.0196332. eCollection 2018.

56. Secondary Oxalate Nephropathy: A Systematic Review. Lumlertgul N, Siribamrungwong M, Jaber BL, **Susantitaphong P**. *Kidney Int Rep.* 2018 Jul 29;3(6):1363-1372

57. The Authors Reply. Lumlertgul N, Siribumrungwong M, Jaber BL, **Susantitaphong P**. *Kidney Int Rep.* 2018 Oct 26;4(1):185-186

58. Pongpanich P, Pitakpaiboonkul P, Praditpornsilpa K, Eiam-Ong S, **Susantitaphong P**. The Benefit of Combined Calcium Channel blockers with Angiotensin Converting Enzyme Inhibitors or Angiotensin II Receptor Blockers on Renal Outcomes in Hypertensive Patients : A Meta-analysis. *Int Urol Nephrol.* 2018 Dec;50(12):2261-2278

59. Rattanachaisit P, Susantitaphong P, Thanapirom K, Chaiteerakij R, Komolmit P, Pisit Tangkijvanich P, et al. Statin use and histopathological change in patients with non-alcoholic fatty liver disease: a systematic review and meta-analysis. *Asian Biomed (Res Rev News)* 2018; 12(1):3–13

60. Udomkarnjananun S, **Susantitaphong P**, Eiam-Ong S, Praditpornsilpa K. Treatment of Calciphylaxis in CKD: A Systematic Review and Meta-Analysis. *Kidney Int Rep.* 2018 (In press).

61. Tarapan T, Musikatavorn K, Phairatwet P, Takkavatakarn K, **Susantitaphong P**, Eiam-Ong S, Tiranathanagul K. High sensitivity Troponin-I levels in asymptomatic hemodialysis patients. *Ren Fail.* 2019 Nov;41(1):393-400

62. **Susantitaphong P**, Eiam-Ong S, Praditpornsilpa K. The effect of Cinacalcet on Severe Hyperparathyroidism. A Randomized controlled trial. *Renal Failure* 2019 Nov;41(1):326-333

63. Laowalert S, Khotavivattana T, Wattanachanya L, Luangjarmekorn P, Udomkarnjananun S, Katavetin P, Eiam-Ong S, Praditpornsilpa K, **Susantitaphong P**. Bone turnover markers predict type of bone histomorphometry and bone mineral density in Asian chronic haemodialysis patients. *Nephrology (Carlton).* 2020 Feb;25(2):163-171.



64. Thammathiwat T, Tiranathanagul K, Srisawat N, **Susantitaphong P**, Praditpornsilpa K, Eiam-Ong S. Clinical and Subclinical Acute Kidney Injury in Multidrug-resistant Septic Patients Treated with Colistimethate Sodium: Incidence and Clinical Outcomes. *Nephrology (Carlton)*. 2020 Jan;25(1):32-39
65. Tarapan T, Musikatavorn K, Phairatwet P, Takkavatakarn K, **Susantitaphong P**, Eiam-Ong S, Tiranathanagul K. High sensitivity Troponin-I levels in asymptomatic hemodialysis patients. *Ren Fail*. 2019 Nov;41(1):393-400. doi: 10.1080/0886022X.2019.1603110.
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44. **Susantitaphong P** Calcium and phosphorus control in chronic hemodialysis. Hemodialysis for clinical practice. Health work plus printing, 2018: 173-188
45. **Susantitaphong P**, Drug used in bone metabolism: how the medication work and drug administration. Thai nephrology nursed society. Bangkok Vedchasan printing, 2018;121-133
46. **Susantitaphong P**, Takkavatakarn K. Chronic kidney disease-mineral and bone disorder (CKD-MBD) in elderly. In: Praditpornsilpa K. editor: Geriatrics Medicine. Bangkok: Chulalongkorn University Printing House Publication, 2018: 673-702

### **INVITED SPEAKER**

1. Calcium channel blockers and renal protection: INSIGHT from the latest clinical trial. Evolving trends in medicine. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2008.
2. Acute kidney injury and dialysis. Advanced Critical and Emergency Care Nursing. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2008.
3. Case discussion “Simplifying the management of hyperphosphataemia”. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2009.
4. Management of acute renal failure in critically ill patients. Advanced Critical and Emergency Care Nursing. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2009.
5. Acute kidney injury. Practical nephrology for internists. Siam City Hotel, Bangkok, Thailand 2009.
6. Electrolyte imbalance in critically ill patients. Critical Care Nephrology and Dialysis 2009. Bhumipol Hospital, Bangkok, Thailand 2009.
7. Renal disease and Stone. Faculty of Allied Health Sciences, Chulalongkorn University , Bangkok, Thailand 2009.
8. Concept and controversy in acute kidney injury management. Practical Medicine: Concept and Controversy. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2009.
9. Hemodiafiltration (HDF). Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand 2009.
10. Uremic toxins. Centara Hotel, Bangkok, Thailand 2009.
11. Renal failure and surgery. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2009
12. The usage of calcium channel blockers in renal disease. Nakhon Ratchasima, Thailand 2010
13. Acute renal failure. State of the art: From evidence-based to practice in cardio-renal management. Pullman Hotel, Bangkok, Thailand 2010
14. Workshop: Double high-flux HDF and mid-dilution on-line HDF. Dialysis Weekend “Quality Dialysis in the Year 2010”. Ambassador City Jomtien Hotel, Pattaya, Chonburi, Thailand , 2010.



15. Update in treatment of acute kidney injury. Mandarin Hotel, Bangkok, Thailand 2010.
16. Uremic toxins in chronic kidney disease. The Royal Golden Jubilee Building, Bangkok, Thailand 2010.
17. Phosphate-binder in chronic kidney disease. Chulalongkorn Memorial Hospital, Thailand 2010
18. Renal Failure in Elderly. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
19. Critical Care Nephrology. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
20. Renal disease and Stone. Faculty of Allied Health Sciences, Chulalongkorn University , Bangkok, Thailand 2010.
21. Acute Kidney Injury and Dialysis. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
22. Fluid& Electrolyte. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
23. Continuous renal replacement therapy. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
24. Anatomy & Physiology of Renal System. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
25. Laboratory investigation in renal disease. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
26. History taking of renal disease. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
27. Clinical judgment in renal disease. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
28. Pathophysiology of CKD (bone, Ca, P, Acid-base). Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
29. Overview of HD. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
30. Maximizing medical-care efficiency of AKI : Cardiorenal syndrome . Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
31. Workshop: Electrolyte imbalance. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
32. Uremic toxins and vascular calcification. Tawanna Hotel, Bangkok, Thailand 2010.
33. Renal replacement therapy. Pullman Hotel, Bangkok, Thailand 2010.
34. Debate: The best treatment of AKI. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
35. Workshop: Mixed-dilution and Mid-dilution OL-HDF. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
36. New Era of CKD-MBD management. Shanghai, China, 2010
37. NGAL: A promising Marker for AKI (Acute kidney injury). Pamongkut hospital. Bangkok,Thailand 2010.
38. Insight of CKD-MBD: Pathophysiology and Phosphate Metabolism, Hua Hin, Thailand 2013
39. Essential Evidence based-Medicine for Nephrologist, Siriraj Hospital, Bangkok, Thailand 2013
40. From hypertension to CKD: Vascular calcification and CV risk. Langham Place Hotel, Hong Kong, 2013
41. Current Status and Issues of CKD-MBD Management in Thailand , Conrad Hotel, Hong Kong 2013
42. Acute Hemodialysis and CRRT in AKI, Phetcharut Garden Hotel, Roi Et, Thailand 2013
43. Workshop: Hemodialysis procedures, On-line hemodiafiltration, double filter , Phetcharut Garden Hotel ,

