

AJAREE RAYANAKORN

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EDUCATION

Doctor of Philosophy in Epidemiology, June 2020

Jeffrey Cheah School of Medicine and Health Sciences, Monash University

Ph.D Thesis Title: Mortality and outcomes of *Streptococcus suis* infection and economic burden in Thailand

Master of Public Health (Tropical Health), December 2010. (Distinction)

School of Population Health, the University of Queensland

Bachelor of Pharmacy, February 2008.

Faculty of Pharmacy, Chiang Mai University

PROFESSIONAL EXPERIENCES

Lecturer (**June 2020-present**)

Faculty of Public Health, Chiang Mai University

Chiang Mai, Thailand

Adjunct lecturer (**1 July 2021- present**)

School of Pharmacy, Monash University Malaysia

Selangor, Malaysia

Visiting Ph.D Candidate under the Vice Chancellor's Inter Campus Ph.D Travel Grant, **1-31 October 2019**

School of Public Health and Preventive Medicine, Monash University

Melbourne, Australia

■ Project: Burden of disease and productivity impact of *Streptococcus suis* infection in Thailand, supervised by Professor Danny Liew and Associate Professor Zanfina Ademi

Medical Affairs Manager, Oncology (**June 2016-August 2017**)

Merck (Thailand), Ltd

Bangkok, Thailand

Responsibilities:

■ Responsible for specific Therapeutic Area, providing medical/ expertise, scientific support to Commercial, interact with the relevant stake holders, implementation of the local Clinical Program.

■ Provide to healthcare professionals and decision makers accurate, unbiased, balanced, and timely answers to requests for information about our products

■ Lead the Medical Strategy, drive the Local Clinical Plan facilitate the submission of IST, publications and assist in site selection for CR&D clinical projects

■ Proponent/approver for the CLEAR approval process for medical initiatives

Medical Science Liaison, Transplantation (**July 2014-Jan 2016**)

Novartis (Thailand), Ltd

Bangkok, Thailand

Responsibilities:

■ Identify and develop relationships with medical experts (MEs) by engaging in ongoing scientific and balanced discussion.

■ Collects medical insights and intelligence gathered from scientific exchange with MEs and interprets and communicates relevant information in order to define, update, and support medical strategies.

■ Address unsolicited requests for medical information from health care professionals including on- and off-label uses of company products and respond to relevant external customers with written and verbal communications, in accordance with the Medical Information process.

- Implement key medical activities e.g., advisory boards, speaking training, medical booth and session coverage at scientific meeting.

- Scientific research support to smoothly conduct IITs (Investigator Initiated Trials) and Phase IV studies.

Medical Affairs Manager **(July 2013-June 2014)**

MSD (Thailand), Ltd

Bangkok, Thailand

Responsibilities:

- Identify local unmet medical/scientific needs and/or clinical studies opportunities.
- Evaluate and discuss study concepts and proposals, present and discuss IISP Area of Interest (AoI).
- Communicate and follow-up adequately with Medical Advisors, Marketing and RDMA regarding local and IISP studies, managing the relationship with investigators.
- Co-develop full protocol of LCE, PMS or RMS with Medical Advisors and global team.

Key Achievements: Successfully co-developed clinical study protocol of LCE (Phase IV study) in Genital Warts Epidemiology Study in Thailand, developed and revised country SOPs for non-interventional study, was primary contact for a multi-country IIS between investigators, sponsor, and head quarter team with successfully drug supplies shipments delivered in 4 countries (Thailand, Vietnam, Malaysia and Indonesia).

Senior Medical Information Associate (Snr MIA) **(August 2012- June 2013)**

Pfizer (Thailand), Ltd

Bangkok, Thailand

Responsibilities:

- Provide accurate, consistent, timely and balanced responses to written and oral medical information communication enquiries from internal and external customers.
- Establishes standard or customized response documents responding to medical information enquiries
- Reviews and approves MI response documents generated by other MI colleagues when appropriate.
- Leads or participates in global MI projects or regional collaborative teams, providing valuable insights to global strategies.
- Conduct training sessions for new hires and also refresher trainings for current staff.

Key Achievements: Facilitated country medical affairs audit with no major/minor findings in medical information process.

Clinical Research Associate (CRA) and Regulatory & Site Start-Up Specialist (RSU)

(January 2011 –August 2012), (May 2008- December 2009)

Quintiles (Thailand) Co., Ltd. (IQVIA)

Bangkok, Thailand

Responsibilities:

- Submissions to ethic committees, work with regulatory, legal team members, Clinical Operations, Project Management or sponsor to secure authorization of regulatory documents, contracts, and project deliverables.
- Study site initiation visit, monitoring visit, source data verification (SDV) and query resolution
- Review and negotiate site regulatory documents and contracts with sites and sponsors.

