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Publications 2021- 2025

1. Tanayapong P, Tantrakul V, Liamsombut S, Siriyotha S, McKay G, Attia J, Thakkinstian A.
Comparative Efficacy and Safety of Multiple Wake-Promoting Agents for the Treatment of
Residual Sleepiness in Obstructive Sleep Apnea Despite Continuous Positive Airway
Pressure: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials.

- CNS Drugs. 2025 Jun;39(6):527-544.
2. Keesukphan A, Suntipap M, Thadanipon K, Boonmanunt S, Numthavaj P, McKay GJ, Attia J, **Thakkestian A**. Effects of electrical and magnetic stimulation on upper extremity function after stroke: A systematic review and network meta-analysis. PM R. 2025 May 21.
 3. Poprom N, Pattanaprathap O, Wilasrusmee C, Rattanasiri S, McKay GJ, Attia J, **Thakkestian A**. Cost utility analysis of antibiotics compared with operative treatment in uncomplicated acute appendicitis. Sci Rep. 2025 Apr 29;15(1):14963.
 4. Ratanapo S, Sukonthasarn A, Promlikitchai P, Thongplung K, **Thakkestian A**, Sansanayudh N; Thai PCI Registry Working Group. Clinical characteristics and outcomes of percutaneous coronary intervention in octogenarians: real-world data from nationwide Thai PCI registry. BMJ Open. 2025 Apr 29;15(4):e086945.
 5. Kiatchoosakun S, Chamnarnphol N, Wongwipaporn C, Pussadhamma B, Roongsangmanoon W, Siriyotha S, **Thakkestian A**, Sansanayudh N. Performance of the GRACE and the ACTION risk model in the prediction of in-hospital mortality: external validation, model revision and updating in the Thai Percutaneous Coronary Intervention Registry. Open Heart. 2025 May 21;12(1):e003027.
 6. Tanayapong P, Tantrakul V, Liamsombut S, Siriyotha S, McKay G, Attia J, **Thakkestian A**. Comparative Efficacy and Safety of Multiple Wake-Promoting Agents for the Treatment of Residual Sleepiness in Obstructive Sleep Apnea Despite Continuous Positive Airway Pressure: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials. CNS Drugs. 2025;39(6):527-44.
 7. Teh XR, Looareesuwan P, Pattanaprathap O, Pattanathapaporn A, Attia J, **Thakkestian A**. Predictive ability of visit-to-visit glucose variability on diabetes complications. BMC Med Inform Decis Mak. 2025 Mar 17;25(1):134.
 8. Sriphrapadang C, **Thakkestian A**, Chinthammit R, Nayak G. Characterization of treatment intensified (add-on to metformin) adults with type 2 diabetes in Thailand: A cross-sectional real-world study (CONVERGE). J Diabetes Investig. 2025 Jun;16(6):1010-1019.
 9. Chaiyakittisophon K, Pattanaprathap O, Ponthongmak W, Kunakorntham P, Chuasuwan A, Ingsathit A, McKay GJ, Attia J, **Thakkestian A**. Effectiveness of phosphate binders on mortality and cardiovascular disease in end-stage renal disease patients with hyperphosphatemia: a multicenter real-world cohort study. BMC Nephrol. 2025 Mar 10;26(1):131.
 10. Unhapipatpong C, Julianon N, Shantavasinkul PC, Polruang N, Numthavaj P, **Thakkestian A**.

- An Umbrella Review of Systematic Reviews and Meta-analyses of Randomized Controlled Trials Investigating the Effect of Curcumin Supplementation on Lipid Profiles. *Nutr Rev.* 2025 Mar 5;nuaf012.
11. Pornsuriyasak P, Sa-Nguansai S, Thadanipon K, Numthavaj P, McKay GJ, Attia J, **Thakkinstian A**. Regular versus as-needed treatments for mild asthma in children, adolescents, and adults: a systematic review and network meta-analysis. *BMC Med.* 2025 21;23(1):21.
 12. Wattanasukchai L, Bubphan T, Thavorncharoensap M, Youngkong S, Chaikledkaew U, **Thakkinstian A**. Cost Effectiveness of Catheter Ablation Versus Antiarrhythmic Drugs for Atrial Fibrillation: A Systematic Review and Meta-analysis. *Am J Cardiovasc Drugs.* 2025 Mar;25(2):169-189.
 13. Kongmalai T, Prawjaeng J, Hadnorntun P, Leelahavarong P, Chaikledkaew U, **Thakkinstian A**, Srinonprasert V. Cost-Utility and Budget Impact Analysis of Adding SGLT-2 Inhibitors to Standard Treatment in Type 2 Diabetes Patients with Heart Failure: Utilizing National Database Insights from Thailand. *Pharmacoecon Open.* 2025 Jan;9(1):69-81.
 14. Lolak S, Attia J, McKay GJ, **Thakkinstian A**. Application of Dragonnet and Conformal Inference for Estimating Individualized Treatment Effects for Personalized Stroke Prevention: Retrospective Cohort Study. *JMIR Cardio.* 2025 Jan 8;9:e50627.
 15. Limotai C, Jirasakuldej S, Wongwiangiunt S, Tumnark T, Suwanpakdee P, Wangponpattanasiri K, Rakchue P, Tungkasereerak C, Pleumpanupatand P, Tansuhaj P, Ekkachon P, Kittipanprayoon S, Kerddonfag A, Pobsuk T, Pattanateepapon A, Phanthumchinda K, Suwanwela NC, Thaipsisuttikul I, Boonyapisit K, Ingsathit A, Pattanapruteep O, Attia J, McKay GJ, Rossetti AO, **Thakkinstian A**, Rukrung C, Kangsanant P, Mokkaew J, Phayaph N, Pukpraman S, Ritthathon W, Jarungjitapinan Y, Pinradab J, Khamhoi N, Nookaew M, Chauywang P, Rojdmapiyakorn P, Sribussara P, Tinroongroj W, Teeratantikanon W, Chongsuvivatwong T, Viratyaporn W, Jantararotai W, Panyawattanakit K, Rujirarongrueng N, Damthong P, Udom P, Siengsuwan M, Phonprasori P, Wanmuang K, Unwanatham N, Rattanasiri S, Thadanipon K, Noivong P, Pitipanyakul S, Rattanachaisit W, Muangthong W, Wittayawisawasakul R, Deerassamee S, Ruayruen W, Homgrunjarut S, Deerassamee S, Ledprased Y, Pankong M, Rattanayuvakorn P. Efficacy of delivery of care with Tele-continuous EEG in critically ill patients: a multicenter randomized controlled trial (Tele- cRCT study) study. *Crit Care.* 2025 Jan 7;29(1):15.
 16. Hunsuwan S, Boongird S, Ingsathit A, Ponthongmak W, Unwanatham N, McKay GJ, Attia J,