44. Metabolic Consequences and Nutrition Management in Kidney Diseases, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2013
45. Renal stone, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2013
46. When to Initiate RRT in Asia?, 7th Meeting of the Asian Forum of CKD initiative, Pattaya, Thailand 2013
47. Phosphate binders in CKD : where do we stand?, 7th Meeting of the Asian Forum of CKD initiative, 7<sup>th</sup> AFCKDI, Pattaya, Thailand 2013
48. Renal osteodystrophy, Pattaya, Thailand 2013
49. New insight in CKD-MBD: how to improve patient outcomes, Mettapracharuk Hospital, Nakornpathom, Thailand 2013
50. Fluid and electrolyte, Chulalongkorn University, Bangkok, Thailand 2013
51. Update of Electrolyte Disorder : New Evidence That Will Impact Your Practice, Chulalongkorn University, Bangkok, Thailand 2013
52. Hyponatremia and Hyponatremia. Department of Medicine, Phramongkutklo Hospital, Thailand 2013.
53. Updated clinical trial in CKD ,Bangkok, Thailand, 2013
54. Updated clinical trial in HD, Bangkok, Thailand, 2013
55. Updated knowledge in CKD, Chulalongkorn University, Bangkok, Thailand 2014
56. Management of mineral and bone disorders: What the current evidences tell us? Current guidelines, Pattaya, Thailand 2014
57. Global New Guideline and the treatment for Hypertension in Clinical Practice, Bumrungrad Hospital, Bangkok, Thailand 2014
58. Update Management of Hypertension in Renal disease, Chulalongkorn University, Bangkok, Thailand 2014
59. Role of Novel phosphate binders in optimizing adherence and effectiveness of phosphate management, Chiang Mai, Thailand ,2014
60. Efficacy, Safety and other benefits of Fosrenol versus Sevelamer based on Updated Clinical Studies, Bangkok, Thailand, 2014
61. Efficacy, Safety and other benefits of Phosphate binders based on Updated Clinical Studies, Bangkok, Thailand, 2014
62. Role of Novel phosphate binders in optimizing adherence and effectiveness of phosphate management, Bhumi Rajanagarindra Kidney Institute, Bangkok, 2014
63. Fluid and electrolyte, Chulalongkorn University, Bangkok, Thailand 2014
64. Hemodialysis adequacy, Pullman Hotel, Bangkok, Thailand 2014
65. Management of anemia in CKD, Bangkok, Thailand 2014
66. Essential Evidence based-Medicine for Nephrologist, Siriraj Hospital, Bangkok, Thailand 2014
67. Systematic review and meta-analysis, Siriraj Hospital, Bangkok, Thailand 2014
68. How to Reduce Cardiovascular Mortality in CKD patients, Chiang Mai, Thailand 2014
69. Hybrid therapy and on-line hemodiafiltration, Chiang Mai, Thailand 2014
70. Update on hemodialysis practice, Centera Hotel, Khon Kaen, Thailand 2014
  
71. Current updated CKD-MBD, Chulalongkorn University, Bangkok, Thailand 2014
72. Management of CKD-MBD: What the current evidences tell us?, VIE Hotel , Bangkok, Thailand 2014
73. Anemia and PRCA, Pullman Hotel, Thailand 2014
74. Management of CKD-MBD, Intercontinental Hotel, Thailand 2014.
75. Low flux, high flux, on-line hemodiafiltration, Bhumi Rajanagarindra Kidney Institute, Bangkok, 2015
76. Quality of hemodialysis (KPI) Bhumi Rajanagarindra Kidney Institute, Bangkok, 2015
77. CKD-MBD KDIGO guideline practice: the effect of phosphate binders on vascular calcification. Vajira hospital, Bangkok 2015
78. Quality Improvement of Anemia Improvement. Dialysis Review for Nurse, Prince Palace Hotel

79. Fluid and electrolyte. King Chulalongkorn Memorial Hospital, Bangkok 2015
80. Timing of dialysis initiation and patient outcomes. Dialysis Weekend. Quality Dialysis for Improving Outcomes. The zign Hotel, Pattaya, 2015
81. Haemodynamic-guided fluid administration Lotus Suite for the prevention of contrast-induced acute 3-4 kidney injury: the POSEIDON study. The 31st Annual Meeting The Royal College of Physicians of Thailand. Bangkok Convention Centera, Centralworld, Bangkok 2015
82. Approach to renal disease, Faculty of Dentistry, Chulalongkorn University, Bangkok 2015
83. Statistic methods in systematic review. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2015
84. Case sharing for CKD-MBD management, Nephrology Meeting, Bhumibol Adulyadej Hospital, 2015
85. CKD-MBD KDIGO guideline practice: the effect of phosphate binders on vascular calcification, Srinakarin hospital, Khon Kean University, Khon Kean. 2015
86. Evidence-based practice in nephrology: Meta-analysis. Asian Pacific Society of Nephrology, APSN continuing Medical Education (CME) course, Cypress Garden Hotel, Nagoya, Japan, 2015
87. CKD-MBD KDIGO guideline practice: the effect of phosphate binders on vascular calcification, Saraburi Hospital, Saraburi, 2015
88. Update Management of Anemia in CKD, Advance Renal cares for all, Chiang Khan, 2015
89. CKD-MBD: KDIGO guideline update, Pullman hotel, Bangkok, 2015
90. The differentiation among L/T and L type CCB on renal hemodynamic, King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok, 2015
91. "Update Treatment on Vascular Calcification & Clinical Practices – Case discussion" The Zign Hotel, Pattaya, Chonburi, 2015
92. Evidence-based practice in nephrology: Meta-analysis. Annual meeting, Nephrology society of Thailand, The Zign hotel, Pattaya, 2015
93. Results from the IMPACT Study, 2<sup>nd</sup> Asian CKD-MBD Forum, Chengdu, China, 2015
94. CKD-MBD KDIGO guideline practice: the effect of phosphate binders on vascular calcification, Ayutthaya Hospital, Ayutthaya, 2015
95. Metabolic Consequences and Nutrition Management in Kidney Diseases, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2015
96. Renal stone, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2015
97. How to Retard the progression of renal disease. 33<sup>rd</sup> World congress o internal medicine (WCIM) 2016, Bali, Indonesia.
98. Treatment of Hypertension in CKD patient. 33<sup>rd</sup> World congress o internal medicine (WCIM) 2016, Bali,

Indonesia.

99. Prevention and Management of Diabetic Kidney Disease. Crown plaza Hotel, Bangkok 2016
100. Anemia and mortality outcome preservation, JW Mariott Hotel, Bangkok 2016
101. A New Era in anemia management. VIE Hotel, Bangkok 2016
101. Update CKD management, The Bonanza Khao Yai Hotel, Nakonrachasrima 2016
102. Adynamic bone disease: From Bone to Vessels in CKD, VIE Hotel, Bangkok 2016
103. Glycemic Control Conveniently in T2DM with CKD patients. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok, 2016
104. HD adequacy. The Bonanza Khao Yai Hotel, Nakonrachasrima, 2016
105. Phosphate Binders: Your Questions Answered. Sakonnakon Hospital. 2016
106. Initiation Dialysis VS Conservative therapy in Advanced CKD. Landmark Hotel. 2016
107. Insulin Management in Patients with Chronic Kidney Disease. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
108. The Challenge of Glycaemic control in Patients with Renal Impairment. Bumrungrad Hospital. 2016
109. Treatment of Hypertension in CKD patient. Surat thani Hospital. 2016
110. Treatment of Hypertension in CKD patient. Supanburi Hospital. 2016
111. CKD-MBD. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
112. When to initiation dialysis. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
113. Frequent and home hemodialysis. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
114. Update CKD-MBD management. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
115. Treatment of Hypertension in CKD patient. Landmark Hotel, Bangkok. 2016
116. Electrolyte imbalance. Narai Hotel, Bangkok . 2016
117. Factor affecting efficacy of v2 receptor antagonist. Eastin Hotel, Bangkok 2016
118. Update HD adequacy 2016. Sukoson Hotel, Bangkok 2016
119. Update vascular calcification treatment. Crown plaza, Bangkok, 2016
120. The role of High cut-off membrane. Empress Hotel, Chiang Mai 2016
121. Update CKD-MBD KDIGO 2016. Empress Hotel, Chiang Mai 2016
122. Updated CKD management. Bhumirajanakarindra Kidney Institute Hospital ,Bangkok 2016
123. Systematic review and Meta-analysis, King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
124. Meta-analysis. Faculty of Medicine, Chiang Mai University, Chiang Mai 2017

