



Subramaniam Tavintharan

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Research Interests:

- Foot Complications in Patients with Diabetes Mellitus
- Diabetes Mellitus Neuropathy, Etiology and Pathogenesis
- Familial Hypercholesterolemia and Other Hyperlipidemia

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Biography

Assoc Prof Tavintharan received his medical degree from the National University of Singapore (NUS) in 1989 and is a Fellow of Royal College of Physicians (Edinburgh) since 2003. For his outstanding research work, he was awarded the NMRC Research Fellowship to further his research training from 2008 – 2011 and MOH Healthcare Research Scholarship to pursue a Master of Clinical Investigation program in NUS in 2011. He completed his HMDP fellowship at the Heart Research Institute in Sydney under the mentorship of Professor Philip Barter. He is also the receiver for the Alexandra Health Researcher Investigator Scientist Enabler award FY2017-2019 to enable him to deepen his research capabilities.

Assoc Prof Tavin is interested in diabetes mellitus, foot complications in diabetes mellitus and familial hypercholesterolemia. He has published in several high impact peer-reviewed journals like *Metabolism*. One of the notable recognition for his research work is the recent NHG Research Awards 2019 – Outstanding Research Impact in 2019 for his study, “Familial Hypercholesterolemia: Case identification, Assessment and Reduction in Adverse Events (FHCARE)”.

Selected Publications

- Tavintharan S, Ning Cheung, Su Chi Lim, Wanting Tay, Anoop Shankar, E Shyong Tai, Tien Y Wong. **Prevalence and Risk Factors for Peripheral Artery Disease in an Asian Population with Diabetes Mellitus.** *Diabetes and Vascular Disease Research.* 2009; 6:80-86.
- Rajmohan L, Woon Puay Koh, Jonathan Phang, Tavintharan S. **Peripheral Arterial Disease in Community- Based Patients with Diabetes in Singapore: Results from a Primary Health Care Study.** *Ann Acad Med Singapore.* 2010; 39(7):525-7.
- Hoe J, Koh WP, Jin A, Sum CF, Lim SC, Tavintharan S. **Predictors of Decrease in Ankle-brachial Index among Patients with Diabetes Mellitus.** *Diabet Med.* 2012. doi: 10.1111/j.1464-5491.2012.03705x.
- Pek SL, Tavintharan S, Wang X, Lim SC, Woon K, Yeoh LY, Ng X, Liu J, Sum CF. **Elevation of a Novel Angiogenic Factor, Leucine-rich- α 2-glycoprotein (LRG1), is Associated with Arterial Stiffness, Endothelial Dysfunction, and Peripheral Arterial Disease in Patients with Type 2 Diabetes.** *J Clin Endocrinol Metab.* 2015; 100(4):1586-93.

- Pek SLT, Sum CF, Yeoh LY, Lee SBM, Tang WE, Lim SC, Tavintharan S. **Association of Apolipoprotein-CIII (apoC-III), Endothelium-dependent Vasodilation and Peripheral Neuropathy in a Multi-ethnic Population with Type 2 Diabetes.** *Metabolism*. 2017; 72:75-82.
- Zhang X, Low S, Sum CF, Tavintharan S, Yeoh LY, Liu J, Li N, Ang K, Lee SB, Tang WE, Lim SC. **Arterial Stiffness is an Independent Predictor for Albuminuria Progression among Asians with Type 2 Diabetes-A prospective Cohort Study.** *J Diabetes Complications*. 2017; 31(6):933-938.

Notable Research Awards & Grants From Past 5 Years

| Name of Awards & Grants | Year Obtained |
|---|---------------|
| Alexandra Health Fund for "SIGII/15202 - Endothelial Dysfunction, Vascular Stiffness and the risk of Peripheral Artery Disease: A Prospective Study in Patients with Type 2 Diabetes Complicated with Chronic Kidney Disease Stage 3" | 2015 |
| Alexandra Health Fund for "STAR16104 - Combination of molecular genetic testing and clinical diagnosis for familial hypercholesterolemia (FH) / Autosomal Dominant Hypercholesterolemia (ADH)" | 2016 |
| Alexandra Health Researcher Investigator Scientist Enabler Award | 2017 |
| Alexandra Health Fund for "AHEG1712 - Use of quantitative thermal sensory testing and Ipswich Touch Test in patients with diabetic peripheral neuropathy" | 2017 |
| NHG Research Awards – Outstanding Research Impact for "Familial Hypercholesterolemia: Case identification, Assessment and Reduction in Adverse Events (FHCARE)" | 2019 |