- Thakkestian A.** Real-world effectiveness and safety of sodium-glucose co-transporter 2 inhibitors in chronic kidney disease. *Sci Rep.* 2025 Jan11;15(1):1667.
17. Amornritvanich P, Anothaisintawee T, Attia J, McKay GJ, **Thakkestian A.** Efficacy of Mineralocorticoid Receptor Antagonists on Kidney and Cardiovascular Outcomes in Patients With Chronic Kidney Disease: An Umbrella Review. *Kidney Med.* 2024 Dec 13;7(2):100943.
 18. Nguyen HT, Chaikledkaew U, Hoang MV, Tran VQ, Thavorncharoensap M, Praditsitthikorn N, Tran QD, **Thakkestian A.** Economic evaluation of tenofovir disoproxil fumarate prophylaxis to prevent mother-to-child transmission of Hepatitis B virus infection: evidence from a lower-middle income country. *BMC Health Serv Res.* 2024 Dec 28;24(1):1658.
 19. Jongkhajornpong P, Lekhanont K, Rattanasiri S, Pisitkun P, **Thakkestian A.** Comparison of Corneal Epitheliotropic Factors of Undiluted Autologous Platelet- Rich Plasma and Autologous Serum Eye Drops for Dry Eye Disease. *Ophthalmol Ther.* 2024 Dec 20. *Ophthalmol Ther.* 2025 Feb;14(2):363-377.
 20. Kongmalai T, Tansawet A, Pattanapruteep O, Ratanatharathorn C, Amornritvanich P, Looareesuwan P, Boonwatcharapai B, Khunakorncharatphong A, Nimitphong H, Srinonprasert V, **Thakkestian A.** Can SGLT-2 inhibitors improve cardiovascular outcomes and ensure safety for patients with type 2 diabetes and heart failure in Thailand? A real-world multicentre retrospective cohort study. *BMJ Open.* 2024 Dec 12;14(12):e090226.
 21. Chandavimol M, Limpijankit T, Srimahachota S, Buddhari W, Tantisiriwat W, Kiatchoosakun S, Pitaksuteepong T, Siriyotha S, **Thakkestian A,** Sansanayudh N. Retrospective Analysis of the Thai Percutaneous Coronary Intervention Registry: Impacts of Center Volume and Operator Experience on Outcomes. *Catheter Cardiovasc Interv.* 2025 Feb;105(2):442-455.
 22. Wiwatthanasetthakarn P, Ponthongmak W, Looareesuwan P, Tansawet A, Numthavaj P, McKay GJ, Attia J, **Thakkestian A.** Development and Validation of a Literature Screening Tool: Few-Shot Learning Approach in Systematic Reviews. *J Med Internet Res.* 2024 Dec 11;26:e56863.
 23. Noparatayaporn P, Thavorncharoensap M, Chaikledkaew U, Looareesuwan P, Shantavasinkul PC, Sumritpradit P, **Thakkestian A.** Cost-utility and budget impact analysis of laparoscopic bariatric surgery for obesity with Type II Diabetes Mellitus in Thailand. *PLoS One.* 2024 Dec 10;19(12):e0315336.
 24. Piebpien P, Tansawet A, Pattanapruteep O, Pattanateepapon A, Wilasrusmee C, Mckay GJ, Attia J, **Thakkestian A.** Can machine learning models improve the prediction of surgical site infection in abdominal surgery than traditional statistical models? *J Int Med Res.* 2024

Nov;52(11):3000605241293696.

25. Siriyotha S, Anothaisintawee T, Looareesuwan P, Nimitphong H, McKay GJ, Attia J, **Thakkestian A**. Effectiveness of glucagon-like peptide-1 receptor agonists for reduction of body mass index and blood glucose control in patients with type 2 diabetes mellitus and obesity: A retrospective cohort study and difference-in- difference analysis. *BMJ Open*. 2024 Nov 24;14(11):e086424.
26. Tansawet A, Looareesuwan P, Teza H, Boongird S, McKay GJ, Attia J, Pattanaprathap O, **Thakkestian A**. Effects of sodium-glucose cotransporter-2 inhibitors on chronic kidney disease progression: a multi-state survival model. *Diabetol Metab Syndr*. 2024 Nov 23;16(1):281.
27. Piebpien P, Tansawet A, Pattanaprathap O, Pattanaprathap A, Wilasrusmee C, McKay GJ, Attia J, **Thakkestian A**. Can machine learning models improve the prediction of surgical site infection in abdominal surgery than traditional statistical models? *J Int Med Res*. 2024 Nov;52(11):3000605241293696.
28. Jongkhajornpong P, Lekhanont K, Rattanasiri S, Numthavaj P, McKay G, Attia J, **Thakkestian A**. Efficacy of 100% autologous platelet-rich plasma and 100% autologous serum in dry eye disease: a randomised controlled trial. *BMJ Open Ophthalmol*. 2024 Oct 8;9(1):e001857.
29. Nyokabi P, Youngkong S, Bagepally BS, Okech T, Chaikledkaew U, McKay GJ, Attia J, **Thakkestian A**. Author Correction: A systematic review and quality assessment of economic evaluations of kidney replacement therapies in end-stage kidney disease. *Sci Rep*. 2024 Oct 31;14(1):26234.
30. Karnjanapiboonwong A, Chaikledkaew U, Anothaisintawee T, Praditsitthikorn N, Dejthevaporn C, **Thakkestian A**. Cost-utility analysis of home blood pressure measurement for screening and diagnosis of hypertension through village health volunteer mechanism in Thailand. *PLoS One*. 2024 Oct 24;19(10):e0308851.
31. Porapakham P, Porapakham P, Srimahachota S, Limpjankit T, Kiatchoosakun S, Chandavimol M, Kanoksilp A, Chantadansuwan T, **Thakkestian A**, Sansanayudh N. The contemporary management and coronary angioplasty outcomes in young patients with ST-Elevation myocardial infarction (STEMI) age < 40 years old: the insight from nationwide Thai PCI registry. *BMC Cardiovasc Disord*. 2024 Oct 10;24(1):548.
32. Nyokabi P, Youngkong S, Bagepally BS, Okech T, Chaikledkaew U, McKay GJ, Attia J, **Thakkestian A**. A systematic review and quality assessment of economic evaluations of kidney replacement therapies in end-stage kidney disease. *Sci Rep*. 2024 Oct 3;14(1):23018.