125. Systematic review and Meta-analysis, King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2017
126. Fluid and electrolyte. King Chulalongkorn Memorial Hospital, Bangkok 2017
127. KDIGO-CKD-MBD guideline, Malaysia 2017
128. Calcium and Bone disease in CKD, Faculty of Medicine, Bangkok 2017
129. Initiation of dialysis, Dialysis weekend, Nephrology society of Thailand, The Zign hotel, Pattaya, 2017
130. High efficiency hemodialysis, Faculty of Medicine, Bangkok 2017
131. KDIGO-CKD-MBD guideline, Intercontinental Hotel, Bangkok 2017
132. Adequacy of hemodialysis, Faculty of Medicine, Bangkok 2017
133. Update anemia treatment, Khao Yai , Nakonrachasrima, 2017
134. Renal disease. Faculty of Dentistry. Chulalongkorn University 2017
135. Systematic review and Meta-analysis, King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2017
136. Metabolic Consequences and Nutrition Management in Kidney Diseases, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2017
  
137. Renal stone, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2017
138. Update hypertension treatment, Centera Hotel, 2017
139. Update hypertension treatment, Dusit Hotel, Hua Hin, 2017
140. Traditional and non-traditional effect of vitamin D, Lopburi 2017
141. Update anemia treatment, Bangkok 2017
142. Update anemia treatment, Dusit Thani Hotel Bangkok 2017
143. Update hypertension in nephrologist perspective, Crown Plaza Hotel 2017
144. KDIGO CKD-MBD 2017, Internation Society of Hemodialysis 2017, Centera Hotel 2017
145. Iron treatment. Annual meeting of Nephrology society of Thailand, Centera Hotel 2017
  
146. Update hypertension treatment, Phayathai Hosptial 2017
147. Common pitfall in Nephrology, Buriram Hospital 2017
148. Traditional and non-traditional effect of vitamin D, Bangkok 2017
149. KDIGO CKD-MBD 2017, Crown Plaza 2017
150. Iron treatment. Chantaburi 2017
  
151. Update hypertension in nephrologist perspective, Chumpon Hospital 2017
152. Improving glycemic control in CKD, Crown Plaza 2017

153. Fluid and electrolyte. King Chulalongkorn Memorial Hospital, Bangkok 2018
154. Calcium and Bone disease in CKD, Faculty of Medicine, Bangkok 2018
155. CKD management. Faculty of Medicine, Bangkok 2018
156. High efficiency hemodialysis, Faculty of Medicine, Bangkok 2018
157. KDIGO-CKD-MBD guideline, Intercontinental Hotel, Bangkok 2018
158. Adequacy of hemodialysis, Faculty of Medicine, Bangkok 2018
  
153. Vascular calcification and vascular stiffness in CKD. ISN Frontiers Meeting, Tokyo, Japan 2018
154. Metabolic Consequences and Nutrition Management in Kidney Diseases, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2018
155. Renal stone, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2018
  
156. Renal disease. Faculty of Dentistry. Chulalongkorn University 2018
157. Uremic toxin, Asia Hotel 2018
158. Selection of renal replacement therapy, Asia Hotel , 2018
159. Calcium Phosphorus Control in Chronic Hemodialysis. Bhumirajanakarindra Kidney Institute Hospital 2018
160. Update CKD-MBD management. Chiang Rai, 2019
161. Cardiorenal syndrome : Diagnosis and review of our current understanding. Crown plaza. 2019
162. CKD-MBD: Diagnosis accuracy of bone marker and bone histology in diabetic kidney disease patients. 8th CKD Frontier Meeting, Nagoya 2019
163. Benefit of supplemented VLPD: from global to local practice, IKS meeting, Soul, Korea 2019
164. Hypertension management in chronic kidney disease. Sriracha hospital, 2019
165. Oral anticoagulant use in special population focus on chronic kidney disease patients. Asia Hotel 2019
166. Traditional and non-traditional effect of vitamin D, Nakornrachasrima 2019
167. How to improve treatment outcome by Etelcalcetide in management of secondary hyperparathyroidism in HD patients? Bumrungrad Hospital 2019
168. Anemia management. Intercontinental hotel 2019
169. New paradigms in treatment of anemia in CKD patients. Avani Hotel, Khon Kaen 2019
170. Systematic review and Meta-analysis. Chulalongkorn university, 2019
171. Update CKD-MBD management 2019, Vie Hotel 2019
172. On-line hemodialysis. Prince hotel 2019.
173. Calcium and Bone disease in CKD, Faculty of Medicine, Bangkok 2019
174. CKD management. Faculty of Medicine, Bangkok 2019
175. High efficiency hemodialysis, Faculty of Medicine, Bangkok 2019

176. Adequacy of hemodialysis, Faculty of Medicine, Bangkok 2019
177. Update CKD-MBD management: VIE Hotel 2019
178. Simplify T2DM Management in a Broad Range of Clinical Practice. Annual meeting, Zign Hotel, Pattaya 2019
179. Pleiotropic effect of Calcimimetic in SHPT. Annual meeting, Zign Hotel, Pattaya 2019
180. Bone disease in chronic kidney disease. Annual meeting, Zign Hotel, Pattaya 2019
181. "GLP-1 Benefits in Nephrology Perspectives" Crown plaza hotel 2019.
182. "SGLT2 inhibitors: Sweet Success for Diabetic Kidney Disease" Crown plaza hotel 2019.
183. Overview in T2DM with CKD management. Ubonrachatani 2019
  
184. Fluid and electrolyte. King Chulalongkorn Memorial Hospital, Bangkok 2019
185. CKD-MBD management; VIE Hotel 2019
186. Role of L/T type CCB in hypertension management in CKD, Crown plaza 2019
187. The clinical landscape for managing patients with CKD: Where are we now and what can we expect? U Khao yai 2019
188. Role of RAAS blockade for Hypertension management in CKD. Crown plaza 2019
189. Hyponatremia management, Crown Plaza, 2019
190. How to improve treatment outcome in management of mineral bone disease in HD patients? Asia Hotel, 2019
191. Clinical and Practice Use of Calcimimetics in Dialysis Patients with SHPT. Novotel Hotel 2019.
192. Advanced dialysis treatment High volume HDF. Khao Yai 2019
193. Calcium Phosphorus and Parathyroid Hormone Control in Chronic HD. Bhumirajanakarindra Kidney Institute Hospital 2019
194. Systematic review and meta-analysis. Faculty of Medicine, Chulalongkorn university 2019
195. Statistical methods in systematic review and meta-analysis. Faculty of Medicine, Chulalongkorn university 2019
196. Workshop: meta-analysis (PICO, Comprehensive meta-analysis program). Faculty of Medicine, Chulalongkorn university 2019
197. Critical appraisal: systematic review and meta-analysis. Faculty of Medicine, Chulalongkorn university 2019
198. Hand-on: How to do the meta-analysis: Step by step. Faculty of Medicine, Chulalongkorn university 2019
  
199. Systematic review and meta-analysis: review/discussion Faculty of Medicine, Chulalongkorn university 2019
200. Meta-analysis (practice) Faculty of Medicine, Chulalongkorn university 2019



201. Step by step: How to do meta-analysis. Vachira Hospital 2019
- 202 Focusing on CV and renal safety for a broad range of T2D patients. Asia hotel. 2019
- 203.Uremic toxin, Asia Hotel 2019
204. Selection of renal replacement therapy, Asia Hotel, 2019
205. Clinical pearls in CKD-MBD. Faculty of Medicine, Chulalongkorn university 2019
206. Incremental Hemodialysis: Why and How 18th Asian Pacific Congress of Nephrology, Hong Kong. June 20, 2020

## ประวัติและผลงาน

รศ.ดร.พญ. ปวีณา สุสันฐิตพงษ์

(ได้รับการแต่งตั้งให้เป็นศาสตราจารย์ ตั้งแต่วันที่ 17 กรกฎาคม 2561

ในการประชุมสภามหาวิทยาลัยวันที่ 27 มิถุนายน 2562 และร่วประกาศโปรดเกล้า)

