

NALIN PAYAKACHAT

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EDUCATION:

PhD in Pharmacy Administration, Purdue University, August 2008

Dissertation Research: Predicting utility values in low vision: Estimation from NEI-VFQ 25.

Advisor: Kent H. Summers, R.Ph., Ph.D.

Resident and Fellow in Pharmacotherapy, Khon Kaen University, Thailand, 2001

Researched and received training in drug utilization in adult neurology, with a focus on epilepsy, Parkinson's disease, multiple sclerosis, and hemifacial spasm.

Advisor: Suthipun Jitpimolmard, M.D.

Master of Science in Pharmacology, Mahidol University, Thailand, 1995

Thesis Research: Pharmacokinetics of phenytoin in healthy Thais.

Advisor: Chuthamanee Suthisisang, Ph.D.

Bachelor of Science in Pharmacy, Khon Kaen University, Thailand, 1993

PROFESSIONAL EXPERIENCE:

Graduate research assistant in Pharmacy Practice, Purdue University, August 2007 to July 2008

Database analysis using clinical trial phase I/II data in age-macular degeneration.

Supervisor: Kent H. Summers, R.Ph., Ph.D.

Graduate teaching assistant in Pharmacy Practice, Purdue University, 2004 to July 2007

Coordinated and managed classes of 170 undergraduate pharmacy students.

Research assistant, World Wide Outcomes Research Group, Pfizer Inc., Summer 2006

Researched competitors' glaucoma products and recommended potential outcomes research studies and initiatives.

Supervisor: Marko Mychaskiw, R.Ph, Ph.D.

Clinical pharmacist, Srinagarind Hospital, Khon Kaen University, Thailand, 2001-2002

Consulted staff and medical residents within the neurology unit.

Pharmacy intern, University of Illinois at Chicago Hospital, Chicago, 2001

Two rotations in anticoagulant clinic and neurology clinic (outpatient).

Assistant professor in clinical pharmacy, Khon Kaen University, Thailand, 1998-2003

Lectured 4th and 5th year pharmacy students and graduate students in pharmacotherapy, researched drug utilization, and supervised clinical rotations in pharmacokinetics, acute care, ambulatory care, and the university drug information center.

Lecturer, Faculty of Pharmacy, Silpakorn University, Thailand, 1994-1997

Lectured 3rd and 4th year pharmacy students in pharmacology and toxicology.

RESEARCH EXPERIENCE:

- Ph.D. Dissertation, Predicting Utility Values in Low Vision: Estimation from NEI-VFQ 25.
- Factors Related to Job and Career Satisfaction in Community Pharmacy: Structural Equation Modeling Approach, Purdue University (2007) (with Matthew Murawski, R.Ph., Ph.D.)
- A Model-Based Cost-effectiveness Analysis of Community Pharmacy Diabetes Services: Using Data from the Partner's Project (Type 2 diabetes), Purdue University (2002) (with Matthew Murawski, R.Ph., Ph.D.)
- Oral Drug Responsiveness in Hemifacial Spasm, Srinagarind Hospital, Thailand
- Usefulness of Prednisolone in Multiple sclerosis, Srinagarind Hospital, Thailand
- Assessment of Therapeutic Drug Monitoring Services of Antiepileptics, Srinagarind Hospital, Thailand
- Survey of Drug Information Resources, Drug Information Center, Northeast Thailand
- Survey of Benzodiazepines Prescriptions, Srinagarind Hospital and Central Khon Kaen Hospital, Thailand
- Evaluation of Medical and Pharmaceutical Resources on the Internet in Thailand
- Non-compliance of Hypertensive Out Patients, Srinagarind Hospital, Thailand
- Comparative Bioavailability of Generic Zidovudine and Retrovir 100-, 250-mg in Healthy Thais
- Master Degree Thesis, Pharmacokinetics and Bioavailability of Phenytoin in Healthy Thais

PUBLICATIONS:

- Payakachat N, Pleil A, Summers KH, Murawski MM, Anderson J, Jennings K, Thomas III J. Predicting Utility Values in Low Vision: Estimation from NEI-VFQ 25. (In progress)

- Murawski MM, Payakachat N, Koh-Knox, C. Factors Related to Job and Career Satisfaction in Community Pharmacy: Structural Equation Modeling Approach. (*Journal of American Pharmacist Association, in press*)
- Summers KH, Payakachat N. Quality Assessment of Clinical Practice Guidelines. (Editorial). *Expert Review of Pharmacoeconomics & Outcomes Research* 2006;6(1):1-4.
- Payakachat N, Summers KH, Barbuto JP. A Comparison of Clinical Practice Guidelines in the Initial Pharmacological Management of New-Onset Epilepsy in Adults. *Journal of Managed Care Pharmacy* 2006;12(1):55-60.
- Foocharoen C, Jitpimolmard S, Payakachat N, Jansong K, Tiamkao S. Clinical Features of Patients with Hemifacial Spasm. *Neurology Journal Thailand* 2003;3:70-6.
- Payakachat N, Charuchinda J. Pharmacology of GABA Receptor. *Thai Journal of Pharmacology*, 16-17, 1994-1995 : 43-53.
- Suthisisung J, Payakachat N. Bioavailability of Phenytoin Sodium Capsules Available in Thailand Part I: In vitro Study. *Journal of Medical Association of Thailand* 1998; 81(1): 58-63
- Suthisisung J, Payakachat N. Bioavailability of Phenytoin Sodium Capsules Available in Thailand Part II: In vivo Study. *Journal of Medical Association of Thailand* 1998; 81(1): 64-70

REPORTS & COMPLEMENTARY:

- Jitpimolmard S, Payakachat N. Wilson's Disease: A Case Report. *Bulletin of the Neurological Society of Thailand* 2001; 16(3): 24-9.
- Payakachat N. MSG Symptom Complex. *Clinic* 2001; 200(7/8): 724-6.
- Chittravas N, Payakachat N, Jitpimolmard S. Bechet's Disease: A Case Report. *Bulletin of the Neurological Society of Thailand* 2000; 15(4): 87-95.