- Rep. 2024 Oct 31;14(1):26234.
33. Aramruang T, Malhotra A, Numthavaj P, Looareesuwan P, Anothaisintawee T, Dejthevaporn C, Sirirutbunkajorn N, Attia J, **Thakkestian A**. Prediction models for identifying medication overuse or medication overuse headache in migraine patients: a systematic review. *J Headache Pain*. 2024 Oct 4;25(1):165.
 34. Siriyotha S, Lukkunaprasit T, Looareesuwan P, Kunakorntham P, Anothaisintawee T, Nimitphong H, McKay GJ, Attia J, **Thakkestian A**. Individual treatment effects of sodium-glucose co-transporter-2 inhibitors on the risk of chronic kidney disease in patients with type 2 diabetes: A counterfactual prediction model based on real-world data. *Diabetes Obes Metab*. 2024 Oct;26(10):4418-4428.
 35. Suraarunsumrit P, Srinonprasert V, Kongmalai T, Suratewat S, Chaikledkaew U, Rattanasiri S, McKay G, Attia J, **Thakkestian A**. Outcomes associated with postoperative cognitive dysfunction: a systematic review and meta-analysis. *Age Ageing*. 2024 Jul 2;53(7):afae160.
 36. Chuncharunee A, Oranratnachai S, Chuncharunee L, Intaraprasong P, **Thakkestian A**, Sobhonslidsuk A. Long-term posttransplant survival outcome following bridging locoregional therapy in hepatocellular carcinoma patients: A systematic review and meta-analysis. *JGH Open*. 2024 Jul 8;8(7):e13111.
 37. Gurav YK, Bagepally BS, Chitpim N, Sobhonslidsuk A, Gupte MD, Chaikledkaew U, **Thakkestian A**, Thavorncharoensap M. Cost-effective analysis of hepatitis A vaccination in Kerala state, India. *PLoS One*. 2024 Jun 27;19(6):e0306293.
 38. Limpijankit T, Jongjirasiri S, Meemook K, Unwanatham N, Rattanasiri S, **Thakkestian A**, Laothamatas J. Impact of coronary CT angiography in selection of treatment modalities and subsequent cardiovascular events in Thai patients with stable CAD. *Clin Res Cardiol*. 2024 Mar;113(3):433-445.
 39. Tansawet A, Siribumrungwong B, Techapongsatorn S, Numthavaj P, Poprom N, McKay GJ, Attia J, **Thakkestian 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.
 40. Numthavaj P, Anothaisintawee T, Attia J, McKay G, **Thakkestian 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.
 41. Gloria MAJ, Thavorncharoensap M, Chaikledkaew U, Youngkong S, **Thakkestian A**,

- Chaiyakunapruk N, Ochalek J, Culyer AJ. Systematic review of the impact of health care expenditure on health outcome measures: implications for cost- effectiveness thresholds. *Expert Rev Pharmacoecon Outcomes Res.* 2024 Feb;24(2):203-215.
42. 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.
 43. Chichareon P, Chamnarnphol N, Chandavimol M, Suwannasom P, Roongsangmanoon W, Limpijankit T, Srimahachota S, Athisakul S, Hutayanon P, Kiatchoosakun S, Udayachalerm W, **Thakkinstian A**, Sansanayudh N. Updated CRUSADE score to predict in-hospital bleeding: External validation in the Thai percutaneous coronary intervention registry. *Catheter Cardiovasc Interv.* 2024 Feb;103(2):268-275.
 44. 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.
 45. Nitiwarangkul L, Hongku N, Pattanapratchee O, Rattanasiri S, Woratanarat P, **Thakkinstian A**. Which approach of total hip arthroplasty is the best efficacy and least complication? *World J Orthop.* 2024 Jan 18;15(1):73-93.
 46. 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.
 47. Teza H, Pattanateepapon A, Lertpimonchai A, Vathesatogkit P, J McKay G, Attia J, **Thakkinstian A**. Development of Risk Prediction Models for Severe Periodontitis in a Thai Population: Statistical and Machine Learning Approaches. *JMIR Form Res.* 2023 Dec 14;7:e48351.
 48. Jongraksak T, Chuncharunee A, Intaraprasong P, Tansawet A, **Thakkinstian A**, Sobhonslidsuk A. Outcomes of direct-acting antivirals in patients with HCV decompensated cirrhosis: a systematic review and meta-analysis. *Front Med (Lausanne).* 2023 Nov 29;10:1295857.
 49. Siriyotha S, Pattanapratchee O, Srimahachota S, Sansanayudh N, **Thakkinstian A**, Limpijankit T. Factors associated with health-related quality of life in patients undergoing percutaneous coronary intervention: Thai PCI registry. *Front Cardiovasc Med.* 2023 Nov 8;10:1260993.

50. Tiansuwan N, Sasiprapha T, Jongjirasiri S, Unwanatham N, **Thakkestian A**, Laothamatas J, Limpijankit T. Utility of coronary artery calcium in refining 10-year ASCVD risk prediction using a Thai CV risk score. *Front Cardiovasc Med*. 2023 Nov 2;10:1264640.
51. Rainey A, McKay GJ, English J, **Thakkestian A**, Maxwell AP, Corr M. Proteomic analysis investigating kidney transplantation outcomes- a scoping review. *BMC Nephrol*. 2023 Nov 22;24(1):346.
52. Suebsaicharoen T, Chunekamrai P, Yingchoncharoen T, Tansawet A, Issarawattana T, Numthavaj P, **Thakkestian 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.
53. Aungsumart S, Turongkaravee S, Youngkong S, Apiwattanakul M, **Thakkestian A**, Chaikledkaew U. Rituximab for the treatment of relapsing-remitting multiple sclerosis in Thailand: an economic evaluation and budget impact analysis. *BMC Health Serv Res*. 2023 Oct 13;23(1):1096.
54. Champasri K, Srimahachota S, Chandavimol M, Udayachalerm W, **Thakkestian A**, Sookananchai B, Phatharajaree W, Kiatchoosakun S, Sansanayudh N. Door-to-device time and mortality in patients with ST-elevation myocardial infarction treated with primary percutaneous coronary intervention: insight from real world data of Thai PCI Registry. *Cardiovasc Diagn Ther*. 2023 Oct 31;13(5):843-854.
55. Suthutvoravut U, Anothaisintawee T, Boonmanunt S, Pramyothin S, Siriyothin S, Attia J, McKay GJ, Reutrakul S, **Thakkestian A**. Efficacy of Time-Restricted Eating and Behavioral Economic Intervention in Reducing Fasting Plasma Glucose, HbA1c, and Cardiometabolic Risk Factors in Patients with Impaired Fasting Glucose: A Randomized Controlled Trial. *Nutrients*. 2023 Sep 30;15(19):4233.
56. Boonmanunt S, Pattanapratchep O, Ongphiphadhanakul B, McKay G, Attia J, Vlaev I, **Thakkestian A**. Evaluation of the Effectiveness of Behavioral Economic Incentive Programs for Goal Achievement on Healthy Diet, Weight Control and Physical Activity: A Systematic Review and Network Meta-analysis. *Ann Behav Med*. 2023 Apr 12;57(4):277-287.
57. Tansawet A, Siribumrungwong B, Techapongsatorn S, Numthavaj P, Poprom N, McKay GJ, Attia J, **Thakkestian 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.