**วันเดือนปีเกิด:** 17 กรกฎาคม 2522

**ต้นสังกัด:**

- เลขานุการคณะกรรมการฝึกอบรมคณะกรรมการฝึกอบรมแพทย์ประจำบ้านต่อยอดหน่วยโรคไต ฝ่ายอายุรศาสตร์ รพ.จุฬาลงกรณ์
- สาขาวิชาโรคไต ภาควิชาอายุรศาสตร์ คณะแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย
- หัวหน้าศูนย์หน่วยปฏิบัติการวิจัยทางการแพทย์ด้านความผิดปกติทางเมทาบออลิกของกระดูกในผู้ป่วยโรคไต
- รองศาสตราจารย์พิเศษ (Adjunct associate professor) มหาวิทยาลัยทัฟส์ สหรัฐอเมริกา ตั้งตั้งปี พ.ศ. 2558
- ตัวแทนประเทศไทยเป็นกรรมการของสมาคมโรคไตนานาชาติระดับภูมิภาค (International Society of Nephrology, Oceania & South East Asia (OSEA) ; ISN-OSEA regional board) ตั้งตั้งปี พ.ศ. 2562

### ประวัติการศึกษา

แพทยศาสตรบัณฑิต (เกียรตินิยมอันดับ 1, GPAX 3.89)	พ.ศ. 2545	จุฬาลงกรณ์มหาวิทยาลัย
มหาบัณฑิต (GPAX 3.79)	พ.ศ. 2551	จุฬาลงกรณ์มหาวิทยาลัย
ดุษฎีบัณฑิต (Biomedical Sciences)	พ.ศ. 2556	จุฬาลงกรณ์มหาวิทยาลัย

### ประวัติการศึกษาหลังปริญญา

อายุรแพทย์	พ.ศ. 2549	มหาวิทยาลัยขอนแก่น
อายุรแพทย์โรคไต	พ.ศ. 2551	จุฬาลงกรณ์มหาวิทยาลัย
แพทย์ประจำบ้านต่อยอดด้านวิจัย (Visiting Fellow)	พ.ศ. 2552	University Hospital Ghent, Gent, Belgium
แพทย์ประจำบ้านต่อยอดโรคไต (Clinical Research in Nephrology)	พ.ศ. 2553-2554	St. Elizabeth's Medical Center, Tufts University School of Medicine, Boston, USA

### **อนุกรรมการของภาควิชาอายุรศาสตร์**

- พ.ศ. 2557-ปัจจุบัน อนุกรรมการรายวิชาปี 4 ภาควิชาอายุรศาสตร์  
พ.ศ. 2557-ปัจจุบัน อนุกรรมการฝ่ายการศึกษาระดับปริญญา  
พ.ศ. 2560-ปัจจุบัน อนุกรรมการรายวิชา EBM ปี 5 ภาควิชาอายุรศาสตร์  
พ.ศ. 2560-ปัจจุบัน อนุกรรมการฝ่ายวิจัย

### **อนุกรรมการของคณะแพทยศาสตร์**

- พ.ศ. 2558-ปัจจุบัน เลขานุการและอนุกรรมการบริหารการสอบอัตรานายประยุกต์ชั้นปีที่ 6 คณะแพทยศาสตร์  
พ.ศ. 2558-ปัจจุบัน อนุกรรมการฝ่ายวิจัย คณะแพทยศาสตร์  
พ.ศ. 2562-ปัจจุบัน อนุกรรมการดำเนินการจัดการอบรมระยะสั้นหลักสูตร การวิจัยทางวิทยาศาสตร์สุขภาพ  
พ.ศ. 2563 คณะกรรมการบริหารหลักสูตร วท.ม และวท.ด สาขาวิชาเวชศาสตร์คลินิก (นานาชาติ)

### **อนุกรรมการของสมาคมโรคไต**

- พ.ศ. 2557-2558 อนุกรรมการการฝึกอบรมและสอบผู้เชี่ยวชาญพยาบาลไตเทียม  
พ.ศ. 2559-2562 อนุกรรมการการวิจัยและมาตรฐานวิชาชีพ  
พ.ศ. 2561-2562 เลขานุการและอนุกรรมการการฝึกอบรมและสอบผู้เชี่ยวชาญพยาบาลไตเทียม  
พ.ศ. 2563 เลขานุการคณะอนุกรรมการฝึกอบรมและสอบฯ อนุสาขาอายุรศาสตร์โรคไต  
พ.ศ. 2563 เลขานุการคณะทำงานกำหนดแนวทางการรักษาภาวะโลหิตจางในผู้ป่วยโรคไตเรื้อรัง

### **อนุกรรมการของราชวิทยาลัยอายุรศาสตร์แห่งประเทศไทย**

- พ.ศ. 2561-ปัจจุบัน ผู้ช่วยเลขานุการและอนุกรรมการตรวจรับรองมาตรฐานการรักษาโดยการฟอกเลือดด้วยเครื่องไตเทียม  
พ.ศ. 2563 เลขานุการคณะอนุกรรมการฝึกอบรมและสอบฯ อนุสาขาอายุรศาสตร์โรคไต

### **กรรมการของต่างประเทศ**

- พ.ศ. 2562-2563 ตัวแทนประเทศไทยเป็นกรรมการของสมาคมโรคไตระดับภูมิภาคในการเขียนคู่มือการดูแลผู้ป่วยโรคไตจากเบาหวาน (APSN DM guideline)  
พ.ศ. 2563 คณะกรรมการจัดงาน APCN 2021

## รางวัลและเกียรติประวัติ

- พ.ศ 2548 รางวัลชนะเลิศการประกวดงานวิจัยระดับแพทย์ประจำบ้าน คณะแพทยศาสตร์ มหาวิทยาลัยขอนแก่น
- พ.ศ 2549 รางวัลรองชนะเลิศอันดับที่ 1 ของการประกวดงานวิจัยระดับแพทย์ประจำบ้าน ราชวิทยาลัยอายุรแพทย์แห่งประเทศไทย
- พ.ศ 2550 บุคคลตัวอย่าง (Best Persons Award) คณะแพทยศาสตร์ มหาวิทยาลัยขอนแก่น
- พ.ศ 2551 รางวัลชนะเลิศของการประกวดงานวิจัยระดับแพทย์ประจำบ้านต่อยอด ราชวิทยาลัยอายุรแพทย์แห่งประเทศไทย
- พ.ศ 2552 รางวัลรองชนะเลิศอันดับที่ 1 ของการประกวดงานวิจัยระดับอาจารย์ สหสมาคมโรคไตแห่งประเทศไทย
- พ.ศ 2553 รางวัลชมเชยการประกวดผลงานวิจัยแบบปากเปล่าและรางวัลชนะเลิศผลงานวิจัยแบบโปสเตอร์ ระดับอาจารย์ สหสมาคมโรคไตแห่งประเทศไทย
- พ.ศ 2554-2555 รางวัลแพทย์ประจำบ้านต่อยอดของสหสมาคมโรคไตนานาชาติ (International Society of Nephrology COMGAN Fellowship Award)

## ผู้วิจารณ์ของวารสารนานาชาติ (AD-HOC REVIEWER FOR SCIENTIFIC JOURNALS)

1. Kidney International
2. American Journal of Kidney Diseases
3. Nephrology, Dialysis, Transplantation
4. Nephrology
5. Therapeutic Apheresis and Dialysis
6. Renal Failure
7. Advances in Chronic Kidney Disease
8. BMC genomics
9. Endocrine
10. BMC nephrology
11. Medicine
12. BMC Medicine
13. Renal failure
14. Nephron
15. International Urology and Nephrology
16. Asian Biomedicine

### วิทยากรระดับนานาชาติ

- 1) Evidence-based practice in nephrology: Meta-analysis. APSN Continuing Medical Education (CME) Course, Nagoya 2015
- 2) Results from the IMPACT Study. Renal Asian CKD-MBD Forum. Chengdu, Sichuan Province, China 2015
- 3) How to retard the progression of renal disease? 33rd World Congress of Internal Medicine, Bali 2016
- 4) Treatment of hypertension in CKD patient. 33rd World Congress of Internal Medicine, Bali 2016
- 5) KDIGO-CKD-MBD guideline, Malaysia 2017
- 6) Vascular calcification and vascular stiffness in CKD. ISN Frontiers Meeting, Tokyo, Japan 2018
- 7) CKD-MBD: Diagnosis accuracy of bone marker and bone histology in diabetic kidney disease patients. 8th CKD Frontier Meeting, Nagoya 2019
- 8) Benefit of supplemented VLPD: from global to local practice, IKS meeting, Seoul, Korea 2019
- 9) Incremental Hemodialysis: Why and How 18th Asian Pacific Congress of Nephrology, Hong Kong June 20, 2020
- 10) Time on our side-retarding CKD progression: finding of a systematic review; Keto-Analogues in CKD webcast 2020.

