

CURRICULUM VITAE

Pawin Numthavaj

Work Address: Department of Clinical Epidemiology and Biostatistics
Faculty of Medicine Ramathibodi Hospital,
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Bangkok 10400, Thailand.

Position: Assistant Professor

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Gender: Male

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Academic Qualifications

1992-1997 Elementary School at Bangkok Christian College

1997-2002 Secondary & High School at Bangkok Christian College,
GPA 3.98

2002-2007 M.D. at Faculty of Medicine, Ramathibodi Hospital, Mahidol
University (Second class honor), GPA 3.31

2008-2016 Ph.D. in Clinical Epidemiology (International Program) at
Faculty of Medicine, Ramathibodi Hospital, Mahidol University

2009-2012 Residency training in otorhinolaryngology at Faculty of Medicine,
Ramathibodi Hospital, Mahidol University

Work Experience (Medical)

2007-2008 General Practice doctor (Full time internship) at
Damnoensaduak Hospital, Ratchaburi, Thailand

2008-Current General Practice doctor (Part time) at Bhumibhol Adulyadej
Royal Thai Air Force Hospital, Bangkok, Thailand.

2009-Current Teaching assistant, Division of Clinical Epidemiology and
Biostatistics, Faculty of Medicine, Ramathibodi Hospital,
Bangkok, Thailand.

Work Experience (Others)

- 2007-Current Writer of technology-related community web blog at <http://www.blognone.com>.
- 2009-Current Member staff of Faculty of Medicine, Ramathibodi Hospitals' internet website project.

Awards and Honor

- Bronze Medal, Nationwide selection for International Olympiad in Informatics (IOI Computer Olympic) candidates, year 2000
- Bronze Medal, Nationwide selection for International Olympiad in Informatics (IOI Computer Olympic) candidates, year 2001
- Won second place in Ramthibodi's Medical Challenge, year 2006
- Certificate of completion of Evidence-Based Medicine & RCT Conference & Workshop 2008 by Faculty of Medicine, Ramathibodi Hospital (July 2008)
- Certificate of completion of Statistical Analysis using R course by Faculty of Science, Kasetsart University (October 2008)
- Certificate of completion of Advanced Cardiac Life Support course by Faculty of Medicine, Ramathibodi Hospital (June 2009)
- Certificate of completion of Basic Science in Otolaryngology course by the Royal College of Otolaryngologists of Thailand (August 2009)

Experience during medical training

- Head of computer club, Ramathibodi Hospital, year 2005-2006
- Involved in Public Relations for Ramathibodi Faculty Hour project, year 2005-2006
- Staff of 36th Ramathibodi annual medical meeting (May 2005)
- Staff of the 6th Asian Chapter Congress of the International Union of Angiology (November 2005)

1. Puttawong D, Mahachoklertwattana P, Numthavaj P, Woratanarat P, Pongratanakul S, Koad P, Poomthavorn P. Long-term outcomes of anti-thyroid

drug treatment in childhood-onset Graves' disease. *Clin Endocrinol (Oxf)*. 2023 Jun;98(6):823-831.

(Q2 : Impact factor=3.523)

Publications (2005 – Present)