Key Achievements: Obtained special achievement award for a high percentage of SDV, worked with site and investigator to pass Quintiles internal audit with no critical finding.

Pharmacy Internship

Curtin University of Technology (April – May 2007)

Perth, Australia

- Principal subjects/occupational skills covered: Pharmaceutical courses attendance and survey of public health services at the Royal Perth Hospital and pharmacies

SKILLS

TOEFL iBT: 92/120 (equivalent to 580 Paper-based test), **TOEIC:** 845/990, **IELTS:** 7.0, **Japanese** (Beginner) Proficient in REDCap, IMPACT Polaris, EDC: InForm, R 2.11.1, EndNote, STATA

Competent in Dreamweaver, Photoshop, Golive, SPSS, InFORMant, InnTrax, CTMS (Clinical Trial Management System), Vision Tracker

HONORS AND AWARDS

- 2020 The 2019-2020 ISPOR Student Chapter Award for Outstanding LMIC Chapter
- 2019 The Session's Best Presenter: Health Services Management, 5th International Conference of Public Health (ICOPH 2019), July 10-12 2019; Kuala Lumpur.
- 2019 The Vice Chancellor's Inter Campus Ph.D Travel Grant to be visiting Ph.D Candidate at School of Public Health and Preventive Medicine, Monash University, Melbourne
- 2019 Conference Traveling Grant for abstract presentation at the International Conference of Pharmacoepidemiology, Mid-Year Meeting 2019, 2019 April 6-9; Rome.
- 2017 Monash Merit Scholarship for Ph.D study at Monash University Malaysia
- 2018 Excellence Team Award, Innovation Category, Project name: STEP change BUILD by Medical Affairs, Novartis (Thailand), Ltd.
- 2015 Novartis Star Award, Q2 2015 (Value & Behaviour: Collaboration)
- 2011 Special Achievement Award for a high percentage of SDV, Quintiles
- 2010 International Student Ambassador, the University of Queensland
- 2009 UQ-Thailand Scholarship 2009, sponsored by the University of Queensland
- 2004 Grade 7 Solo Piano Certificate, Trinity College London
- 2003 Selected participant in Stanford-Thai Exchange Program at Stanford University, CA
- 2002 Distinguished Academic Service Student at the Prince Royal's College
- 2002 Champion in the Inter-School English Speaking Quiz at the Prince Royal's College
- 2001 Selected participant in the 2nd Round of Chemistry Olympiad Camp, Northern Region, Thailand

PROFESSIONAL MEMBERSHIP

- Editorial Team, Thai Food and Drug Journal, Thai Journal Citation Index Center (TCI), Q2 (March 2020-present)
- The Thai Pharmacy Council
- Alumni Association, Faculty of Pharmacy, Chiang Mai University
- Alumni Association, School of Population Health, the University of Queensland
- The Professional Society for Health Economics and Outcomes Research (ISPOR)
- ISPOR Student Chapter, Monash University Malaysia (Chapter President February 2019-March 2020)