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### ผลงานที่ได้รับการตอบรับให้แสดงผลงานของงานประชุมในประเทศ

1. A randomized double blind controlled trial to evaluate adjuvant effect of lithium on radioiodine treatment of hyperthyroidism. Academic Annual Meeting 2005, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand, 2005. (oral presentation)
2. A randomized double blind controlled trial to evaluate adjuvant effect of lithium on radioiodine treatment of hyperthyroidism. Annual Meeting of The Royal College of Physicians of Thailand, Pattaya, Chonburi, Thailand, 2006. (oral presentation)
3. The comparison of large molecule uremic toxin clearance among mid-dilution, pre-dilution & post-dilution on-line hemodiafiltration. Annual Meeting of The Royal College of Physicians of Thailand, Pattaya, Chonburi, Thailand, 2008. (oral presentation)
4. The comparison of large molecule uremic toxin clearance among mid-dilution, pre-dilution & post-dilution on-line hemodiafiltration. Fellow research award, Siam City Hotel, Bangkok, Thailand 2008. (oral presentation)
5. A comparison of efficacy between mid-dilution and post-dilution on-line hemodiafiltration. Academic Meeting. Research Affairs, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2008. (oral presentation)
6. Comparison of hemodialysis blood access flow rate determination using on-line clearance monitoring (OCM) and ultrasound dilution technique (UDT). Annual Nephro Meeting, The Nephrology Society of Thailand, Dusit Hotel, Hua Hin, Thailand 2008. (oral presentation)
7. The efficacy of separated system continuous veno-venous hemofiltration in critical acute kidney injury. Annual Nephro Meeting, The Nephrology Society of Thailand, Sine Hotel, Pattaya, Chonburi, Thailand 2009. (poster presentation)
8. A cross-over efficacy comparison between mixed-dilution and mid-dilution OL-HDF techniques. Annual Nephro Meeting, The Nephrology Society of Thailand. Sine Hotel, Pattaya, Chonburi, Thailand 2009. (oral presentation)

### ผลงานที่ได้รับการตอบรับให้แสดงผลงานของงานประชุมนานาชาติ

1. Efficacy of mid-dilution on-line hemodiafiltration compared with two standard pre-dilution and post-dilution on-line hemodiafiltration. Renal week 2008, American Society of Nephrology, Philadelphia, PA, USA (poster presentation)

2. Long term efficacy of convective-controlled double high-flux hemodiafiltration versus on-line hemodiafiltration. The 2<sup>nd</sup> Congress of International Society for Hemodialysis 2009 (ISHD 2009), Hong Kong. (poster presentation)
3. Efficacy of separated system continuous veno-venous hemofiltration in critical acute kidney injury. Renal week 2009, American Society of Nephrology, San Diego, California, USA (poster presentation)
4. A Cross-over Efficacy Comparison between Mixed-dilution and Mid-dilution On-line hemodiafiltration (OL-HDF) Techniques. APCN 2010, Coex, Seoul, Korea (oral presentation)
5. Hydration Status is Best Correlated with Pulse Pressure in Hemodialysis Patients. APCN 2010, Coex, Seoul, Korea (poster presentation)
6. Effect of Frequent or Extended Thrice-Weekly Hemodialysis on Cardiac and Blood Pressure (BP) Parameters: A Meta-Analysis. Renal week 2011, American Society of Nephrology, Philadelphia, PA, USA (poster presentation)
7. Estimated Glomerular Filtration Rate (eGFR) at Initiation of Dialysis and Mortality in Patients with Advanced Chronic Kidney Disease (CKD): A Meta-analysis. Renal week 2011, American Society of Nephrology, Philadelphia, PA, USA (poster presentation)
8. Efficacy and Safety of Combined vs. Single Renin Angiotensin Aldosterone System Blockade in Chronic Kidney Disease: A Meta-Analysis . Renal week 2012, American Society of Nephrology, San Diego, California, USA (oral presentation)
9. Effect of Ultrapure Dialysate on Markers of Inflammation, Oxidative Stress, and Nutrition, and Anemia Parameters: A Meta-Analysis . Renal week 2012, American Society of Nephrology, San Diego, California, USA (oral presentation)
10. Association of Kallikrein-1 Gene Polymorphisms and Acute Kidney Injury: A Case-Control and Cohort Study. Renal week 2012, American Society of Nephrology, San Diego, California, USA (oral presentation)
11. Urinary  $\alpha$ -Glutathione S-Transferase (GST) and  $\pi$ -GST for Prediction of Severe Acute Kidney Injury (AKI) Following Cardiopulmonary Bypass (CPB). Renal week 2012, American Society of Nephrology, San Diego, California, USA (poster presentation)
12. Effect of Low-to-Moderate Aluminum Exposure on Iron Status and Bone Markers in Chronic Hemodialysis Patients. Renal week 2012, American Society of Nephrology, San Diego, California, USA (poster presentation)

13. Convective Therapies vs. Low-Flux Hemodialysis for Chronic Kidney Failure: A Meta-Analysis of Randomized Controlled Trials. Renal week 2013, American Society of Nephrology, Atlanta, Georgia, USA (oral presentation)
14. Intravenous Iron for Functional Iron Deficiency Anemia in Hemodialysis Patients: A Meta-Analysis. Renal week 2013, American Society of Nephrology, Atlanta, Georgia, USA (oral presentation)
15. Performance of Urinary Kidney Injury Molecule-1 (KIM-1) in Acute Kidney Injury (AKI): A Systematic Review. Renal week 2013, American Society of Nephrology, Atlanta, Georgia, USA (poster presentation)
16. Acute Kidney Injury Around the World: A New Meta-Analysis Utilizing KDIGO Definitions, World Congress of Nephrology 2015, Cape Town, South Africa (poster presentation)
17. Acute Kidney Injury Around the World: A New Meta-Analysis Utilizing KDIGO Definitions, World Congress of Nephrology 2015, Cape Town, South Africa (oral presentation)
18. Correlations of Plasma Desphosphorylated Uncarboxylated Matrix Gla Protein with Vascular Calcification and Vascular Stiffness in Chronic Kidney Disease. Renal week 2016, American Society of Nephrology, Chicago, Illinois, USA (poster presentation)
19. Cinacalcet for Treatment of Chronic Kidney Disease–Mineral and Bone Disorder: A Meta-analysis of Randomized Controlled Trials. International Society of Hemodialysis 2017, Bangkok. (Oral presentation)
20. Maintenance Intravenous Iron Protocol for Hemodialysis Patients. International Society of Hemodialysis 2017, Bangkok. (poster presentation)
21. Appropriated Maintenance Dose of Nutritional Vitamin D Supplement in Hemodialysis Patients. International Society of Hemodialysis 2017, Bangkok (Oral presentation)
22. Predicting Factors of Vascular Stiffness in Hemodialysis Patients. International Society of Hemodialysis 2017, Bangkok. (poster presentation)
23. Meta-analysis of Calciphylaxis in CKD Population: Mortality Evidence. International Society of Hemodialysis 2017, Bangkok. (poster presentation)
24. The Benefit of Combined Calcium Channel blockers with Angiotensin Converting Enzyme Inhibitors or Angiotensin II Receptor Blockers on Renal Outcomes in Hypertensive Patients : A Meta-analysis. Renal week 2017, American Society of Nephrology, New Orleans, LA, USA (poster presentation)
25. Effect of Sodium Thiosulfate on Arterial Stiffness in End-Stage Renal Disease Patients Undergoing Chronic Hemodialysis: A Randomized Controlled Trial Renal week 2017, American Society of Nephrology, New Orleans, LA, USA (poster presentation)

