

CURRICULUM VITAE

Name: Natthinee Charatcharoenwiththaya

Date of Birth: June 20, 1971

Address: Division of Endocrinology and Metabolism, Department of Medicine,
Faculty of Medicine, Thammasat University.
Paholyothin Road, Klong Luang, Pathumthani, Thailand. 12120
Tel: 02-9269794
Fax: 02-9269793

Position: Associate professor

Academic Administrative Appointments:

Administrative Board, Thai Endocrine Society 2014-present
Research Committee, Thai Endocrine Society 2014-present
Administrative Board, Thai Osteoporosis Foundation 2015-present
Academic Chair, Thai Osteoporosis Foundation 2015-present

Education: 1995 M.D.
Faculty of Medicine Siriraj Hospital,
Mahidol University, Thailand.

Training: 1996-1999 Resident in Internal Medicine
Faculty of Medicine Siriraj Hospital
Mahidol University, Thailand.

2000-2002 Clinical Fellow in Endocrinology and Metabolism
Faculty of Medicine Ramathibodi Hospital
Mahidol University, Thailand.

2005-2007 Research Fellow in Endocrinology and Metabolism
Endocrine Research Unit,
Mayo Clinic College of Medicine,
Rochester, Minnesota, USA.

2006-2007 Clinical Research Training Program
Mayo Graduate School College of Medicine
Rochester, Minnesota, USA.

Qualifications:

1995 M.D.

1997 Certificate in Higher Medical Science

1999 Diplomate, Thai Board of Internal Medicine

2002 Diplomate, Thai Board of Endocrinology and Metabolism

2007 Certificate of Postdoctoral Fellowship in Endocrinology and
Metabolism (Mayo Clinic College of Medicine)

2008 Certificate in Clinical and Translational Science
(Mayo Graduate School College of Medicine)

Professional Societies:

1995-present Medical Council of Thailand

1999-present Royal College of Physicians of Thailand

2000-present Endocrine Society of Thailand

2001-present Endocrine Society

2002-present Thai Hypertension Society

2003-present Thai Society for the Study of Obesity

2010-present Osteoporosis Experts Society (TOPES) under
the Thai Osteoporosis Foundation

Awards:

1. **Endocrine Society Award for Distinguished Research in Endocrinology**

From the Annual Meeting of Endocrine Society of Thailand, Bangkok, Thailand 7-8 November, 2013

2. **Endocrine Society Award for Distinguished Research in Endocrinology**

From the Annual Meeting of Endocrine Society of Thailand, Bangkok, Thailand 8-9 November, 2012

3. **Best Oral Presentation** from the 16th Asean Federation of Endocrine Societies Meeting, Ho Chi Min City, Vietnam 18-20 November, 2011

4. **Best Poster Presentation** from the 16th Asean Federation of Endocrine Societies Meeting, Ho Chi Min City, Vietnam 18-20 November, 2011

Presentations:

1. **Natthinee Charatcharoenwitthaya**, Thanapong Waitayawinyu, Waraporn Srikhum, La-or Chailurkit, Suwannee Chanprasertyothin, Boonsong Ongphiphadhanakul. Bone Morphogenetic Protein 6 (BMP 6) Gene Variant and Skeletal Response to Calcium and Vitamin D Supplementation. The 98th Endocrine Society Annual Meeting, Boston, Massachusetts, USA: 1-4 April, 2016

2. **Natthinee Charatcharoenwitthaya**, Charintip Somprasit, Athita Chanthasenanont, Laor Chailurkit, Boonsong Ongphiphadhanakul. Free 25 hydroxyvitamin D, polymorphism in vitamin D-binding protein gene, and the risk of gestational diabetes mellitus. The 18th Asean Federation of Endocrine Societies Meeting, Kuala Lumpur, Malaysia: 10-13 December, 2015

3. **Natthinee Charatcharoenwitthaya**, Charintip Somprasit, Athita Chanthasenanont, Laor Chailurkit, Boonsong Ongphiphadhanakul. Bisphenol A exposure and the risk of gestational diabetes mellitus. The 97th Endocrine Society Annual Meeting, San Diego, California, USA: 5-8 March, 2015.

