

Lalita Wattanachanya

King Chulalongkorn Memorial Hospital, the Thai Red Cross Society
1873 Rama 4 Road, Lumpini, Pathumwan, Bangkok, 10330
Thailand

Education:

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| MD. (First class honors) Faculty of medicine, Chulalongkorn University, Bangkok, Thailand | 1994-2000 |
| Certified Board of Internal Medicine Faculty of medicine, Chulalongkorn University, Bangkok, Thailand | 2003-2006 |
| Certified Board of Endocrinology and Metabolism Faculty of medicine, Chulalongkorn University, Bangkok, Thailand | 2006-2008 |
| Certificate of Research Fellow in Endocrinology VA Medical Center, University of California San Francisco, USA | 2009-2012 |

Current Academic Positions:

- A staff member in the position of Physician, Division of Endocrinology and Metabolism, Department of Medicine, Chulalongkorn University and King Chulalongkorn Memorial Hospital, the Thai Red Cross Society, Bangkok, Thailand 2008-present
- Assistant Professor of Medicine, Division of Endocrinology and Metabolism, Department of Medicine, Faculty of Medicine, Chulalongkorn University and King Chulalongkorn Memorial Hospital, the Thai Red Cross Society, Bangkok, Thailand 2015-present
- Board, Thai Osteoporosis Foundation, Thailand 2016-present

Honors and Awards:

- Highest scores in Physiology 1996
- First class degree honors, Chulalongkorn University 2000
- Outstanding research award, Thai Osteoporosis Foundation 2018

Professional and Society Memberships:

- Member, Medical Council of Thailand 2000-present
- Member, Endocrine Society of Thailand 2006-present
- Member, The Endocrine Society 2010-present
- Member, American society of Bone and Mineral Research 2010-present
- Board, Thai Osteoporosis Foundation 2016-present

Research Collaboration:

- The HIV Netherlands Australia Thailand Research Collaboration (HIV-NAT)
- The Thai Red Cross AIDS Research Centre (TRC-ARC)

Research Interests

- Vitamin D, primary and secondary osteoporosis, and other metabolic bone diseases

Original Publications:

- **Lalita Wattanachanya**, Udomsak Bunworasate, Wanee Plengpanich, Natnicha HOUNGNGAM, Patinut Buranasupkajorn, Sarat Sunthornyothin, Vorasuk Shotelersuk and Thiti Snabboon. Bilateral pheochromocytoma during the postpartum period. Archives of Gynecology and Obstetrics 2009; 280(6):1055-8.
- Millard SM, Louie AM, **Wattanachanya L**, Wronski TJ, Conklin BR, Nissenson RA. Blockade of receptor-activated G(i) signaling in osteoblasts in vivo leads to site-specific increases in cortical and cancellous bone formation. J Bone Miner Res 2011;26(4):822-32.
- **Lalita Wattanachanya**, Wei-Dar Lu, Ramendra K. Kundu, Liping Wang, Marcia Abbott, Dylan O'Carroll, Thomas Quertermous, and Robert A. Nissenson. Increased Bone Mass in Mice Lacking the Adipokine Apelin. Endocrinology. 2013;154(6):2069-80.
- **Wattanachanya L**, Wang L, Millard SM, Lu WD, O'Carroll D, Hsiao EC, Conklin BR, Nissenson RA. Assessing the osteoblast transcriptome in a model of enhanced bone formation due to constitutive Gs-G protein signaling in osteoblasts. Exp Cell Res. 2015;333(2):289-302.
- Srichomkwun P, HOUNGNGAM N, Pasatrat S, Tharavanij T, **Wattanachanya L**, Khovidhunkit W. Undercarboxylated osteocalcin is associated with insulin

- resistance, but not adiponectin, during pregnancy. *Endocrine*. 2016;53(1):129-35.
- Matovu FK, **Wattanachanya L**, Beksinska M, Pettifor JM, Ruxrungtham K. Bone health and HIV in resource-limited settings: a scoping review. *Curr Opin HIV AIDS*. 2016;11(3):306-25.
 - Putcharoen O, **Wattanachanya L**, Sophonphan J, Siwamogsatham S, Sapsirisavat V, Gatechompol S, Phonphithak S, Kerr SJ, Chattranukulchai P, Avihingsanon Y, Ruxrungtham K, Avihingsanon A; HIV-NAT 006 team. New-onset diabetes in HIV-treated adults: predictors, long-term renal and cardiovascular outcomes. *AIDS*. 2017;31(11):1535-1543.
 - Millard SM, Wang L, **Wattanachanya L**, O'Carroll D, Fields AJ, Pang J, Kazakia G, Lotz JC, Nissenson RA. Role of Osteoblast Gi Signaling in Age-Related Bone Loss in Female Mice. *Endocrinology*. 2017;158(6):1715-1726.
 - Wang L, Roth T, Abbott M, Ho L, **Wattanachanya L**, Nissenson RA. Osteoblast-derived FGF9 regulates skeletal homeostasis. *Bone*. 2017; 98:18-25.