1. Tansawet A, Siribumrungwong B, Techapongsatorn S, **Numthavaj P**, Poprom N, McKay GJ, Attia J, Thakkinstian A. Delayed versus primary closure to minimize risk of surgical-site infection for complicated appendicitis: A secondary analysis of a randomized trial using counterfactual prediction modeling. *Infect Control Hosp Epidemiol*. 2024 Mar;45(3):322-328.
2. **Numthavaj P**, Anothaisintawee T, Attia J, McKay G, Thakkinstian A. Efficacy of migraine prophylaxis treatments for treatment-naïve patients and those with prior treatment failure: a protocol for systematic review and network meta-analysis of randomised controlled trials. *BMJ Open*. 2024 Mar 1;14(3):e077916.
3. Tansawet A, **Numthavaj P**, Teza H, Pattanateepapon A, Piebpien P, Poprom N, Techapongsatorn S, McKay G, Attia J, Sumritpradit P, Thakkinstian A. External validation and revision of Penn incisional hernia prediction model: A large-scale retrospective cohort of abdominal operations. *Surgeon*. 2024 Feb;22(1):e34-e40.
4. Sirisreetreerux P, Poprom N, **Numthavaj P**, Rattanasiri S, Thakkinstian A. Efficacy of Treatment for Metastatic Hormone-Sensitive Prostate Cancer: An Umbrella Review of Systematic Reviews and Meta-Analyses. *Cancers (Basel)*. 2023 Dec 6;15(24):5714.
5. Suebsaicharoen T, Chunekamrai P, Yingchoncharoen T, Tansawet A, Issarawattana T, **Numthavaj P**, Thakkinstian A. Comparative cardiovascular outcomes of novel drugs as an addition to conventional triple therapy for heart failure with reduced ejection fraction (HFrEF): a network meta-analysis of randomized controlled trials. *Open Heart*. 2023 Nov;10(2):e002364.
6. Suthutvoravut U, Kunakorntham P, Semayai A, Tansawet A, **Pattanapruteep O**, Piebpien P, **Numthavaj P**, **Thakkinstian A**, Atiksawedparit P. Cost-effectiveness analysis of isolation strategies for asymptomatic and mild symptom COVID-19 patients. *Cost Eff Resour Alloc*. 2023 Nov 9;21(1):85.

7. Suebsaicharoen T, Chunekamrai P, Yingchoncharoen T, Tansawet A, Issarawattana T, **Numthavaj P**, **Thakkinstian A**. Comparative cardiovascular outcomes of novel drugs as an addition to conventional triple therapy for heart failure with reduced ejection fraction (HFrEF): a network meta-analysis of randomized controlled trials. *Open Heart*. 2023 Nov;10(2):e002364.
8. Tansawet A, Siribumrungwong B, Techapongsatorn S, **Numthavaj P**, Poprom N, McKay GJ, Attia J, **Thakkinstian A**. Delayed versus primary closure to minimize risk of surgical-site infection for complicated appendicitis: A secondary analysis of a randomized trial using counterfactual prediction modeling. *Infect Control Hosp Epidemiol*. 2023 Nov 6:1-7.
9. Sangariyavanich E, Ponthongmak W, Tansawet A, Theera-Ampornpant N, **Numthavaj P**, McKay G.J, Attia J, Thakkinstian A. Systematic review of natural language processing for recurrent cancer detection from electronic medical records. *Informatics in Medicine Unlocked*, 41, 2023, 101326.
10. Tansawet A, **Numthavaj P**, Teza H, Pattanateepapon A, Piebpien P, Poprom N, Techapongsatorn S, McKay G, Attia J, Sumritpradit P, Thakkinstian A. External validation and revision of Penn incisional hernia prediction model: A large- scale retrospective cohort of abdominal operations. *Surgeon*. 2023 Aug 7:S1479-666X(23)00086-0.
11. Puttawong D, Mahachoklertwattana P, **Numthavaj P**, Woratanarat P, Pongratanakul S, Koad P, Poomthavorn P. Long-term outcomes of anti-thyroid drug treatment in childhood-onset Graves' disease. *Clin Endocrinol (Oxf)*. 2023 Jun;98(6):823-831.
12. Unhapipatpong C, Polruang N, Shantavasinkul PC, Julanon N, **Numthavaj P**, Thakkinstian A. The effect of curcumin supplementation on weight loss and anthropometric indices: an umbrella review and updated meta-analyses of randomized controlled trials. *Am J Clin Nutr*. 2023 May;117(5):1005-1016.
13. Lertsirivorakul R, Makarabhirom, K, **Numthavaj P**. Nasalance scores of Thai cleft palate children using the Thai Simplified Nasometric Assessment Procedures Test (Thai SNAP Test). *Journal of Associated Medical Sciences*, 2023, 56(2), pp. 18–28.

