



Serena Low Kiat Mun

Consultant, Clinical Research Unit/Diabetes Centre, AdMC, KTPH
PhD student, Lee Kong Chian School of Medicine, NTU

Research Interests:

- Type 2 Diabetes
- Diabetic Kidney Disease
- Sarcopenia
- Cognitive Impairment

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Biography

Dr Serena Low is currently a Consultant with the KTPH Clinical Research Unit (CRU). She received her medical degree from the National University of Singapore (NUS) in 2002. She continued her studies in public health and graduated with a Master of Science (MSc) in Public Health from the University of London in 2007 and Diploma in Public Health from the London School of Hygiene and Tropical Medicine in 2008. She completed her Advanced Specialty Training in Public Health in 2010 and is currently pursuing a PhD (Medicine) with the Lee Kong Chian School of Medicine since 2019.

Dr Low has published as first author in several high impact peer-reviewed journals. She is the winner of AFES Investigator Award and Best Oral Presentation Award at both 19th and 20th Biennial Scientific Meeting of the ASEAN Federation of Endocrine Societies held in 2017 and 2019 respectively. She also received awards for Basic Science / Translational Research Poster Award Category in 2018 (Silver) and Singapore Clinical Investigator Award category in 2019 (Gold) at the annual Singapore Health and Biomedical Congress.

Selected Publications

- Low S, Zhang X, Wang J, Yeoh LY, Liu YL, Ang KKL, Tang WE, Kwan PY, Tavintharan S, Sum CF, Lim SC. **Long-term Prospective Observation Suggests that Glomerular Hyperfiltration is Associated with Rapid Decline in Renal Filtration Function: A Multiethnic Study.** *Diab Vasc Dis Res.* 2018; 15:417-423.
- Low S, Zhang X, Wang J, Yeoh LY, Liu YL, Ang SF, Tavintharan S, Sum CF, Lim SC. **Impact of Haemoglobin A1c Trajectories on Chronic Kidney Disease Progression in Type 2 Diabetes.** *Nephrology.* 2019; 24:1026-1032.
- Low S, Goh KS, Ng TP, Ang SF, Moh A, Wang J, Ang K, Tavintharan S, Sum CF, Lim SC. **The Prevalence of Sarcopenic Obesity and its Association with Cognitive Performance in Type 2 Diabetes in Singapore.** *Clin Nut.* 2020; 39:2274-2281.
- Low S, Goh KS, Ng TP, Lim CC, Moh A, Ang SF, Wang J, Goh KS, Ang K, Tang WE, Kwan PY, Tavintharan S, Sum CF, Lim SC. **Association between Lower Extremity Skeletal Muscle Mass and Impaired Cognitive Function in Type 2 Diabetes.** *Sci Rep* 2020; 10:2956.

- Low S, Goh KS, Ng TP, Lim CC, Ang SF, Moh A, Wang J, Yap P, Cheong CY, Goh KS, Ang K, Tang WE, Kwan PY, Tavintharan S, Sum CF, Lim SC. **Higher Ratio of Extracellular to Total Body Water was Associated with Reduced Cognitive Function in Type 2 Diabetes.** *J Diabetes.* 2020. <https://doi.org/10.1111/1753-0407.13104>.

Notable Research Awards & Grants From Past 5 Years

Name of Awards & Grants	Year Obtained
Singapore Health and Biomedical Congress, Singapore (Bronze for Singapore Clinical Investigator Award Category) for “Role of triglyceride glucose index in the development of type 2 diabetes mellitus – novel insights from a large community cohort in Singapore”	2017
Winner of AFES Investigator Award – Oral presentation at the 19 th Biennial Scientific Meeting of the ASEAN Federation of Endocrine Societies, Yangon, Myanmar for “Serum creatinine variability as a novel biomarker predictive of albuminuria progression in type 2 diabetes mellitus – discovery and validation in two longitudinal cohorts”	2017
Singapore Health and Biomedical Congress, Singapore (Silver for Basic Science/ Translational Research Poster Award Category) for “Matrix metalloproteinase and, pentosidine, an advanced glycation end product: Navigating the pathophysiology of arterial stiffness in Type 2 Diabetes”	2018
Singapore Health and Biomedical Congress, Singapore (Gold for Singapore Clinical Investigator Award Category) for “Pulsatile components of blood pressure – a new dimension to the paradigm of cognition in type 2 diabetes”	2019
Best Oral Presentation Award at the 20 th Biennial Scientific Meeting of the ASEAN Federation of Endocrine Societies, Manila, Philippines for “The role of pulse pressure in navigating the paradigm of chronic kidney disease progression”	2019
National Medical Research Council (NMRC) Research Training Fellowship (RTF)	2019
NHG-LKCMedicine Clinician Scientist Fellowship (CSF)	2019