58. Limpijankit T, Jongjirasiri S, Meemook K, Unwanatham N, Rattanasiri S, **Thakkestian A**, Laothamatas J. Impact of coronary CT angiography in selection of treatment modalities and subsequent cardiovascular events in Thai patients with stable CAD. *Clin Res Cardiol*. 2023 Oct 4.
59. Suthutvoravut U, Kunakorntham P, Semayai A, Tansawet A, Pattanapratchep O, Piebpien P, Numthavaj P, **Thakkestian 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.
60. Sangariyavanich E, Ponthongmak W, Tansawet A, Theera-Ampornpant N, Numthavaj P, McKay G.J, Attia J, **Thakkestian A**. Systematic review of natural language processing for recurrent cancer detection from electronic medical records. *Informatics in Medicine Unlocked*, 41, 2023, 101326.
61. Yoopetch P, Anothaisintawee T, Gunasekara ADM, Jittikoon J, Udomsinprasert W, Thavorncharoensap M, Youngkong S, **Thakkestian A**, Chaikledkaew U. Efficacy of anti-tuberculosis drugs for the treatment of latent tuberculosis infection: a systematic review and network meta-analysis. *Sci Rep*. 2023 Sep 27;13(1):16240.
62. Seanglelulur A, **Thakkestian A**, Supaopaspan W, Kwankua A, Sukkasem W, Kunawudhi A, Soonthornkes N, Limpavitayaporn P, Sirisreetreerux P, Saiphoklang N, Attia J, McKay G, Phongkitkarun S, Okascharoen C. Optimizing the Yield of Abnormal Preoperative Chest Radiographs in Elective Non-cardiothoracic Surgery: Development of a Risk Prediction Score and External Validation. *World J Surg*. 2023 Sep 6.
63. Tansawet A, Numthavaj P, Teza H, Pattanateepapon A, Piebpien P, Poprom N, Techapongsatorn S, McKay G, Attia J, Sumritpradit P, **Thakkestian 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.
64. Lolak S, Attia J, McKay GJ, **Thakkestian A**. Comparing Explainable Machine Learning Approaches With Traditional Statistical Methods for Evaluating StrokeRisk Models: Retrospective Cohort Study. *JMIR Cardio*. 2023 Jul 26;7:e47736.
65. Pathomwichaiwat T, Jinatongthai P, Prommasut N, Ampornwong K, Rattanavipanon W, Nathisuwan S, **Thakkestian A**. Effects of turmeric (*Curcuma longa*) supplementation on glucose metabolism in diabetes mellitus and metabolic syndrome: An umbrella review and updated meta-analysis. *PLoS One*. 2023 Jul 20;18(7):e0288997.
66. Kongmalai T, Srinonprasert V, Anothaisintawee T, Kongmalai P, McKay G, Attia J,

- Thakkestian A.** New anti-diabetic agents for the treatment of non-alcoholic fatty liver disease: a systematic review and network meta-analysis of randomized controlled trials. *Front Endocrinol (Lausanne)*. 2023 Jun 27;14:1182037.
67. Roongsangmanoon W, Wongsoasup A, Chichareon P, Suwannasom P, Chandavimol M, Limpijankit T, Srimahachota S, Hutayanon P, Kiatchoosakun S, Siriwiwatnakul N, Promlikitchai P, Siriyotha S, **Thakkestian A**, Sansanayudh N. Validation of the academic research consortium high bleeding risk definition in Thai PCI registry. *Int J Cardiol*. 2023 Jul 8:131167.
 68. Tantrakul V, Ingsathit A, Liamsombut S, Rattanasiri S, Kittivoravitkul P, Imsom-Somboon N, Lertpongpiroon S, Jantarsaengaram S, Somchit W, Suwansathit W, Pengjam J, Siriyotha S, Panburana P, Guilleminault C, Preutthipan A, Attia J, **Thakkestian A**. Treatment of obstructive sleep apnea in high risk pregnancy: a multicenter randomized controlled trial. *Respir Res*. 2023 Jun 27;24(1):171.
 69. Rattanawong P, Mattanapojanat N, Mead-Harvey C, Van Der Walt C, Kewcharoen J, Kanitsoraphan C, Vutthikraivit W, Prasitlunkum N, Putthapiban P, Chintanavilas K, Sahasthas D, Ngarmukos T, **Thakkestian A**, Sorajja D, Makarawate P, Shen WK. Predicting arrhythmic event score in Brugada syndrome: Worldwide pooled analysis with internal and external validation. *Heart Rhythm*. 2023 Jun 23:S1547-5271(23)02398-6.
 70. Teza H, Boonmanunt S, Unwanatham N, Thadanipon K, Limpijankit T, Pattanapruteep O, Pattanateepaporn A, McKay GJ, Attia J, **Thakkestian A**. Evaluation of transitions from early hypertension to hypertensive chronic kidney disease, coronary artery disease, stroke and mortality: a Thai real-world data cohort. *Front Cardiovasc Med*. 2023 May 2;10:1170010.
 71. Laohajaroensombat S, Prusmetikul S, Rattanasiri S, **Thakkestian A**, Woratanarat P. Platelet-rich plasma injection for the treatment of ankle osteoarthritis: a systematic review and meta-analysis. *J Orthop Surg Res*. 2023 May 19;18(1):373.
 72. Unhapipatpong C, Polruang N, Shantavasinkul PC, Julianon N, Numthavaj P, **Thakkestian 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.
 73. Lukkunaprasit T, Tansawet A, Boonmanunt S, Sobhonslidsuk A, McKay GJ, Attia J, **Thakkestian A**. An updated meta-analysis of effects of curcumin on metabolic dysfunction-associated fatty liver disease based on available evidence from Iran and Thailand. *Sci Rep*. 2023 Apr 10;13(1):5824.

