

THITINAT DEDKAEW

1 PERSONAL INFORMATION

E-mail address: thitinat51011@gmail.com; thinat08@tu.ac.th

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2 PROFESSIONAL SUMMARY

Enthusiastic clinical pharmacist with strong background in Pharmacokinetics and pharmacodynamics and patient medication therapy management including quickly mastering new technologies and informatics systems.

3 LICENSE

Registered Pharmacist (๙ 9714) issued by Pharmacy Council (Thailand)

4 SKILL HIGHLIGHTS

- 👉 Expert understanding of pharmacokinetics and pharmacodynamics
- 👉 Strong background in medication therapy
- 👉 Exceptional patient care and interaction
- 👉 Drug utilization review
- 👉 Skilled clinical interventions
- 👉 Efficient and accurate

5 PROFESSIONAL EXPERIENCE

Lecturer

November 2021 to Present

Pharmacy Faculty, Thammasat University, Rungsit Campus – Pathumthani, Thailand

- Provide lecture and practice sessions in Biopharmaceutical and Pharmacokinetics, Pharmacotherapy and teaching round

Special Lecturer

January 2018 to present

Pharmacy Faculty, Western University, Watcharaphon campus – Pathumthani, Thailand

- Provide lecture and practice sessions in Biopharmaceutical and Pharmacokinetics, Nutrition and Diet Therapy, Toxicology, Drug Use Evaluations and Adverse Drug Reactions

Pharmacist (Part-time)

January 2017 to present

Out-patient Pharmacy Department, Phramongkutklao Hospital – Bangkok, Thailand

- Dispense and deliver patient medications, and provided counselling to out-patients

External Assessors of Thai FDA for Bioequivalence (in Vivo) Study

August 2016 to present

Bureau of Drug Control, Food and Drug Administration, Thailand – Nonthaburi, Thailand

- Review and evaluation in vivo Bioequivalence study report of test product submitted for generic drugs registration application

Medication Safety Officer

February to November 2016

Phuket International Hospital (BDMS Southern group) – Phuket, Thailand

- **Providing a leadership role in formulating policy and instituting models that promote medication safety in all aspects of the medication management process**
 1. Standardize Medication Management and Use (MMU), International Patient Safety Goals (IPSG) and Patient and Family Education (PFE) policies and procedures for BDMS Southern group Hospital
 2. Participate in best practice projects: Whiteboard project, Speak Up project
- **Coordinating all activities related to medication safety provided by the facility. These activities involve reporting, system and process evaluation, formulation of recommendations and initiatives, coordination of intervention strategies, and monitoring of activities related to medication safety**

Pharmacy Practice Specialist

April 2000 to November 2015

Bumrungrad International Hospital – Bangkok, Thailand

- **Participation on physician round in critical care unit**
 1. Pharmaceutical Care in individual patient: Drug selection, dosage adjustment, drug

interactions, contraindication, administration

2. Drug Induced Nephrotoxicity Monitoring (DIN Project): Determination renal function, dosage adjustment, contraindication

3. IV administration monitoring: Physical and chemical incompatibilities, preparation of IV and stability, administration method

• **Providing optimal clinical services on daily basis to ensure that the patients achieve desirable outcomes through the use of safe, cost-effective drug therapy as followed:**

1. Therapeutic drug monitoring services: provide information and recommendation about drug level and kinetic analysis of drug therapy

2. Intensive Drug Adverse Reaction monitoring: monitoring the occurrence of adverse drug events associated with drug use and prevention the recurrence of serious ADRs and readmission resulting from drug allergy

3. Drug Interaction Monitoring: monitor and correct the undesired effect of drug interaction

4. Drug Use Evaluation: develop criteria, collect data and analyze data to ensure that drugs are used appropriately

5. Standing order development: a part of working team to develop and annual review for standing order in ICU patients

Head of Pharmacy Department

April 1994 to December 1999

Raumpath Private Hospital – Chiang Mai, Thailand

1. Dispensed and delivered patient medications to patients throughout the hospital.

2. Managed pharmacy inventory through proper medication ordering, returns and inter-store transfers.

6 EDUCATION

Doctor of Philosophy: Pharmacy –Pharmacokinetics, 2017

Pharmaceutical Care Department, Faculty of Pharmacy, Chiang Mai University – Chiang Mai, Thailand

Bachelor of Arts: Languages, 2007

Faculty of Humanities, Ramkhamhaeng University – Bangkok, Thailand

Master of Science: Clinical Pharmacy, 2001

Pharmaceutical Care Department, Faculty of Pharmacy, Chiang Mai University – Chiang Mai, Thailand

Bachelor of Pharmacy: Pharmacy, 1994

Faculty of Pharmacy, Chiang Mai University – Chiang Mai, Thailand

7 TRAINING

June 3rd, 2021

Application of Monolix suite software for population PK/PD analysis

Department of Pharmacy, Faculty of Pharmacy, Mahidol University, Bangkok, Thailand and
Department of Pharmaceutics Faculty of Pharmacy, Universitas Gadjah Mada, Yogyakarta,
DIY, Indonesia.