4. **Natthinee Charatcharoenwitthaya**, Charintip Somprasit, Athita Chanthasenanont, Laor Chailurkit, Suwannee Chanprasertyothin, Boonsong Ongphiphadhanakul. Maternal vitamin D status, polymorphism in vitamin D-binding protein gene, and the risk of gestational diabetes mellitus. The joint meeting of the International Society of

Endocrinology and The Endocrine Society: ICE/ENDO 2014, Chicago, Illinois, USA: 21-24 June, 2014.

5. **Natthinee Charatcharoenwitthaya**, Boonsong Ongphiphadhanakul, Elizabeth N. Pearce, Charintip Somprasit, Athita Chanthasenanont, Xuemei He, Laor Chailurkit, Lewis E. Braverman. The association between perchlorate and thiocyanate exposure and thyroid function in first-trimester pregnant Thai women. The Annual Meeting of Endocrine Society of Thailand, Bangkok, Thailand: 7-8 November, 2013.
6. **Natthinee Charatcharoenwitthaya**, Elizabeth N. Pearce, Charintip Somprasit, Athita Chanthasenanont, Xuemei He, Boonsong Ongphiphadhanakul, Lewis E. Braverman. The association between perchlorate and thiocyanate exposure and thyroid function in first-trimester pregnant Thai women. The 83rd Annual Meeting of the American Thyroid Association, San Juan, Puerto Rico, USA: 16-20 October, 2013.
7. **Charatcharoenwitthaya N**, Nanthakomon T, Somprasit C, Chanthasenanont A, Chailurkit L, Pattaraarchachai J, Ongphiphadhanakul B. Maternal vitamin D status during the course of pregnancy in pregnant Thai women. The Annual Meeting of Endocrine Society of Thailand, Bangkok, Thailand: 8-9 November, 2012
8. **Charatcharoenwitthaya N**, Nanthakomon T, Somprasit C, Chanthasenanont A, Chailurkit L, Pattaraarchachai J, Ongphiphadhanakul B. Maternal vitamin D status during the course of pregnancy in pregnant Thai women. The 94th Endocrine Society Annual Meeting, Houston, Texas, USA: 23-26 June, 2012
9. **Charatcharoenwitthaya N**, Witoon R, Tantichutinant N, Panpitpat P. Effects of telephone visits on glycemic control and lifestyle modifications in poorly controlled insulin treated type 2 diabetes. The 16th Asean Federation of Endocrine Societies Meeting, Ho Chi Min City, Vietnam: 18-20 November, 2011
10. **Charatcharoenwitthaya N**, Tantichutinant N, Witoon R. Factors associated with clinical inertia in management of type 2 diabetes mellitus. The 16th Asean Federation of Endocrine Societies Meeting, Ho Chi Min City, Vietnam: 18-20 November, 2011
11. **N. Charatcharoenwitthaya**, A. Ng, S. Kumar, S.V. Rajkumar, R.A. Kyle, S.J. Achenbach, M.F. Holets, L.K. McCready, S. Amin, M.T. Drake. Monoclonal gammopathy of undetermined significance is associated with microarchitectural changes at the ultradistal radius. IOF World Congress on Osteoporosis, 2008
12. Eghbali-Fatourehchi GZ, **Charatcharoenwitthaya N**, Khosla S. Identification and characterization of circulating Stro-1 positive cells. The 28th Annual Meeting of the American Society for Bone and Mineral Research, 2006

13. **Charatcharoenwiththaya N**, Khosla S, Atkinson EJ, McCready LK, Riggs BI. Role of tumor necrosis factor α and interleukin-1 in mediating increased bone resorption induced by postmenopausal estrogen deficiency. The 28th Annual Meeting of the American Society for Bone and Mineral Research, 2006
14. **Charatcharoenwiththaya N**, Thongbuaban S, Porntisan S, Tharavanij T, Sritipsukho P. Prevalence of subclinical Cushing's syndrome in type 2 diabetes with features of metabolic syndrome. The 16th Annual Meeting, The Endocrine Society of Thailand, 2004
15. **Intarasupht N**, Choksuwattanasakul P, Ongphiphadhanakul B. Outcome of I-131 treatment in patient with Graves' disease that received propylthiouracil or methimazole as pretreatment. The 13th Annual Meeting, The Endocrine Society of Thailand, 2001