74. Syeed MS, Ghule P, Le LM, Veettil SK, Horn EK, Perdrizet J, Wasserman M, **Thakkestian A**, Chaiyakunapruk N. Pneumococcal Vaccination in Children: A Systematic Review and Meta-Analysis of Cost-Effectiveness Studies. *Value Health*. 2023 Apr;26(4):598-611.
75. Aungsumart S, Youngkong S, Dejthevaporn C, Chaikledkaew U, Thadanipon K, Tansawet A, Khieukhajee J, Attia J, McKay GJ, **Thakkestian A**. Efficacy and safety of monoclonal antibody therapy in patients with neuromyelitis optica spectrum disorder: A systematic review and network meta-analysis. *Front Neurol*. 2023 Apr 4;14:1166490.
76. Veettil SK, Vincent V, Shufelt T, Behan E, Syeed MS, **Thakkestian A**, Young DC, Chaiyakunapruk N. Incremental net monetary benefit of biologic therapies in moderate to severe asthma: a systematic review and meta-analysis of economic evaluation studies. *J Asthma*. 2023 Mar 16:1-13.
77. Oranratnachai S, Rattanasiri S, Sirachainan E, Tansawet A, Raunroadroong N, McKay GJ, Attia J, **Thakkestian A**. Treatment outcomes of advanced hepatocellular carcinoma in real-life practice: Chemotherapy versus multikinase inhibitors. *Cancer Med*. 2023 Feb;12(3):3046-3053.
78. Roongsangmanoon W, Chichareon P, Angkananard T, Suwannasom P, Chandavimol M, Limpijankit T, Srimahachota S, Athisakul S, Hutayanon P, Kiatchoosakun S, Thanakitcharu P, Charoenpanichsunti M, Chamsaard P, Siriyotha S, **Thakkestian A**, Sansanayudh N. External Validation of the ACUITY/HORIZON Bleeding Risk Score among Acute Coronary Syndrome Patients in Thai PCI Registry. *Thromb Haemost*. 2023 Feb;123(2):255-266.
79. Suwannasom P, Chichareon P, Roongsangmanoon W, Thongtanomkul A, Wongpen A, Muenkaew M, Kanoksilp A, Chandavimol M, Kuanprasert S, **Thakkestian A**, Srimahachota S, Sansanayudh N. Author Correction: Impact of the adjunctive use criteria for intravascular ultrasound-guided percutaneous coronary intervention and clinical outcomes. *Sci Rep*. 2023 Feb 2;13(1):1916.
80. Siriyotha S, Lukkunaprasit T, Angkananard T, Looareesuwan P, McKay GJ, Attia J, **Thakkestian A**. Clinical effectiveness of second-line antihyperglycemic drugs on major adverse cardiovascular events: An emulation of a target trial. *Front Endocrinol (Lausanne)*. 2023 Jan 30;14:1094221.
81. Duong KNC, Tan CJ, Rattanasiri S, **Thakkestian A**, Anothaisintawee T, Chaiyakunapruk N. Comparison of diagnostic accuracy for diabetes diagnosis: A systematic review and network meta-analysis. *Front Med (Lausanne)*. 2023 Jan 24;10:1016381.
82. Patathong T, Klaewkasikum K, Woratanarat P, Rattanasiri S, Anothaisintawee T, Woratanarat

- T, **Thakkestian** A. The efficacy of gait rehabilitations for the treatment of incomplete spinal cord injury: a systematic review and network meta-analysis. *J Orthop Surg Res.* 2023 Jan 23;18(1):60.
83. Gurav YK, Bagepally BS, **Thakkestian** A, Chaikledkaew U, Thavorncharoensap M. Economic evaluation of hepatitis A vaccines by income level of the country: A systematic review. *Indian J Med Res.* 2023 Jan 11.
 84. Ponthongmak W, Thammasudjarit R, McKay GJ, Attia J, Theera-Ampornpant N, **Thakkestian** A. Development and external validation of automated ICD-10 coding from discharge summaries using deep learning approaches. *Informatics in Medicine Unlocked*, 2023, 38, 101227.
 85. Tansawet A, Numthavaj P, Techapongsatorn T, Techapongsatorn S, Attia J, McKay G, **Thakkestian** A. Fascial Dehiscence and Incisional Hernia Prediction Models: A Systematic Review and Meta-analysis. *World J Surg.* 2022 Dec;46(12):2984-2995.
 86. Siriyotha S, Lukkunaprasit T, Looareesuwan P, Nimitphong H, McKay GJ, Attia J, **Thakkestian** A. Effects of second-line antihyperglycemic drugs on the risk of chronic kidney disease: applying a target trial approach to a hospital-based cohort of Thai patients with type 2 diabetes. *Cardiovasc Diabetol.* 2022 Nov 17;21(1):248.
 87. Assanatham M, Pattanaprateep O, Chuasuwan A, Vareesangthip K, Supasyndh O, Lumpaopong A, Susantitaphong P, Limkunakul C, Ponthongmak W, Chaiyakittisophon K, **Thakkestian** A, Ingsathit A. Economic evaluation of peritoneal dialysis and hemodialysis in Thai population with End-stage Kidney Disease. *BMC Health Serv Res.* 2022 Nov 21;22(1):1384.
 88. Limpjankit T, Jongjirasiri S, Meemook K, Unwanatham N, **Thakkestian** A, Laothamatas J. Predictive values of coronary artery calcium and arterial stiffness for long-term cardiovascular events in patients with stable coronary artery disease. *Clin Cardiol.* 2022 Nov 29.
 89. Roongsangmanoon W, Chichareon P, Angkananard T, Suwannasom P, Chandavimol M, Limpjankit T, Srimahachota S, Athisakul S, Hutayanon P, Kiatchoosakun S, Thanakitcharuh P, Charoenpanichsuntii M, Chamsaard P, Siriyotha S, **Thakkestian** A, Sansanayudh N. External validation of ACUITY/HORIZON bleeding risk score among acute coronary syndrome patients in Thai PCI Registry. *Thromb Haemost.* 2022 Oct 20.
 90. Eursiriwan S, Okascharoen C, Vallibhakara SA, Pattanaprateep O, Numthavaj P, Attia J, **Thakkestian** 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
91. Jongkhajornpong P, Anothaisintawee T, Lekhanont K, Numthavaj P, McKay G, Attia J, **Thakkestian 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.
 92. Klaewkasikum K, Patathong T, Woratanarat P, Woratanarat T, Thadanipon K, Rattanasiri S, **Thakkestian A**. Efficacy of conservative treatment for spastic cerebral palsy children with equinus gait: a systematic review and meta-analysis. *J Orthop Surg Res*. 2022 Sep 8;17(1):411.
 93. Techapongsatorn S, Tansawet A, Pattanaprateep O, Attia J, McKay GJ, **Thakkestian A**. Cost-effectiveness analysis of mesh fixation techniques for laparoscopic and open inguinal hernia surgeries. *BMC Health Serv Res*. 2022 Sep 6;22(1):1125.
 94. Kunakorntham P, Pattanaprateep O, Dejthevaporn C, Thammasudjarit R, **Thakkestian A**. Detection of statin-induced rhabdomyolysis and muscular related adverse events through data mining technique. *BMC Med Inform Decis Mak*. 2022 Sep 5;22(1):233.
 95. Suthutvoravut U, Anothaisintawee T, Boonmanunt S, Pramyothin S, Chaithanasarn A, Reutrakul S, **Thakkestian A**. Efficacy of time-restricted eating and behavioural economic interventions in reducing fasting plasma glucose, HbA1c and cardiometabolic risk factors compared with time-restricted eating alone or usual care in patients with impaired fasting glucose: protocol for an open-label randomised controlled trial. *BMJ Open*. 2022 Sep 20;12(9):e058954.
 96. Nguyen HT, Thavorncharoensap M, Phung TL, Anothaisintawee T, Chaikledkaew U, Sobhonslidsuk A, Talungchit P, Chaiyakunapruk N, Attia J, McKay GJ, **Thakkestian A**. Comparative efficacy and safety of pharmacologic interventions to prevent mother-to-child transmission of hepatitis B virus: a systematic review and network meta-analysis. *Am J Obstet Gynecol*. 2022 Aug;227(2):163-172.
 97. Limpijankit T, Chandavimol M, Srimahachota S, Kanoksilp A, Jianmongkol P, Siriyotha S, **Thakkestian A**, Buddhari W, Sansanayudh N. Dose-dependent effect of impaired renal function on all-cause mortality in patients following percutaneous coronary intervention. *Clin Cardiol*. 2022 Aug;45(8):882-891
 98. Veettil SK, Harris J, Syeed MS, **Thakkestian A**, Chaikledkaew U, Witt DM, Chaiyakunapruk N. Incremental net monetary benefit of direct oral anticoagulants for the prevention of venous thromboembolism after total knee or hip replacement: A systematic review and meta-analysis.