26. Chronic Kidney Disease Patients with Calciphylaxis and Sodium Thiosulfate Treatment: A Systematic Review and Meta-analysis. Renal week 2017, American Society of Nephrology, New Orleans, LA, USA (poster presentation)
27. Interferon-inducible Protein 10 and Disease Activity in Patients with Systemic Lupus Erythematosus and Lupus Nephritis: A Systematic Review and Meta-analysis. Renal week 2017, American Society of Nephrology, New Orleans, LA, USA (poster presentation)
28. Effect of ketoanalogue on Chronic Kidney Disease. A Meta-analysis. Renal Nutrition. Renal week 2018, American Society of Nephrology, San Diego, California, USA (poster presentation)
29. Proton pump inhibitors and Hypomagnesemia. A Meta-analysis. Renal week 2018, American Society of Nephrology, San Diego, California, USA (poster presentation)
30. Bone turnover markers predict type of bone histomorphometry and bone mineral density in Asian chronic haemodialysis patients. Renal week 2018, American Society of Nephrology, San Diego, California, USA (poster presentation).
31. Benefit of Intravenous iron supplement on anemia and erythropoietin dose in chronic hemodialysis patients. A Randomized controlled trial. Renal week 2019, American Society of Nephrology, Washington. D.C., USA (oral presentation).
32. Pleiotropic effects of anti-glycemic oral medication on renal and cardiovascular outcomes: A Meta-analysis. Renal week 2019, American Society of Nephrology, Washington. D.C., USA (poster presentation)
33. Protein-bound uremic toxins lowering effect of sevelamer in predialysis chronic kidney disease patients with hyperphosphatemia: A randomized controlled trial. Renal week 2019, American Society of Nephrology, Washington. D.C., USA (poster presentation)

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### **วิทยากรงานประชุม**

1. Calcium channel blockers and renal protection: INSIGHT from the latest clinical trial. Evolving trends in medicine. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2008.
2. Acute kidney injury and dialysis. Advanced Critical and Emergency Care Nursing. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2008.
3. Case discussion "Simplifying the management of hyperphosphataemia". Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2009.
4. Management of acute renal failure in critically ill patients. Advanced Critical and Emergency Care Nursing. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2009.
5. Acute kidney injury. Practical nephrology for internists. Siam City Hotel, Bangkok, Thailand 2009.
6. Electrolyte imbalance in critically ill patients. Critical Care Nephrology and Dialysis 2009. Bhumipol Hospital, Bangkok, Thailand 2009.
7. Renal disease and Stone. Faculty of Allied Health Sciences, Chulalongkorn University , Bangkok, Thailand 2009.
8. Concept and controversy in acute kidney injury management. Practical Medicine: Concept and Controversy. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2009.
9. Hemodiafiltration (HDF). Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand 2009.
10. Uremic toxins. Centara Hotel, Bangkok, Thailand 2009.
11. Renal failure and surgery. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2009
12. The usage of calcium channel blockers in renal disease. Nakhon Ratchasima, Thailand 2010
13. Acute renal failure. State of the art: From evidence-based to practice in cardio-renal management. Pullman Hotel, Bangkok, Thailand 2010

14. Workshop: Double high-flux HDF and mid-dilution on-line HDF. Dialysis Weekend "Quality Dialysis in the Year 2010". Ambassador City Jomtien Hotel, Pattaya, Chonburi, Thailand, 2010.
15. Update in treatment of acute kidney injury. Mandarin Hotel, Bangkok, Thailand 2010.
16. Uremic toxins in chronic kidney disease. The Royal Golden Jubilee Building, Bangkok, Thailand 2010.
17. Phosphate-binder in chronic kidney disease. Chulalongkorn Memorial Hospital, Thailand 2010
18. Renal Failure in Elderly. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
19. Critical Care Nephrology. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
20. Renal disease and Stone. Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand 2010.
21. Acute Kidney Injury and Dialysis. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
22. Fluid & Electrolyte. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
23. Continuous renal replacement therapy. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
24. Anatomy & Physiology of Renal System. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
25. Laboratory investigation in renal disease. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
26. History taking of renal disease. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
27. Clinical judgment in renal disease. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
28. Pathophysiology of CKD (bone, Ca, P, Acid-base). Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
29. Overview of HD. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
30. Maximizing medical-care efficiency of AKI : Cardiorenal syndrome . Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
31. Workshop: Electrolyte imbalance. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
32. Uremic toxins and vascular calcification. Tawanna Hotel, Bangkok, Thailand 2010.
33. Renal replacement therapy. Pullman Hotel, Bangkok, Thailand 2010.

34. Debate: The best treatment of AKI. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
35. Workshop: Mixed-dilution and Mid-dilution OL-HDF. Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand 2010.
36. New Era of CKD-MBD management. Shanghai, China, 2010
37. NGAL: A promising Marker for AKI (Acute kidney injury). Pamongkut hospital. Bangkok, Thailand 2010.
38. Insight of CKD-MBD: Pathophysiology and Phosphate Metabolism, Hua Hin, Thailand 2013
39. Essential Evidence based-Medicine for Nephrologist, Siriraj Hospital, Bangkok, Thailand 2013
40. From hypertension to CKD: Vascular calcification and CV risk. Langham Place Hotel, Hong Kong, 2013
41. Current Status and Issues of CKD-MBD Management in Thailand , Conrad Hotel, Hong Kong 2013
42. Acute Hemodialysis and CRRT in AKI, Phetcharut Garden Hotel, Roi Et, Thailand 2013
43. Workshop: Hemodialysis procedures, On-line hemodiafiltration, double filter , Phetcharut Garden Hotel, Roi Et, Thailand 2013
44. Metabolic Consequences and Nutrition Management in Kidney Diseases, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2013
45. Renal stone, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2013
46. When to Initiate RRT in Asia?, 7th Meeting of the Asian Forum of CKD initiative, Pattaya, Thailand 2013
47. Phosphate binders in CKD : where do we stand?, 7th Meeting of the Asian Forum of CKD initiative, 7<sup>th</sup> AFCKDI, Pattaya, Thailand 2013
48. Renal osteodystrophy, Pattaya, Thailand 2013
49. New insight in CKD-MBD: how to improve patient outcomes, Mettapracharuk Hospital, Nakornpathom, Thailand 2013
50. Fluid and electrolyte, Chulalongkorn University, Bangkok, Thailand 2013
51. Update of Electrolyte Disorder : New Evidence That Will Impact Your Practice, Chulalongkorn University, Bangkok, Thailand 2013
52. Hypernatremia and Hyponatremia. Department of Medicine, Phramongkutklo Hospital, Thailand 2013.
53. Updated clinical trial in CKD ,Bangkok, Thailand, 2013
54. Updated clinical trial in HD, Bangkok, Thailand, 2013
55. Updated knowledge in CKD, Chulalongkorn University, Bangkok, Thailand 2014

56. Management of mineral and bone disorders: What the current evidences tell us? Current guidelines, Pattaya, Thailand 2014
57. Global New Guideline and the treatment for Hypertension in Clinical Practice, Bumrungrad Hospital, Bangkok, Thailand 2014
58. Update Management of Hypertension in Renal disease, Chulalongkorn University, Bangkok, Thailand 2014
59. Role of Novel phosphate binders in optimizing adherence and effectiveness of phosphate management, Chiang Mai, Thailand ,2014
60. Efficacy, Safety and other benefits of Fosrenol versus Sevelamer based on Updated Clinical Studies, Bangkok, Thailand, 2014
61. Efficacy, Safety and other benefits of Phosphate binders based on Updated Clinical Studies, Bangkok, Thailand, 2014
62. Role of Novel phosphate binders in optimizing adherence and effectiveness of phosphate management, Bhumi Rajanagarindra Kidney Institute, Bangkok, 2014
63. Fluid and electrolyte, Chulalongkorn University, Bangkok, Thailand 2014
64. Hemodialysis adequacy, Pullman Hotel, Bangkok, Thailand 2014
65. Management of anemia in CKD, Bangkok, Thailand 2014
66. Essential Evidence based-Medicine for Nephrologist, Siriraj Hospital, Bangkok, Thailand 2014
67. Systematic review and meta-analysis, Siriraj Hospital, Bangkok, Thailand 2014
68. How to Reduce Cardiovascular Mortality in CKD patients, Chiang Mai, Thailand 2014
69. Hybrid therapy and on-line hemodiafiltration, Chiang Mai, Thailand 2014
70. Update on hemodialysis practice, Centera Hotel, Khon Kaen, Thailand 2014
71. Current updated CKD-MBD, Chulalongkorn University, Bangkok, Thailand 2014
72. Management of CKD-MBD: What the current evidences tell us?, VIE Hotel , Bangkok, Thailand 2014
73. Anemia and PRCA, Pullman Hotel, Thailand 2014
74. Management of CKD-MBD, Intercontinental Hotel, Thailand 2014.
75. Low flux, high flux, on-line hemodiafiltration, Bhumi Rajanagarindra Kidney Institute, Bangkok, 2015
76. Quality of hemodialysis (KPI) Bhumi Rajanagarindra Kidney Institute, Bangkok, 2015
77. CKD-MBD KDIGO guideline practice: the effect of phosphate binders on vascular calcification. Vajira hospital, Bangkok 2015
78. Quality Improvement of Anemia Improvement. Dialysis Review for Nurse, Prince Palace Hotel