Publications:

1. T. Songpatanasilp, C. Sritara, W. Kittisomprayoonkul, S. Chaiumnuay, H. Nimitphong, **N. Charatcharoenwiththaya**, C. Pongchaiyakul, S. Namwongphrom, T. Kitumnuaypong, W. Srikam, P. Dajpratham, V. Kuptniratsaikul, U. Jaisamrarn, K. Tachatraisak, S. Rojanasthien, P. Damrongwanich, W. Wajanavisit, S. Pongprapai, B. Ongphiphadhanakul, N. Taechakraichana. Thai Osteoporosis Foundation (TOPF) position statements on management of osteoporosis. *Osteoporosis and Sarcopenia* 2016; 2 (4): 191-207.
2. **Charatcharoenwiththaya N**, Ongphiphadhanakul B, Pearce EN, Somprasit C, Chanthasenanont A, He X, Chailurkit L, Braverman LE. The association between perchlorate and thiocyanate exposure and thyroid function in first-trimester pregnant Thai women. *J Clin Endocrinol Metab* 2014; 99 (7): 2365-71.
3. **Charatcharoenwiththaya N**, Nanthakomon T, Somprasit C, Chanthasenanont A, Chailurkit LO, Pattaraarchachai J, Ongphiphadhanakul B. Maternal vitamin D status, its associated factors and the course of pregnancy in Thai women. *Clin Endocrinol (Oxf)* 2013; 78: 126-33.
4. Ng AC, Khosla S, **Charatcharoenwiththaya N**, Kumar SK, Achenbach SJ, Holets MF, McCready LK, Melton LJ3rd, Kyle RA, Rajkumar SV, Drake MT. Bone microstructural changes revealed by HRpQCT imaging and elevated DKK1 and MIP-1a levels in patients with monoclonal gammopathy of undetermined significance. *Blood* 2011; 118 (25): 6529-34.
5. **Charatcharoenwiththaya N**. Calcium supplement and cardiovascular events. *Endocrine and DM Update. CVM; December 2011: 20-22.*

6. **Charatcharoenwiththaya N**, Witoon R, Tantichutinant N, Panpitpat P. Effects of telephone visits on glycemic control and lifestyle modifications in poorly controlled insulin treated type 2 diabetes. *Journal of the Asean Federation of Endocrine Societies (JAFES)* 2011 Nov; 26 (2 suppl): S50.
7. **Charatcharoenwiththaya N**, Tantichutinant N, Witoon R. Factors associated with clinical inertia in management of type 2 diabetes mellitus. *Journal of the Asean Federation of Endocrine Societies (JAFES)* 2011 Nov; 26 (2 suppl): S69.
8. Porntisan S, **Charatcharoenwiththaya N**, Tharavanij T. Prevalence of peripheral arterial disease in type2 diabetes in Thammasat University Hospital. *The Journal of Thammasat University Medical School*. 2008 Jan-Mar; 8(1): 32-9.
9. Jongjaroenprasert W, Chanprasertyotin S, Butadej S, Nakasatien S, **Charatcharoenwiththaya N**, Himathongkam T, Ongphiphadhanakul B. Association of genetic variants in GABRA3 gene and thyrotoxic hypokalaemic periodic paralysis in Thai population. *Clin Endocrinol (Oxf)*. 2008 Apr; 68(4): 646-51.
10. Eghbali-Fatourehchi GZ, Modder UI, **Charatcharoenwiththaya N**, Sanyal A, Undale AH, Clowes JA, Tarara JE, Khosla S. Characterization of circulating osteoblast lineage cells in humans. *Bone*. 2007 May; 40(5): 1370-7.
11. **Charatcharoenwiththaya N**, Khosla S, Atkinson EJ, McCready LK, Riggs BL. Effect of blockade of TNF-alpha and interleukin-1 action on bone resorption in early postmenopausal women. *J Bone Miner Res*. 2007 May; 22(5): 724-9.
12. **Intarasupht N**, Hunsapinyo K, Rajatanavin R. Treatment of tuberculous thyroiditis with repeated puncture drainage and antituberculous medications. *Intern Med J Thai* 2003; 19(1): 48-51.