- Thromb Res. 2022 Aug;216:74-83.
99. Vitoopinyoparb K, Insin P, Thadanipon K, Rattanasiri S, Attia J, McKay G, **Thakkestian A**. Comparison of doses and injection sites of botulinum toxin for chronic anal fissure: A systematic review and network meta-analysis of randomized controlled trials. *Int J Surg*. 2022 Aug;104:106798.
 100. Noviyani R, Youngkong S, Nathisuwan S, Bagepally BS, Chaikledkaew U, Chaiyakunapruk N, McKay G, Sritara P, Attia J, **Thakkestian A**. Economic evaluation of direct oral anticoagulants (DOACs) versus vitamin K antagonists (VKAs) for stroke prevention in patients with atrial fibrillation: a systematic review and meta-analysis. *BMJ Evid Based Med*. 2022 Aug;27(4):215-223.
 101. Dilokthornsakul P, Veettil SK, Lan LM, **Thakkestian A**, Hutubessy R, Lambach P, Chaiyakunapruk N. Combining cost-effectiveness results into a single measurement: What is the value?: Authors response. *EClinicalMedicine*. 2022 Jul 15;51:101565.
 102. Saputro SA, Pattanateepapon A, Pattanapruteep O, Aekplakorn W, McKay GJ, Attia J, **Thakkestian A**. External validation of prognostic models for chronic kidney disease among type 2 diabetes. *J Nephrol*. 2022 Jul;35(6):1637-1653.
 103. Sansanayudh N, Chandavimol M, Srimahachota S, Limpijankit T, Hutayanon P, Kiatchoosakun S, Kuanprasert S, Chamnarnphol N, Athisakul S, Kehasukcharoen W, Kanoksilp A, Roongsangmanoon W, Jianmongkol P, Ngamjanyaporn P, Wongphen A, Piyayotai D, Tassanawiwat W, Kanjanarutjawiwat W, Krittayaphong R, Kunjara Na Ayudhya R, Sritara P, Budhari W, **Thakkestian A**, Udayachalerm W. Patient Characteristics, Procedural Details, and Outcomes of Contemporary Percutaneous Coronary Intervention in Real-World Practice: Insights from Nationwide Thai PCI Registry. *J Interv Cardiol*. 2022 Jul 12;2022:5839834.
 104. Techapongsatorn S, Tansawet A, Pattanapruteep O, Attia J, McKay GJ, **Thakkestian A**. Mesh-fixation technique for inguinal hernia repair: umbrella review. *BJS Open*. 2022 Jul 7;6(4):zrac084.
 105. Sadoyu S, Tanni KA, Punrum N, Paengtraai S, Kategaew W, Promchit N, Lai NM, **Thakkestian A**, Ngorsuraches S, Bangpan M, Veettil S, Chaiyakunapruk N. Methodological approaches for assessing certainty of the evidence in umbrella reviews: A scoping review. *PLoS One*. 2022 Jun 8;17(6):e0269009.
 106. Sapankaew T, Thadanipon K, Ruenroengbun N, Chaiyakittisophon K, Ingsathit A, Numthavaj P, Chaiyakunapruk N, McKay G, Attia J, **Thakkestian 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.
107. Phuphuakrat A, Pasomsub E, Srichatrapimuk S, Kirdlarp S, Suksatu A, Srisaowakarn C, Manopwisedjaroen S, Ludowyke N, Purwono PB, Priengprom T, Wongs A, **Thakkinstian A**, Hongeng S, Malathum K, Thitithanyanont A, Tassaneetrithep B. Detectable Duration of Viable SARS-CoV-2, Total and Subgenomic SARS-CoV-2 RNA in Noncritically Ill COVID-19 Patients: a Prospective Cohort Study. *Microbiol Spectr.* 2022 Jun 29;10(3):e0050322.
 108. Hu J, Xu Z, Ye Z, Li J, Hao Z, Wang Y. The association between single nucleotide polymorphisms and ovarian cancer risk: A systematic review and network meta-analysis. *Cancer Med.* 2022 May 30.
 109. Ghosh AK, Thammasudjarit R, Jongkhajornpong P, Attia J, **Thakkinstian A**. Deep Learning for Discrimination Between Fungal Keratitis and Bacterial Keratitis: DeepKeratitis. *Cornea.* 2022 May 1;41(5):616-622.
 110. Watcharananan SP, Jaru-Ampornpan P, Sahawongcharoen S, Naitook N, Himananto O, Jongkaewwattana A, Setthaudom C, Rattanasiri S, Phuphuakrat A, **Thakkinstian A**, Mavichak V; Praram 9-BIOTEC-Ramathibodi COVID-19 Vaccine Study Group. Comparison of the immunogenicity of ChAdOx1 nCoV-19 vaccine against the wild-type and delta variants in kidney transplant recipients and healthy volunteers. *Am J Transplant.* 2022 May;22(5):1459-1466.
 111. Limpijankit T, Chandavimol M, Srimahachota S, Siriyotha S, **Thakkinstian A**, Krittayaphong R, Sansanayudh N. No Paradoxical Effect of Smoking Status on Recurrent Cardiovascular Events in Patients Following Percutaneous Coronary Intervention: Thai PCI Registry. *Front Cardiovasc Med.* 2022 May 27;9:888593.
 112. Bassey 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.
 113. Limpijankit T, Jongjirasiri S, Unwanatham N, Rattanasiri S, **Thakkinstian A**, Laothamatas J. Causal Relationship of Coronary Artery Calcium on Myocardial Infarction and Preventive Effect of Antiplatelet Therapy. *Front Cardiovasc Med.* 2022 Apr 27;9:871267.
 114. Dilokthornsakul P, Lan LM, **Thakkinstian A**, Hutubessy R, Lambach P, Chaiyakunapruk N. Economic evaluation of seasonal influenza vaccination in elderly and health workers: A systematic review and meta-analysis. *EClinicalMedicine.* 2022 Apr 21;47:101410.