14. Tansawet A, **Numthavaj P**, Techapongsatorn T, Techapongsatorn S, Attia J, McKay G, Thakkinstian A. Fascial Dehiscence and Incisional Hernia Prediction Models: A Systematic Review and Meta-analysis. *World J Surg.* 2022 Dec;46(12):2984-2995.
15. Eursiriwan S, Okascharoen C, Vallibhakara SA, Pattanaprteep O, **Numthavaj P**, Attia J, Thakkinstian A. Comparison of Various Pharmacologic Agents in the Management of Hemodynamically Significant Patent Ductus Arteriosus in Preterm: A Network Meta-Analysis and Risk-Benefit Analysis. *Biomed Hub.* 2022 Oct 24;7(3):125-145
16. Jongkhajornpong P, Anothaisintawee T, Lekhanont K, **Numthavaj P**, McKay G, Attia J, Thakkinstian A. Short-term Efficacy and Safety of Biological Tear Substitutes and Topical Secretagogues for Dry Eye Disease: A Systematic Review and Network Meta-analysis. *Cornea.* 2022 Sep 1;41(9):1137-1149.
17. Sapankaew T, Thadanipon K, Ruenroengbun N, Chaiyakittisopon K, Ingsathit A, **Numthavaj P**, Chaiyakunapruk N, McKay G, Attia J, Thakkinstian A. Efficacy and safety of urate-lowering agents in asymptomatic hyperuricemia: systematic review and network meta-analysis of randomized controlled trials. *BMC Nephrol.* 2022 Jun 23;23(1):223.
18. Basse PE, **Numthavaj P**, Rattanasiri S, Sritara P, McEvoy M, Ongphiphadhanakul B, Thakkinstian A. Causal association pathways between fetuin-A and kidney function: a mediation analysis. *J Int Med Res.* 2022 Apr;50(4):3000605221082874.
19. Anh NQ, **Numthavaj P**, Bhongmakapat T. Comparison of the Cerumenolytic Activities of New and Currently Used Agents. *Ear Nose Throat J.* 2022 Feb;101(2_suppl):31S-36S.
20. Srikajornlarp S, Amnueypol M, Vathesatogkit P, **Numthavaj P**, Ungkanont A, Likittanasombat K, Pattanaprteep O, Angchaisuksiri P, Boonyawat K. Effectiveness and Safety of Direct Oral Anticoagulants in Thai Patients with Atrial Fibrillation: A Real-World Retrospective Cohort Study. *Clin Appl Thromb Hemost.* 2022 Jan-Dec;28:10760296221130058.
21. Ruenroengbun N, **Numthavaj P**, Sapankaew T, Chaiyakittisopon K, Ingsathit A, McKay G, Attia J, Thakkinstian A. Efficacy and safety of conventional antiviral agents in preventive strategies for cytomegalovirus infection after kidney

- transplantation: a systematic review and network meta-analysis. *Transpl Int*. 2021 Dec;34(12):2720-2734.
22. Tansawet A, **Numthavaj P**, Techapongsatorn S, McKay G, Attia J, Pattanaprakeep O, Thakkinstian A. Risk-benefit assessment of onlay and retrorectus mesh augmentation for incisional hernia prophylaxis: A secondary analysis from network meta-analysis. *Int J Surg*. 2021 Aug;92:106053.
23. Tansawet A, **Numthavaj P**, Sumritpradit P, Techapongsatorn S, McKay G, Attia J, Thakkinstian A. Midline incisional hernia prophylaxis using synthetic mesh in an emergency or urgent gastrointestinal tract surgery: a protocol for multicentre randomised clinical trial. *BMJ Open*. 2021 Sep 3;11(9):e045541.
24. Jongkhajornpong P, **Numthavaj P**, Anothaisintawee T, Lekhanont K, Mckay G, Attia J, Thakkinstian A. Comparison of treatment efficacy between 100% platelet-rich plasma and 100% serum eye drops in moderate-to-severe dry eye disease: a randomised controlled trial protocol. *BMJ Open*. 2021 Jun 30;11(6):e048479.
25. Sirisreetreerux P, Wattanayingcharoenchai R, Rattanasiri S, Pattanaprakeep O, **Numthavaj P**, Thakkinstian A. Medical and non-medical interventions for post-operative urinary retention prevention: network meta-analysis and risk-benefit analysis. *Ther Adv Urol*. 2021 Jun 17;13:17562872211022296.
26. Boonyawat K, Chanrathammachart P, **Numthavaj P**, Nanthatanti N, Phusanti S, Phuphuakrat A, Niparuck P, Angchaisuksiri P. Correction to: Incidence of thromboembolism in patients with COVID-19: a systematic review and meta-analysis. *Thromb J*. 2020 Dec 29;18(1):39.
27. Boonyawat K, Chanrathammachart P, **Numthavaj P**, Nanthatanti N, Phusanti S, Phuphuakrat A, Niparuck P, Angchaisuksiri P. Incidence of thromboembolism in patients with COVID-19: a systematic review and meta-analysis. *Thromb J*. 2020 Nov 23;18(1):34.
28. Tansawet A, **Numthavaj P**, Techapongsatorn S, Wilasrusmee C, Attia J, Thakkinstian A. Mesh position for hernia prophylaxis after midline laparotomy: A systematic review and network meta-analysis of randomized clinical trials. *Int J Surg*. 2020 Nov;83:144-151.