PRESENTATIONS:

- Payakachat N, Summers KH, Pleil A. Mapping Between the NEI-VFQ 25 and the EQ-5D Utility Index: Model Comparisons. The 13th International Society for Pharmacoeconomics and Outcomes Research. Toronto, Canada. May 3 – 5, 2008
- Foocharoen C, Jitpimolmard S, Payakachat N, Jansong K, Tiamkao S. Clinical Features of Patients with Hemifacial spasm. Evidence-base Management in Neurological Disorders, 4 th Floor Conference Room, Pramongkutklao Vejvidaya Building Pramonykutklao Hospital , 2003.
- Chittravas N, Jitpimolmard S, Payakachat N, Tiamkao S. The Appropriateness of Using Intravenous Phenytoin in Srinagarind hospital. Evidence-base Management in Neurological Disorders, 4 th Floor Conference Room, Pramongkutklao Vejvidaya Building Pramonykutklao Hospital, 2003.

- Paykachat N, Tiamkao S, Jitpimolmard S. Clonazepam in Hemifacial Spasm. The 3rd Bangkok Symposium on Clinical Neurophysiology and 42nd Annual Meeting of the Neurological Society of Thailand. Bangkok, Thailand. March 6-8, 2002.
- Paykachat N, Tiamkao S, Jitpimolmard S. Oral Drug Responsiveness in Hemifacial Spasm. The 6th Annual Meeting of Thai Neuroscience Society. Khon Kaen, Thailand. December 6-7, 2001.
- Paykachat N. Adverse Drug Reaction Monitoring in Medicine Ward, Srinagarind Hospital. The 6th Annual Meeting of Thai Neuroscience Society. Khon Kaen, Thailand. December 6-7, 2001.
- Paykachat N, Suthisisung J. Pharmaceutical Inequivalence of Phenytoin Sodium Capsules Available in Thailand. The 15th Asian Pharmaceutical Associations (FAPA). Bangkok, Thailand. November 15-19, 1994.

BOOK CHAPTERS:

- Bootstrapping, Model Validation, Hypothesis Testing (Statistical Adjustments/Approaches). United Kingdom, Adaptation of Foreign Data for Local Analysis (Other Countries & Regions). Reliability and Validity of Data Sources for Disease and Health Management. International Society for Pharmacoeconomics and Outcomes Research. (In progress)
- Therapeutic Drug Monitoring of Carbamazepine. In: Chaiyakam A, Preechakul Y, eds. Therapeutic Drug Monitoring. Khon Kaen, Faculty of Pharmaceutical Sciences, 2000: 185-198.
Therapeutic Drug Monitoring of Lithium. In: Chaiyakam A, Preechakul Y, eds. Therapeutic Drug Monitoring. Khon Kaen, Faculty of Pharmaceutical Sciences, 2000: 199-218.
- Clinical Approach in Vertigo for Community Pharmacist. In: Pornanong A, ed. Vertigo. Bangkok, Chulalongkorn University, 2002: 35-46.

PROFESSIONAL ORGANIZATIONS:

- Member, International Society for Pharmacoeconomics and Outcomes Research (2004 – present)
- Member, ISPOR Health Care Decisions Using Outcomes Research Special Interest Group (HCDUOR) (2006 – present)
- Member, ISPOR Disease & Health Management Special Interest Group (DHM) (2006 – present)
- Member, Thai Pharmacy Association, Thailand (1995 – present)
- President, Purdue University ISPOR Student Chapter (2006 – 2007)
- President-Elect, Purdue University ISPOR Student Chapter (2005 – 2006)

- Staff, Postgraduate Student Council, Department of Clinical Pharmacy, Faculty of Pharmaceutical Sciences, Khon Kaen University, Thailand (1998 – 2003)
- Member, North-Eastern Neuroscience Association of Thailand (2001 – 2003)
- Committee, North-Eastern Neuroscience Association of Thailand (2001 – 2003)
- Clinical Pharmacist, Neurology unit, Department of Medicine, Faculty of Medicine, Khon Kaen University, Thailand (2001 – 2002)
- Associate Head of Clinical Pharmacy Department, Faculty of Pharmaceutical Sciences, Khon Kaen University, Thailand (2000)
- Staff, Postgraduate Student Council, Faculty of Pharmacy, Silpakorn University, Thailand (1995 – 1997)

AWARDS AND GRANTS

- Contract research funding with Pfizer, Inc. (2007 – 2008), \$56,000
- ISPOR Student Chapter Presidents Service Awards 2006 – 2007
- Research assistantship, School of Pharmacy and Pharmaceutical Sciences, Purdue University (2002, 2007 – present)
- Training Grant at UIC Hospital. Awarded by Faculty of Pharmaceutical Sciences, Khon Kaen University, Thailand (2001)
- Research Grant, Research and Developing Institute, Government Pharmaceutical Organization, Thailand (1994 – 1995)
- University Developing Commissions (UDC) Scholarship, Silpakorn University, Thailand (1993 – 1995)

RELEVANT SOFTWARE: SAS[®], AMOS[®], SPSS[®], STATA[®]

JOURNAL REVIEWER: Journal of Managed Care Pharmacy

LANGUAGES: Thai (native), English (fluent)