115. Kong Y, Zheng J, Li L, Lu L, Wang J. Association of MTHFR Polymorphisms with H-Type Hypertension: A Systemic Review and Network Meta-Analysis of Diagnostic Test Accuracy. *Int J Hypertens*. 2022 Mar 22;2022:2861444.
116. Limpijankit T, Vathesatogkit P, Matchariyakul D, Wiriyanakorn S, Siriyotha S, **Thakkinstian A**, Sritara P. Causal relationship of excess body weight on cardiovascular events through risk factors. *Sci Rep*. 2022 Mar 28;12(1):5269.
117. Nguyen HT, Thavorncharoensap M, Phung TL, Anothaisintawee T, Chaikledkaew U, Sobhonslidsuk A, Talungchit P, Chaiyakunapruk N, Attia J, McKay GJ, **Thakkinstian A**. Comparative efficacy and safety of pharmacologic interventions to prevent mother-to-child transmission of hepatitis B virus: a systematic review and network meta-analysis. *Am J Obstet Gynecol*. 2022 Mar 6:S0002-9378(22)00170-3.
118. Bagepally BS, Chaikledkaew U, Chaiyakunapruk N, Attia J, **Thakkinstian A**. Meta-analysis of economic evaluation studies: data harmonisation and methodological issues. *BMC Health Serv Res*. 2022 Feb 15;22(1):202.
119. Hongku N, Woratanarat P, Nitiwarangkul L, Rattanasiri S, **Thakkinstian A**. Fracture fixation versus hemiarthroplasty for unstable intertrochanteric fractures in elderly patients: A systematic review and network meta-analysis of randomized controlled trials. *Orthop Traumatol Surg Res*. 2022 Feb;108(1):102838.
120. Gunasekara ADM, Anothaisintawee T, Youngkong S, Ha NT, McKay GJ, Attia J, **Thakkinstian A**. Neoadjuvant Treatment with HER2-Targeted Therapies in HER2-Positive Breast Cancer: A Systematic Review and Network Meta-Analysis. *Cancers (Basel)*. 2022 Jan 21;14(3):523.
121. Brabaharan S, Veettil SK, Kaiser JE, Raja Rao VR, Wattanayingcharoenchai R, Maharajan M, Insin P, Talungchit P, Anothaisintawee T, **Thakkinstian A**, Chaiyakunapruk N. Association of Hormonal Contraceptive Use With Adverse Health Outcomes: An Umbrella Review of Meta-analyses of Randomized Clinical Trials and Cohort Studies. *JAMA Netw Open*. 2022 Jan 4;5(1):e2143730.
122. Veettil SK, Syeed MS, Noviyar R, **Thakkinstian A**, Chaiyakunapruk N. Does meta-analysis of economic evaluations have the potential to play a role in healthcare decision-making in the United States? *J Med Econ*. 2022 Jan-Dec;25(1):750-754.
123. Chawla N, Anothaisintawee T, Charoenrungrueangchai K, Thaipisuttikul P, McKay GJ, Attia J, **Thakkinstian A**. Drug treatment for panic disorder with or without agoraphobia: systematic review and network meta-analysis of randomized controlled trials. *BMJ*. 2022 Jan

19;376:e066084.

124. Udayachalerm S, Renouard MG, Anothaisintawee T, **Thakkinstian A**, Veettil SK, Chaiyakunapruk N. Incremental net monetary benefit of herpes zoster vaccination: a systematic review and meta-analysis of cost-effectiveness evidence. *J Med Econ*. 2022 Jan-Dec;25(1):26-37.
125. Toi PL, Wu O, Thavorncharoensap M, Srinonprasert V, Anothaisintawee T, **Thakkinstian A**, Phuong NK, Chaikledkaew U. Economic evaluation of population- based type 2 diabetes mellitus screening at different healthcare settings in Vietnam. *PLoS One*. 2021 Dec 23;16(12):e0261231.
126. Ruenroengbun N, Numthavaj P, Sapankaew T, Chaiyakittisopon K, Ingsathit A, McKay GJ, 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.
127. Saputro SA, Pattanapruteep O, Pattanateepapon A, Karmacharya S, **Thakkinstian A**. Prognostic models of diabetic microvascular complications: a systematic review and meta-analysis. *Syst Rev*. 2021 Nov 1;10(1):288.
128. Limpijankit T, Vathesatogkit P, Matchariyakul D, Yingchoncharoen T, Siriyotha S, **Thakkinstian A**, Sritara P. Cardio-ankle vascular index as a predictor of major adverse cardiovascular events in metabolic syndrome patients. *Clin Cardiol*. 2021 Nov;44(11):1628-1635.
129. Thamakaison S, Anothaisintawee T, Sukhato K, Unwanatham N, Rattanasiri S, Reutrakul S, **Thakkinstian A**. Hemoglobin A1c in combination with fasting plasma glucose trumps fasting plasma glucose alone as predictive indicators for diabetes mellitus: an ambidirectional cohort study of Thai people with impaired fasting glucose. *BMJ Open Diabetes Res Care*. 2021 Nov;9(2):e002427.
130. Gloria MAJ, Thavorncharoensap M, Chaikledkaew U, Youngkong S, **Thakkinstian A**, Culyer AJ. A Systematic Review of Demand-Side Methods of Estimating the Societal Monetary Value of Health Gain. *Value Health*. 2021 Oct;24(10):1423-1434.
131. Genuino AJ, Gloria MAJ, Chaikledkaew U, Reungwetwattana T, **Thakkinstian A**. Economic evaluation of adjuvant trastuzumab therapy for HER2-positive early-stage breast cancer: systematic review and quality assessment. *Expert Rev Pharmacoecon Outcomes Res*. 2021 Oct;21(5):1001-1010.
132. Bagepally BS, Chaikledkaew U, Youngkong S, Anothaisintawee T,

