

Loh Yong Joo



Senior Consultant and Head, TTSH Rehabilitation Medicine
Director, Clinical Innovation, CRIO
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Research Interests:

- Neurorehabilitation Technologies
- Serious Gaming in Healthcare

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Biography

Dr Loh Yong Joo is currently a senior consultant and head of department in TTSH Department of Rehabilitation Medicine. His clinical sub-specialty is in neurorehabilitation and research interests are in rehabilitation technologies especially in the areas of virtual reality, wearable sensors, telehealth, serious gaming, robotics and AI/deep learning in rehabilitation. He is currently also Director of Clinical Innovations in TTSH Clinical Research & Innovation Office (CRIO), member of TTSH Clinical Research Committee and Clinical Director of NHG/LKC Games for Health Innovations Centre (ALIVE). He has also completed Masters in Clinical Investigator program in 2014.

Selected Publications

- Loh YJ, Tjan SY, Xu D, Thia E, Chia PF, Kuah CW, Kong KH. A Feasibility Study Using Interactive Commercial Off-the-shelf Computer Gaming in Upper Limb Rehabilitation in Patients after Stroke. *J Rehabil Med.* 2010; 42(5):437-441.
- Kong KH, Loh YJ, Thia E, Chai A, Ng CY, Soh YM, Toh S, Tjan SY. Efficacy of a Virtual Reality Commercial Gaming Device in Upper Limb Recovery after Stroke: A Randomized, Controlled Study. *Top Stroke Rehabil.* 2016; 23(5):333-340.
- Hussain A, Budhota A, Hughes CM, Dailey WD, Vishwanath DA, Kuah CW, Yam LH, Loh YJ, Xiang LM, Chua KS, Burdet E, Campolo D. Self-Paced Reaching after Stroke: A Quantitative Assessment of Longitudinal and Directional Sensitivity Using the H-Man Planar Robot for Upper Limb Neurorehabilitation. *Frontiers in Neuroscience.* 2016; 10:477. doi: 10.3389/fnins.2016.00477.

Translating Research Into Healthcare

- Game On – A local study has shown that computer gaming can yield real-life positive results for recovering stroke patients. *NHG Lifewise - Catalyst*. Published April – June 2019.
<https://corp.nhg.com.sg/EbooksLibrary/Lifewise/81/readonline.html#page/20>