Abstracts Accepted for Oral & Poster Presentation:

- **Lalita Wattanachanya**, Susan Millard, Wei-Dar Lu, Hsiao EC, Conklin BR and Robert A. Nissenson. Global Transcriptome Analysis of Osteoblasts in Transgenic Models of Manipulated G Protein Signaling. Poster presentation, ASBMR meeting 2011, San Diego, USA.
- Liping Wang, Dylan O'Carroll, **Lalita Wattanachanya** and Robert A. Nissenson. Blockade of Endogenous Gi Signaling in Osteoblasts Stimulates Bone Formation and Prevents Age-Related Bone Loss. Poster presentation, ASBMR meeting 2011, San Diego.
- **Lalita Wattanachanya**, Liping Wang, Wei-Dar Lu, Hsiao EC, Conklin BR and Robert A. Nissenson. Intramembranous Bone Formation in a Transgenic Model of Constitutive Gs-G Protein Signaling in Osteoblasts. Poster presentation, ASBMR meeting 2012, Minneapolis, USA.
- Liping Wang, Dylan O'Carroll, **Lalita Wattanachanya** and Robert A. Nissenson. Blockade of Endogenous Gi Signaling in Osteoblasts Accelerates Bone Fracture Healing. Poster presentation, ASBMR meeting 2012, Minneapolis, USA.
- **Lalita Wattanachanya**, Jureeporn Jantrapakde, Anchalee Avihingsanon, Reshmie Ramautarsing, Nipat Teeratakulpisarn, Tanate Jadwattanakul, Nittaya Phanuphak and Praphan Phanuphak. Bone Mineral Density and Vitamin D Status

in antiretroviral-naïve HIV-infected Thais: A Preliminary Result from a Five-Year Prospective Cohort Study. Poster presentation, ASBMR meeting 2014, Houston, USA.

- **Lalita Wattanachanya**, Sumittra Charoenhirunyngyos, Voranuch Thanakit and Weerapan Khovidhunkit. Paget's Disease of Bone in Thailand: Clinical Characteristics and Genetic Studies of the Three Sporadic Cases. Poster presentation, ASBMR meeting 2015, Washington, USA.
- Poranee Ganokroj, Natnicha Houngngam, **Lalita Wattanachanya**. The Association of Gender, Antiepileptic Drug Use and Hypovitaminosis D among Patients with Epilepsy. Poster presentation, ASBMR meeting 2016, Atlanta, USA.
- **Lalita Wattanachanya**, Tanakorn Apornpong, Tanya Do, Supalak Klungklang, Sarat Sunthornyothin and Anchalee Avihingsanon. Low Bone Mass among Aging HIV-infected Patients Compared to HIV-uninfected Controls in Thailand. Poster presentation, ASBMR meeting 2017, Denver, USA.
- Lalita Lohawijarn , Natnicha Houngngam, Sompongse Suwanwalaikorn, **Lalita Wattanachanya**. Optimal Initial Dose of Ergocalciferol Supplementation for Treatment of Hypovitaminosis D in Thai Adults: A Randomized, Double-blinded, Dose-Comparison Study. Oral Presentation, Thai Osteoporosis Foundation (TOPF) training course 2018, Bangkok, Thailand

Manuscripts Submitted for Publication:

- **Lalita Wattanachanya**, Jureeporn Jantrapakdec , Anchalee Avihingsanon^{d,e}, Reshmie Ramautarsing^c, Stephen Kerr^d, Deondara Trachunthong^c, Kanitta Pussadeed, Nipat Teeratakulpisarn^c, Tanate Jadwattanakul^f, Tawatchai Chaiwatanarat^g, Patinut Buranasupkajorna, Nittaya Phanuphak^c, Sarat Sunthornyothina^b, Praphan Phanuphak^{c,d} and TNT 003 study team. Antiretroviral-naïve HIV-infected patients had lower bone formation markers than HIV-uninfected adults. **(under review, AIDS care)**