- Thavorncharoensap M, Dejthevaporn C, **Thakkinstian A**. Cost-Utility Analysis of Dapagliflozin Compared to Sulfonylureas for Type 2 Diabetes as Second-Line Treatment in Indian Healthcare Payer's Perspective. *Clinicoecon Outcomes Res*. 2021 Oct 22;13:897-907.
133. 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.
134. Tansawet A, Numthavaj P, Techapongsatorn S, McKay G, Attia J, Pattanapratchee 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.
135. Sirithiantong T, Woratanarat P, Woratanarat T, Angsanuntsukh C, Saisongcroh T, Unwanatham N, **Thakkinstian A**. Network meta-analysis of management of trigger thumb in children. *J Pediatr Orthop B*. 2021 Jul 1;30(4):351-357.
136. Noparatayaporn P, Thavorncharoensap M, Chaikledkaew U, Bagepally BS, **Thakkinstian A**. Incremental Net Monetary Benefit of Bariatric Surgery: Systematic Review and Meta-Analysis of Cost-Effectiveness Evidences. *Obes Surg*. 2021 Jul;31(7):3279-3290.
137. Lukkunaprasit T, Rattanasiri S, Ongphiphadhanakul B, McKay GJ, Attia J, **Thakkinstian A**. Causal Associations of Urate With Cardiovascular Risk Factors: Two-Sample Mendelian Randomization. *Front Genet*. 2021 Jul 8;12:687279.
138. Rattanavipanon W, Nithiphongwarakul C, Sirisuwansith P, Chaiyasothi T, **Thakkinstian A**, Nathisuwan S, Pathomwichaiwat T. Effect of tomato, lycopene and related products on blood pressure: A systematic review and network meta-analysis. *Phytomedicine*. 2021 Jul 15;88:153512.
139. Worakunphanich W, Thavorncharoensap M, Youngkong S, Thadanipon K, **Thakkinstian A**. Safety of *Andrographis paniculata*: A systematic review and meta- analysis. *Pharmacoevidemiol Drug Saf*. 2021 Jun;30(6):727-739.
140. Sirisreetreerux P, Wattanayingcharoenchai R, Rattanasiri S, Pattanapratchee 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.
141. Turongkaravee S, Jittikoon J, Lukkunaprasit T, Sangroongruangsri S, Chaikledkaew U, **Thakkinstian A**. A systematic review and meta-analysis of genotype-based and

- individualized data analysis of SLCO1B1 gene and statin-induced myopathy. *Pharmacogenomics J.* 2021 Jun;21(3):296-307.
142. Siriyotha S, Tantrakul V, Plitphongphanphim S, Rattanasiri S, **Thakkinstian A**. Prediction Models of Obstructive Sleep Apnea in Pregnancy: A Systematic Review and Meta-Analysis of Model Performance. *Diagnostics (Basel).* 2021 Jun 15;11(6):1097.
 143. 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.
 144. Chaiyakittisophon K, Pattanapratchee O, Ruenroengbun N, Sapankaew T, Ingsathit A, McKay GJ, Attia J, **Thakkinstian A**. Evaluation of the cost-utility of phosphate binders as a treatment option for hyperphosphatemia in chronic kidney disease patients: a systematic review and meta-analysis of the economic evaluations. *Eur J Health Econ.* 2021 Jun;22(4):571-584.
 145. Unhapipatpong C, Shantavasinkul PC, Kasemsup V, Siriyotha S, Warodomwicht D, Maneesuwanarat S, Vathesatogkit P, Sritara P, **Thakkinstian A**. Tropical Oil Consumption and Cardiovascular Disease: An Umbrella Review of Systematic Reviews and Meta Analyses. *Nutrients.* 2021 May 4;13(5):1549.
 146. Arunmanakul P, Kengkla K, Chaiyasothi T, Phrommintikul A, Ruengorn C, Permsuwan U, **Thakkinstian A**, Page R.L, Munger M.A, Nathisuwan S, Chaiyakunapruk N. Effects of pharmacist interventions on heart failure outcomes: A systematic review and meta-analysis. *JACCP Journal of the American College of Clinical Pharmacy.* 19 April 2021
 147. Siribumrungwong B, Wilasrusmee C, Orrapin S, Srikuea K, Benyakorn T, McKay G, Attia J, Rerkasem K, **Thakkinstian A**. Interventions for great saphenous vein reflux: network meta-analysis of randomized clinical trials. *Br J Surg.* 2021 Apr 5;108(3):244-255.
 148. Insin P, Vitoopinyoparb K, Thadanipon K, Charakorn C, Attia J, McKay GJ, **Thakkinstian A**. Prevention of venous thromboembolism in gynecological cancer patients undergoing major abdominopelvic surgery: A systematic review and network meta-analysis. *Gynecol Oncol.* 2021 Apr;161(1):304-313.
 149. Bergin P, Leggett A, Cardwell CR, Woodside JV, **Thakkinstian A**, Maxwell AP, McKay GJ. The effects of vitamin E supplementation on malondialdehyde as a biomarker of oxidative stress in haemodialysis patients: a systematic review and meta-analysis. *BMC Nephrol.* 2021 Apr 9;22(1):126.

150. Pornsuriyasak P, Rattanasiri S, Unwanatham N, Kawamatawong T, Jankum P, **Thakkestian A**. Effects of Oral Procaterol for Postinfectious Cough in Adults: Single-Centre, Randomized Double-Blind, Placebo-Controlled Trial. *Korean J Fam Med*. 2021 Mar;42(2):159-165.
151. Oranratnachai S, Rattanasiri S, Pooprasert A, Tansawet A, Reungwetwattana T, Attia J, **Thakkestian A**. Efficacy of First Line Systemic Chemotherapy and Multikinase Inhibitors in Advanced Hepatocellular Carcinoma: A Systematic Review and Network Meta-Analysis. *Front Oncol*. 2021 Mar 31;11:654020.
152. Sadoyu S, Rungruang C, Wattanavijitkul T, Sawangjit R, **Thakkestian A**, Chaiyakunapruk N. Aloe vera and health outcomes: An umbrella review of systematic reviews and meta-analyses. *Phytother Res*. 2021 Feb;35(2):555-576.
153. Wattanayingcharoenchai R, Rattanasiri S, Charakorn C, Attia J, **Thakkestian A**. Postoperative hormonal treatment for prevention of endometrioma recurrence after ovarian cystectomy: a systematic review and network meta-analysis. *BJOG*. 2021 Jan;128(1):25-35.