79. Fluid and electrolyte. King Chulalongkorn Memorial Hospital, Bangkok 2015
80. Timing of dialysis initiation and patient outcomes. Dialysis Weekend. Quality Dialysis for Improving Outcomes. The Zign Hotel, Pattaya, 2015
81. Haemodynamic-guided fluid administration Lotus Suite for the prevention of contrast-induced acute 3-4 kidney injury: the POSEIDON study. The 31st Annual Meeting The Royal College of Physicians of Thailand. Bangkok Convention Center, Centralworld, Bangkok 2015
82. Approach to renal disease, Faculty of Dentistry, Chulalongkorn University, Bangkok 2015
83. Statistic methods in systematic review. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2015
84. Case sharing for CKD-MBD management, Nephrology Meeting, Bhumibol Adulyadej Hospital, 2015
85. CKD-MBD KDIGO guideline practice: the effect of phosphate binders on vascular calcification, Srinakarin hospital, Khon Kean University, Khon Kean. 2015
86. Evidence-based practice in nephrology: Meta-analysis. Asian Pacific Society of Nephrology, APSN continuing Medical Education (CME) course, Cypress Garden Hotel, Nagoya, Japan, 2015
87. CKD-MBD KDIGO guideline practice: the effect of phosphate binders on vascular calcification, Saraburi Hospital, Saraburi, 2015
88. Update Management of Anemia in CKD, Advance Renal cares for all, Chiang Khan, 2015
89. CKD-MBD: KDIGO guideline update, Pullman hotel, Bangkok, 2015
90. The differentiation among L/T and L type CCB on renal hemodynamic, King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok, 2015
91. "Update Treatment on Vascular Calcification & Clinical Practices – Case discussion" The Zign Hotel, Pattaya, Chonburi, 2015
92. Evidence-based practice in nephrology: Meta-analysis. Annual meeting, Nephrology society of Thailand, The Zign hotel, Pattaya, 2015
93. Results from the IMPACT Study, 2<sup>nd</sup> Asian CKD-MBD Forum, Chengdu, China, 2015
94. CKD-MBD KDIGO guideline practice: the effect of phosphate binders on vascular calcification, Ayutthaya Hospital, Ayutthaya, 2015
95. Metabolic Consequences and Nutrition Management in Kidney Diseases, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2015
96. Renal stone, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2015

97. How to Retard the progression of renal disease. 33<sup>rd</sup> World congress o internal medicine (WCIM) 2016, Bali, Indonesia.
98. Treatment of Hypertension in CKD patient. 33<sup>rd</sup> World congress o internal medicine (WCIM) 2016, Bali, Indonesia.
99. Prevention and Management of Diabetic Kidney Disease. Crown plaza Hotel, Bangkok 2016
100. Anemia and mortality outcome preservation, JW Marriott Hotel, Bangkok 2016
101. A New Era in anemia management. VIE Hotel, Bangkok 2016
102. Update CKD management, The Bonanza Khao Yai Hotel, Nakonrachasrima 2016
103. Adynamic bone disease: From Bone to Vessels in CKD, VIE Hotel, Bangkok 2016
104. Glycemic Control Conveniently in T2DM with CKD patients. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok, 2016
- 105.HD adequacy. The Bonanza Khao Yai Hotel, Nakonrachasrima, 2016
- 106.Phosphate Binders: Your Questions Answered. Sakonnakon Hosptial. 2016
107. Initiation Dialysis VS Conservative therapy in Advanced CKD. Landmark Hotel. 2016
108. Insulin Management in Patients with Chronic Kidney Disease. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
109. The Challenge of Glycaemic control in Patients with Renal Impairment. Bumrungrad Hosptial.
- 110.Treatment of Hypertension in CKD patient. Surat thani Hospital. 2016
111. Treatment of Hypertension in CKD patient. Supanburi Hospital. 2016
112. CKD-MBD. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
113. When to initiation dialysis. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
114. Frequent and home hemodialysis. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
115. Update CKD-MBD management. King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
116. Treatment of Hypertension in CKD patient. Landmark Hotel, Bangkok. 2016
117. Electrolyte imbalance. Narai Hotel, Bangkok . 2016
118. Factor affecting efficacy of v2 receptor antagonist. Eastin Hotel, Bangkok 2016
119. Update HD adequacy 2016. Sukoson Hotel, Bangkok 2016
120. Update vascular calcification treatment. Crown plaza, Bangkok, 2016



121. The role of High cut-off membrane. Empress Hotel, Chiang Mai 2016
122. Update CKD-MBD KDIGO 2016. Empress Hotel, Chiang Mai 2016
123. Updated CKD management. Bhumirajanakarindra Kidney Institute Hospital ,Bangkok 2016
124. Systematic review and Meta-analysis, King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2016
125. Meta-analysis. Faculty of Medicine, Chiang Mai University, Chiang Mai 2017
126. Systematic review and Meta-analysis, King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2017
127. Fluid and electrolyte. King Chulalongkorn Memorial Hospital, Bangkok 2017
128. KDIGO-CKD-MBD guideline, Malaysia 2017
129. Calcium and Bone disease in CKD, Faculty of Medicine, Bangkok 2017
130. Initiation of dialysis, Dialysis weekend, Nephrology society of Thailand, The Zign hotel, Pattaya, 2017
131. High efficiency hemodialysis, Faculty of Medicine, Bangkok 2017
132. KDIGO-CKD-MBD guideline, Intercontinental Hotel, Bangkok 2017
133. Adequacy of hemodialysis, Faculty of Medicine, Bangkok 2017
134. Update anemia treatment, Khao Yai , Nakhonratchasima, 2017
135. Renal disease. Faculty of Dentistry. Chulalongkorn University 2017
136. Systematic review and Meta-analysis, King Chulalongkorn Memorial Hospital, Faculty of Medicine, Bangkok 2017
137. Metabolic Consequences and Nutrition Management in Kidney Diseases, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2017

138. Renal stone, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2017
139. Update hypertension treatment, Centera Hotel, 2017
140. Update hypertension treatment, Dusit Hotel, Hua Hin, 2017
141. Traditional and non-traditional effect of vitamin D, Lopburi 2017
142. Update anemia treatment, Bangkok 2017
143. Update anemia treatment, Dusit Thani Hotel Bangkok 2017
144. Update hypertension in nephrologist perspective, Crown Plaza Hotel 2017
145. KDIGO CKD-MBD 2017, International Society of Hemodialysis 2017, Centera Hotel 2017
146. Iron treatment. Annual meeting of Nephrology society of Thailand, Centera Hotel 2017
147. Update hypertension treatment, Phayathai Hospital 2017
148. Common pitfall in Nephrology, Buriram Hospital 2017
149. Traditional and non-traditional effect of vitamin D, Bangkok 2017
150. KDIGO CKD-MBD 2017, Crown Plaza 2017
151. Iron treatment. Chantaburi 2017
152. Update hypertension in nephrologist perspective, Chumpon Hospital 2017
153. Improving glycemic control in CKD, Crown Plaza 2017
154. Fluid and electrolyte. King Chulalongkorn Memorial Hospital, Bangkok 2018
155. Calcium and Bone disease in CKD, Faculty of Medicine, Bangkok 2018
156. CKD management. Faculty of Medicine, Bangkok 2018
157. High efficiency hemodialysis, Faculty of Medicine, Bangkok 2018