29. Poprom N, **Numthavaj P**, Wilasrusmee C, Rattanasiri S, Attia J, McEvoy M, Thakkinstian A. The efficacy of antibiotic treatment versus surgical treatment of uncomplicated acute appendicitis: Systematic review and network meta-analysis of randomized controlled trial. *Am J Surg*. 2019;218(1):192-200.
30. Charakorn C, Thadanipon K, Chaijindaratana S, Rattanasiri S, **Numthavaj P**, Thakkinstian A. The association between serum squamous cell carcinoma antigen and recurrence and survival of patients with cervical squamous cell carcinoma: A systematic review and meta-analysis. *Gynecol Oncol*. 2018;150(1):190-200.
31. Tantrakul V, **Numthavaj P**, Guilleminault C, McEvoy M, Panburana P, Khaing W, Attia J, Thakkinstian A. Performance of screening questionnaires for obstructive sleep apnea during pregnancy: A systematic review and meta-analysis. *Sleep Med Rev*. 2017;36:96-106.
32. Sobhonslidsuk A, **Numthavaj P**, Wanichanuwat J, Sophonsritsuk A, Petraksa S, Pugasub A, Jittorntam P, Kongsomgan A, Roytrakul S, Phakdeekitcharoen B. Reversal of Proximal Renal Tubular Dysfunction after Nucleotide Analogue Withdrawal in Chronic Hepatitis B. *Biomed Res Int*. 2017;2017:4327385.
33. **Numthavaj P**, Bhongmakapat T, Roongpuwabaht B, Ingsathit A, Thakkinstian A. The validity and reliability of Thai Sinonasal Outcome Test-22. *Eur Arch Otorhinolaryngol*. 2017;274(1):289-95.
34. Sobhonslidsuk A, Wanichanuwat J, **Numthavaj P**, Sophonsritsuk A, Petraksa S, Pugasub A, Jittorntam P, Kongsomgan A, Roytrakul S, Phakdeekitcharoen B. Nucleotide Analogue-Related Proximal Renal Tubular Dysfunction during Long-Term Treatment of Chronic Hepatitis B: A Cross-Sectional Study. *Gastroenterol Res Pract*. 2016;2016:2952635.
35. Sansanayudh N, **Numthavaj P**, Muntham D, Yamwong S, McEvoy M, Attia J, Sritara P, Thakkinstian A. Prognostic effect of mean platelet volume in patients with coronary artery disease. A systematic review and meta- analysis. *Thromb Haemost*. 2015;114(6):1299-309.
36. **Numthavaj P**, Tanjararak K, Roongpuvapaht B, McEvoy M, Attia J, Thakkinstian A. Efficacy of Mitomycin C for postoperative endoscopic sinus surgery: a systematic review and meta-analysis. *Clin Otolaryngol*. 2013;38(3):198-207.

37. **Numthavaj P**, Thakkinstian A, Dejthevaporn C, Attia J. Corticosteroid and antiviral therapy for Bell's palsy: a network meta-analysis. *BMC Neurol.* 2011;11:1.
38. Anothaisintawee T, Attia J, Nickel JC, Thammakraisorn S, **Numthavaj P**, McEvoy M, Thakkinstian A. Management of chronic prostatitis/chronic pelvic pain syndrome: a systematic review and network meta-analysis. *JAMA.* 2011;305(1):78-86.