SELECTED PUBLICATIONS/ABSTRACTS

- Saokaew S, **Rayanakorn A**, Wu DB, Chaiyakunapruk N, Cost Effectiveness of Pneumococcal Vaccination in Children in Low- and Middle-Income Countries: A Systematic Review. *PharmacoEconomics*. 2016 Dec;34(12):1211-25. doi:[10.1007/s40273-016-0439-3](https://doi.org/10.1007/s40273-016-0439-3) (Web of Science, Quartile 1, IF 3.563, 43 citations)
- **Rayanakorn A**, Goh BH, Lee LH, Khan TM, Saokaew S, Risk factors for *Streptococcus suis* infection: A systematic review and meta-analysis. *Sci Rep* 8, 13358 (2018). Doi: 10.1038/s41598-018-31598-w. CP 2019;12:e228501. doi: [10.1038/s41598-018-31598-w](https://doi.org/10.1038/s41598-018-31598-w) (Web of Science, Quartile 1, IF 3.998, 31 citations)
- **Rayanakorn A**, Katip W, Lee LH, Oberdorfer P. Endophthalmitis with bilateral deafness from disseminated *Streptococcus suis* infection. *BMJ Case Rep*. 2019 Feb 26;12(2). doi: [10.1136/bcr-2018-228501](https://doi.org/10.1136/bcr-2018-228501) (10 citations)
- **Rayanakorn A**, Katip W, Goh BH, Oberdorfer P, Lee LH. Clinical manifestations and risk factors of *Streptococcus suis* mortality among northern Thai population: retrospective 13-year cohort study. *Infection and Drug Resistance* 2019;12:3955-65. Epub 30 December 2019. doi: <https://doi.org/10.2147/IDR.S233326> (Web of Science, Quartile 2, IF 2.984, 8 citations)
- **Rayanakorn A**, Katip W, Goh BH, Oberdorfer P, Lee LH. **Rayanakorn A**, Katip W, Goh BH, Oberdorfer P, Lee LH. A risk scoring system for predicting *Streptococcus suis* hearing loss: A 13-year retrospective cohort study. *PLOS ONE*. 2020;15(2):e0228488. <https://doi.org/10.1371/journal.pone.0228488> (Web of Science, Quartile 2, IF 2.740, 5 citations)
- **Rayanakorn A**, Ser H-L, Pusparajah P, Chan K-G, Goh BH, Khan TM, et al. Comparative efficacy of antibiotic(s) alone or in combination of corticosteroids in adults with acute bacterial meningitis: A systematic review and network meta-analysis. *PloS one*. 2020;15(5):e0232947. doi: [10.1371/journal.pone.0232947](https://doi.org/10.1371/journal.pone.0232947). (Web of Science, Quartile 2, IF 2.740, 2 citations)
- **Rayanakorn A**, Ademi Z, Liew D, Lee LH. Burden of disease and productivity impact of *Streptococcus suis* infection in Thailand, *PLOS Neglected Tropical Diseases* 2021;15(1): e0008985. <https://doi.org/10.1371/journal.pntd.0008985> (Web of Science, Quartile 1, IF 3.848)
- **Rayanakorn A**, Hooi-Leng Ser, Priyia Pusparajah, Bey Hing Goh, Tahir Mehmood Khan, Surasak Saokaew, Learn Han Lee, A Network meta-analysis of randomized controlled trials for acute bacterial meningitis in adult population. Presented at International Conference of Pharmacoepidemiology, Mid-Year Meeting 2019, 2019 April 6-9; Rome. Abstract 13.
- **Rayanakorn A**, Katip W, Goh BH, Oberdorfer P, Lee LH, Prediction score for *Streptococcus suis* hearing loss: a neglected disease in need of increased public health awareness. Presented at International Conference of Public

RESEARCH INTERESTS

- Pharmacoeconomics & outcomes research
- Epidemiology
- Infectious Diseases
- Evidence synthesis (systematic review, meta-analysis, network meta-analysis)
- Global Health (Health Systems)

TEACHING RESPONSIBILITIES

International Master of Public Health Program:

1. PUBH678723 Global Health Policy and Management (course coordinator)
2. PUBH676791 Seminar in Public Health (course coordinator)
3. PUBH676703 Public Health Administration (co-teaching)
4. PUBH676701 Principle of Epidemiology (co-teaching)
5. PUBH676704 Research Methodology in Public Health (co-teaching)

Master of Public Health Program:

1. PUBH676791 Seminar in Public Health (co-teaching)
2. PUBH676703 Public Health Administration (co-teaching)
3. PUBH676701 Principle of Epidemiology (co-teaching)
4. PUBH676706 Field Practice in Public Health (co-teaching)

Doctor of Philosophy in Public Health Program:

1. PUBH679804 Health System and Global Community Health Promotion (co-teaching)
2. PUBH679801 Advanced Epidemiology (co-teaching)
3. PUBH679800 Advanced Research Methodology in Public Health (co-teaching)

RESEARCH PROJECTS/GRANTS

1. Project entitled "Pre-exposure prophylaxis (PrEP) implementation among people who inject drugs (PWIDs) compare with other key population: a monitoring and process evaluation for Thailand's National PrEP Program of the fiscal year 2020 [Jul 2020-Jan 2021], Grant funding of THB1,999,250 from The Global Fund to Fight AIDs, Tuberculosis and Malaria, Department of Disease Control, Ministry of Public Health (As co-investigator)
2. Project entitled "Development of an economic burden model for herpes simplex virus (HSV) infection" [Jul 2020-June 2021], Grant funding from the World Health Organization (WHO, REF# 2020/9969540) through the University of Utah (As co-investigator)
3. Project entitled "Patients' perspectives on HIV related stigma, and health-related quality of life, Prao District, Chiang Mai Province" [Jan-Dec 2021], CMU Young Researcher's grant funding of THB299,600 (As Principal Investigator)

H-INDEX & CUMULATIVE CITATIONS

H-index of 5 with cumulative citations of 99 (Google Scholar Citation System).

<https://scholar.google.com.my/citations?hl=en&user=RprWU-cAAAAJ>