158. KDIGO-CKD-MBD guideline, Intercontinental Hotel, Bangkok 2018
159. Adequacy of hemodialysis, Faculty of Medicine, Bangkok 2018
160. Vascular calcification and vascular stiffness in CKD. ISN Frontiers Meeting, Tokyo, Japan 2018
161. Metabolic Consequences and Nutrition Management in Kidney Diseases, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2018
162. Renal stone, Faculty of Allied Health Sciences, Chulalongkorn University, Thailand 2018
163. Renal disease. Faculty of Dentistry. Chulalongkorn University 2018
164. Uremic toxin, Asia Hotel 2018
165. Selection of renal replacement therapy, Asia Hotel , 2018
166. Calcium Phosphorus Control in Chronic Hemodialysis. Bhumirajanakarindra Kidney Institute Hospital 2018
167. Update CKD-MBD management. Chiang Rai, 2019
168. Cardiorenal syndrome : Diagnosis and review of our current understanding. Crown plaza. 2019
169. CKD-MBD: Diagnosis accuracy of bone marker and bone histology in diabetic kidney disease patients. 8th CKD Frontier Meeting, Nagoya 2019
170. Benefit of supplemented VLPD: from global to local practice, IKS meeting, Seoul, Korea 2019
171. Hypertension management in chronic kidney disease. Sriracha hospital, 2019
172. Oral anticoagulant use in special population focus on chronic kidney disease patients. Asia Hotel 2019
173. Traditional and non-traditional effect of vitamin D, Nakomrachasrima 2019

174. How to improve treatment outcome by Etelcalcetide in management of secondary hyperparathyroidism in HD patients? Bumrungrad Hospital 2019
175. Anemia management. Intercontinental hotel 2019
176. New paradigms in treatment of anemia in CKD patients. Avani Hotel, Khon Kaen 2019
177. Systematic review and Meta-analysis. Chulalongkorn university, 2019
178. Update CKD-MBD management 2019, Vie Hotel 2019
179. On-line hemodialysis. Prince hotel 2019.
180. Calcium and Bone disease in CKD, Faculty of Medicine, Bangkok 2019
181. CKD management. Faculty of Medicine, Bangkok 2019
182. High efficiency hemodialysis, Faculty of Medicine, Bangkok 2019
183. Adequacy of hemodialysis, Faculty of Medicine, Bangkok 2019
184. Update CKD-MBD management: VIE Hotel 2019
185. Simplify T2DM Management in a Broad Range of Clinical Practice. Annual meeting, Zign Hotel, Pattaya 2019
186. Pleiotropic effect of Calcimimetic in SHPT. Annual meeting, Zign Hotel, Pattya 2019
187. Bone disease in chronic kidney disease. Annual meeting, Zign Hotel, Pattya 2019
188. "GLP-1 Benefits in Nephrology Perspectives" Crown plaza hotel 2019.
189. "SGLT2 inhibitors: Sweet Success for Diabetic Kidney Disease" Crown plaza hotel 2019.
190. Overview in T2DM with CKD management. Ubonrachatani 2019
191. Fluid and electrolyte. King Chulalongkorn Memorial Hospital, Bangkok 2019
192. CKD-MBD management; VIE Hotel 2019

193. Role of L/T type CCB in hypertension management in CKD, Crown plaza 2019
194. The clinical landscape for managing patients with CKD: Where are we now and what can we expect?  
U Khao yai 2019
195. Role of RAAS blockade for Hypertension management in CKD. Crown plaza 2019
196. Hyponatremia management, Crown Plaza, 2019
197. How to improve treatment outcome in management of mineral bone disease in HD patients? Asia  
Hotel, 2019
198. Clinical and Practice Use of Calcimimetics in Dialysis Patients with SHPT. Novotel Hotel 2019.
199. Advanced dialysis treatment High volume HDF. Khao Yai 2019
200. Calcium Phosphorus and Parathyroid Hormone Control in Chronic HD. Bhumirajanakarindra Kidney  
Institute Hospital 2019
201. Systematic review and meta-analysis. Faculty of Medicine, Chulalongkorn university 2019
202. Statistical methods in systematic review and meta-analysis. Faculty of Medicine, Chulalongkorn  
university 2019
203. Workshop: meta-analysis (PICO, Comprehensive meta-analysis program). Faculty of Medicine,  
Chulalongkorn university 2019
204. Critical appraisal: systematic review and meta-analysis. Faculty of Medicine, Chulalongkorn university  
2019
205. Hand-on: How to do the meta-analysis: Step by step. Faculty of Medicine, Chulalongkorn university  
2019
206. Systematic review and meta-analysis: review/discussion Faculty of Medicine, Chulalongkorn university  
2019
207. Meta-analysis (practice) Faculty of Medicine, Chulalongkorn university 2019
208. Step by step: How to do meta-analysis. Vachira Hospital 2019
209. Update CKD-MBD Management, Nakhonpathom Hospital 2019
- 210 Focusing on CV and renal safety for a broad range of T2D patients. Asia hotel. 2019
210. Uremic toxin, Asia Hotel 2019
211. Selection of renal replacement therapy, Asia Hotel, 2019
212. Clinical pearls in CKD-MBD. Faculty of Medicine, Chulalongkorn university 2019

213. SGLT2i: Sweet success for DKD. Pullman King power 2020
214. Practical point in DM and HTN nephropathy Ambulatory annual meeting 2020.
215. Improving outcomes in CKD-MBD, Dialysis weekend 2020, Zign Hotel, Pattaya
216. Post-transplant bone disease: hyperparathyroidism, osteoporosis, The Berkeley Hotel Pratunam, Annual meeting of Transplantation Society. 2020
217. Webinar: Improving Outcomes in CKD-MBD: focus on the role of phosphate binders 2020.
218. SGLT2i: The new option for DKD prevention. Crown Plaza Bangkok 2020.
219. Webinar: Benefit of supplement VLPD from evidence base. 2020.
220. CKD-MBD in Thailand: Incidence, Prevalence and challenges, Annual meeting 2020.
221. Webcast. Pathogenesis and diagnosis of CKD-MBD. VIE hotel 2020
222. Game changer: positioning of SGLT2 in renal protection. Grande center point, Pattaya 2020
223. Update CKD-MBD management: Thammasat university 2020.
224. The Role of HIF stabilizer in non-dialysis CKD. Pullman King power 2020.
225. Update CKD-MBD management. Crown plaza hotel 2020.
226. Kidneys: The next frontier for SGLT2 inhibitors after the heart. Pullman King Power 2020
227. Positioning of SGLT2i in DM. Pullman King power 2020.
228. New paradigms in treatment of anemia in CKD ,Marriott Hotel, Surawongse, 2020
229. Introduction to systematic review and meta-analysis. Faculty of medicine, Chulalongkorn university 2020.
230. Statistical analysis of meta-analysis. Faculty of medicine, Chulalongkorn university 2020.
231. Webinar: Treatment strategies of hypertension. Crown plaza hotel 2020.
232. 10 Things you should know about hyponatremia. Faculty of medicine, Chulalongkorn university 2020.
233. GLP1 antagonist. Nephrologist perspective. Crown plaza hotel 2020.
234. Evolution of SGLT2i in chronic kidney disease. Crown Plaza Bangkok 2020.
235. Incremental Hemodialysis: Why and How 18th Asian Pacific Congress of Nephrology, Hong Kong, 2020
236. Time on our side-retarding CKD progression: finding of a systematic review; Keto-Analogues in CKD webcast 2020.
237. Update CKD-MBD management: role of calcimimetics: Renaissance Pattaya Hotel 2020
238. What is challenge for renal osteodystrophy diagnosis and treatment? Renaissance Pattaya Hotel 2020

239. SGLT2i and T2DM with CKD. U khao Yai 2020
240. Management of CKD complication. Faculty of medicine, Chulalongkorn university 2020.
241. Evolution of SGLT2i in chronic kidney disease. Theptarin Hospital 2020.
242. Update of renal anemia. Bhumirajanakarindra Kidney Institute Hospital 2020.
243. Role of calcimimetic for CKD-MBD management. Empress International convention center. Chiang Mai 2020.
244. Webinar: Uremic toxin, Intensive Nephrology Board review 2020
245. Webinar: Selection of renal replacement therapy, Intensive Nephrology Board review 2020