Nov 18th-19th, 2019

The First Asian Pharmacometrics Network (APN) Symposium (Workshop)

Faculty of Pharmacy, Mahidol and Yonsei University, College of Medicine, South Korea

Feb 5th-9th, 2018

Conference on Bioequivalence for Internal-External Assessors of Thai FDA

Bureau of Drug Control, Food and Drug Administration, Thailand

Aug 30th-31st, 2017

Workshop on Application of Physiologically-Based Pharmacokinetics (PBPK) and Pharmacodynamics in
Drug Development and Research

Graduate Studies, Chulaphorn International College of Medicine (CICM), Thammasat University,
Pathumthani, Thailand

May, 2013-Nov, 2014:

Management Trainee

Learning and Development Department, Bumrungrad International Hospital, Bangkok,
Thailand

Mar 26th -28th, 2014:

Workshop on PK/PD Modeling and Simulations Using WinNonlin, IVIVC™ Toolkit and NLME™
on the Phoenix Platform

Faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand

Feb 12th-13th, 2010:

Pharmacy Preceptors Achievements (on behalf of Faculty of Pharmacy, Khon Kaen University)
Bumrungrad International Hospital, Bangkok, Thailand

Feb 1st to April 30th, 2009:

Pharmacokinetics modeling and data analysis,
Division of Biostatistics of Indiana University School of Medicine, 410 W. Tenth Street Suite
3000 Indianapolis, IN, USA

Dec 12th -19th, 2008:

SP 200 ROBOTS: Tablet/Capsule Robotic Prescription Dispensing System- Pharmacy
Prescription Dispenser
ScriptPro[®], 5828 Reeds Road Mission, KS, USA

8 TEACHING

2018-present:

Special lecturer in

- Biopharmaceutical and Pharmacokinetics
- Nutrition and Nutrition Therapy
- Pharmacotherapy -Topic: Renal diseases, Electrolytes disorders, Infections, Nutrition Disorders
- Toxicology- Topic: Therapeutic Drug Monitoring
- Drug use in high risk patient and Drug Abuse – Topic: Principle of Therapeutic Drug Monitoring in Narrow Therapeutic Index Drug
- Drug Use Evaluation and Adverse Drug Reaction

Faculty of Pharmacy, Western University, Pathumthani, Thailand

2015:

Special lecturer in "Therapeutic drug monitoring in Pharmaceutic Care"

- * Therapeutic drug monitoring and Review of basic principle of clinical pharmacokinetics
- * Dosage adjustment in renal dysfunction
- * TDM of aminoglycosides

Department of Pharmaceutical Care, Faculty of Pharmacy, Srinakarinwirot University,
Nakhornnayok, Thailand

2014:

-Special instructor in "Emergency Medicine", Faculty of Pharmacy, Rangsit University,
Pathumthani, Thailand

-Special instructor in "Pharmaceutical Care in Critically Ill Patients: case study", Faculty of
Pharmacy, Huachiew Chalermprakiet University, Samutprakarn, Thailand

2009-2012:

Special lecturer in "Applied Pharmacokinetics and therapeutic drug monitoring", Department of Pharmaceutical Care, Faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand

Feb-Mar, 2008:

Pharm D student Preceptor for Miss Shannon Sundita from University of Colorado Health Sciences Center School of Pharmacy, Denver, CO, USA

9 PUBLICATION

1. **Dedkaew T.**, Cressey T.R., Phothirat C., Chaiwarith R., Punyawudho B., Lucksiri A. Optimization of Vancomycin Dosing Regimens to Achieve Therapeutic Targets in Critically Ill Patients in Thailand. *Chiang Mai University Journal of Natural Sciences*. 2016; 15(2): 129-139.
2. Thitinat Dedkaew, Ph.D. Dissertation, "Pharmacokinetics of Vancomycin in Critically Ill Patents", July, 2015.
3. **Dedkaew, T.**, Cressey TR, Punyawudho B. and Lucksiri A. Pharmacokinetics of Vancomycin in Critically Ill Patients in Thailand. *International Journal of Pharmacy and Pharmaceutical Sciences*. 2015; 7(9): 232-236.
4. Thitinat Dedkaew, M.Sc. (Clinical Pharmacy) Thesis, "Evaluation of Antiretroviral Combination Regimens by Declining Viral Load for HIV Patients in Chiang Mai", October, 2001.

10 COMMUNITY SERVICE

Member of Pharmacy Council (Thailand)

Member of the Association of Hospital Pharmacy (Thailand)