



Matthew Tay Rong Jie

Consultant, Rehabilitation Medicine, TTSH

Research Interests:

- Musculoskeletal rehabilitation
- Cancer rehabilitation
- Rehabilitation Innovation

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Biography

Dr Matthew Tay is a rehabilitation physician at Tan Tock Seng Hospital (TTSH). He received his basic medical training at the Yong Loo Lin School of Medicine, National University of Singapore, and did his post-graduate training in Rehabilitation Medicine in the National Healthcare Group. He also obtained a Masters in Clinical Investigation from the National University of Singapore.

His research focus is in understanding the relationship between neuro-musculoskeletal disease and human function. He is also interested in the role of individualized rehabilitative interventions, non-surgical musculoskeletal therapies and innovative use of rehabilitative technology to optimize the functional outcomes of patients. Additionally, he is also investigating the role of rehabilitation in improving health outcomes in cancer survivors. He has collaborated in projects with various academic and industry partners, including Lee Kong Chian School of Medicine and Rehabilitation Research Institute of Singapore.

Selected Publications

- Wong CJ, Tay MRJ, Aw HZ. Prevalence and Risk Factors of Adhesive Capsulitis in Asian Breast Cancer Patients Undergoing an Outpatient Community Cancer Rehabilitation Program. *Arch Phys Med Rehabil.* 2020; S0003-9993(20):31153-9.
- Tay MRJ, Sian SCSH, Eow CZ, Ho KLK, Ong JH, Sirisena D. Ultrasound-Guided Lumbar Spine Injection for Axial and Radicular Pain: A Single Institution Early Experience. *Asian Spine J.* 2021; 15(2):216-223.
- Tay MRJ, Wong CJ. Cancer Rehabilitation-Improving Cancer Survivorship in Singapore. *Asia Pac J Oncol Nurs.* 2021; 8:346-8.
- Tay MRJ, Wong CJ, Aw HZ. Prevalence and associations of axillary web syndrome in Asian women after breast cancer surgery undergoing a community-based cancer rehabilitation program. *BMC Cancer.* 2021; 21:1019.
- Kim JM, Tay MRJ, Rajeswaran DK, Tham SL, Lui WL, Kong KH. Changes in muscle architecture on ultrasound in patients early after stroke. *NeuroRehabilitation.* 2021; 49(4):565-572. doi: 10.3233/NRE-210257.

Notable Research Awards & Grants from Past 5 Years

Name of Awards & Grants	Year Obtained
Ministry of Health (MOH) Healthcare Research Scholarship	2019