Chapters:

1. **Charatcharoenwiththaya N**. Safety of osteoporosis drugs. In: Chaicharn Deerochanawong, editor. *Endocrinology in Clinical Practice 2016*. The 31st Annual Meeting of Endocrinology in Clinical Practice, Thai Endocrine Society; 2016. Bangkok: Crystal House Press; 2016. p. 290-315.
2. **Charatcharoenwiththaya N**. Common complications of osteoporosis therapies. In: Thawee Songpatanasilp, editor. *Holistic Management of Osteoporotic Fractures*. ISBN: 978-616-92327-0-4. Beyond Enterprise Company Limited; 2015. P. 795-814.
3. **Charatcharoenwiththaya N**. Glucocorticoid-induced osteoporosis. In: Chaicharn Deerochanawong, editor. *Endocrinology in Clinical Practice 2015*. The 30th Annual Meeting of Endocrinology in Clinical Practice, Thai Endocrine Society; 2015. Bangkok: Crystal House Press; 2015. p. 262-276.

4. **Charatcharoenwitthaya N.** Management of pregestational diabetes. In: Chaicharn Deerochanawong, editor. Endocrinology in Clinical Practice 2014. The 29th Annual Meeting of Endocrinology in Clinical Practice, Thai Endocrine Society; 2014. Bangkok: Crystal House Press; 2014. p. 1-15.
5. **Charatcharoenwitthaya N.** Approach to Hypertension with Hypokalemia. In: Chaicharn Deerochanawong, editor. Endocrinology in Clinical Practice 2013. The 28th Annual Meeting of Endocrinology in Clinical Practice, Thai Endocrine Society; 2013. Bangkok: Crystal House Press; 2013. p. 148-162.
6. **Charatcharoenwitthaya N.** Thyrotoxicosis. Recommendations for Thyroid Disorders 2013, Thai Endocrine Society; Bangkok Publishing Company Limited; 2013. p. 49-87.
7. **Charatcharoenwitthaya N.** Update in thyrotoxicosis. In: Chaicharn Deerochanawong, editor. Endocrinology in Clinical Practice 2012. The 27th Annual Meeting of Endocrinology in Clinical Practice, Thai Endocrine Society; 2012. Bangkok: Crystal House Press; 2012. p. 178-213.
8. **Charatcharoenwitthaya N.** Drug therapies for osteoporosis: when, which and how long to use? In: Chaicharn Deerochanawong, editor. Endocrinology in Clinical Practice 2011. The 26th Annual Meeting of Endocrinology in Clinical Practice, Thai Endocrine Society; 2011. Bangkok: Crystal House Press; 2011. p. 115-147.
9. **Charatcharoenwitthaya N.** Hyperglycemic crises. In: Natthinee Charatcharoenwitthaya, Piyanuch Kongtim, Pimjai Anthanont, et al., editors. Emergency Medicine; 2010. Bangkok: Bangkok Publishing Company Limited; 2010. p. 111-128.
10. **Charatcharoenwitthaya N.** Diagnosis and management of vitamin D deficiency. In: Chaicharn Deerochanawong, editor. Endocrinology in Clinical Practice 2010. The 25th Annual Meeting of Endocrinology in Clinical Practice, Thai Endocrine Society; 2010. Bangkok: Crystal House Press; 2010. p. 160-181.
11. **Charatcharoenwitthaya N.** Medical Options for Primary Hyperparathyroidism. In: Chaicharn Deerochanawong, editor. Endocrinology in Clinical Practice 2009, the 24th Annual Meeting of Endocrinology in Clinical Practice, Thai Endocrine Society; 2009. Bangkok: Crystal House Press; 2009. P. 147-155.
12. **Charatcharoenwitthaya N.** Diabetes Mellitus. In: Kulkantrakorn K. ed. Medicine 1, Faculty of Medicine, Thammasat University. Bangkok: Thammasat University Publication, 2005: 104-127.