



## **Tan Xiu Ling**

Senior Consultant, Department of Ophthalmology, TTSH  
Head, Vision Rehabilitation, TTSH Ophthalmology  
Head, Undergraduate Education, TTSH Ophthalmology  
Assistant Professor, Lee Kong Chian School of Medicine, NTU

### **Research and Innovation Interests:**

- Neuro-ophthalmology
- Low vision rehabilitation and tele-rehabilitation
- Serious gaming in healthcare
- Medical technology and innovation
- Medical education

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## **Biography**

Assistant Professor Tan Xiu Ling completed her undergraduate medical training at the Yong Loo Lin School of Medicine, National University of Singapore (NUS) in 2008. She underwent postgraduate training in Ophthalmology and was awarded Masters of Medicine (Ophthalmology) in 2013. She obtained her specialist accreditation in 2016. She was awarded the Singapore Ministry of Health Manpower Development Programme (HMDP) Scholarship in 2018 and completed a 1-year clinical fellowship training in Neuro-ophthalmology and Low Vision Rehabilitation at Vancouver General Hospital, University of British Columbia, Canada.

Asst Prof Tan is presently a Senior Consultant Ophthalmologist and the Head of Vision Rehabilitation Service with the Department of Ophthalmology, Tan Tock Seng Hospital (TTSH). She heads the undergraduate medical education team as well. In addition, she is the Principal Lead Year 3 Ophthalmology and Clinical Block Lead Year 2 Ophthalmology for the Lee Kong Chian School of Medicine (LKC-SOM).

Asst Prof Tan is active in clinical research. She has presented in many ophthalmology conferences both locally and internationally and has published scientific papers in peer-reviewed international journals. She holds research grants in LKC ALIVE Serious Games Grant, TTSH Community Fund CAPE grant and TTSH Pitch-for-fund programme.

## Selected Publications

- Hong Xie, **Xiu Ling Tan**, Zhiqiang Gao. An Interference-free Implantable Glucose Microbiosensor Based on Use of A Polymeric Analyte-Regulating Membrane. *Frontiers in Bioscience* 2005, May 1;10:1791-801
- Shah JM, Leo SW, Lee TL, **Tan XL**, Pan JC, Wong EP, Yong VK, Lim TH, Teoh SC. A Cytomegalovirus Retinitis Screening Program: Evaluation of Enrollment Criteria for HIV patients in Singapore. *Ocul Immunol Inflammation*. 2015; 23(5):362-70
- **Tan XL**, SC Yap, X Li, Leonard Yip. Comparison of Ethnic-specific Databases in Heidelberg Retina Tomography-3 to Discriminate between Early Glaucoma and Normal Chinese Eyes. *Open Journal of Ophthalmology* 2017 Feb 28; 11:40-46
- **Tan XL**, Seen S, Dutta Majumder P, Ganesh SK, Agarwal M, Soni A, Biswas J, Aggarwal K, Mahendradas P, Gupta V, Ling HS, Teoh S, Pavesio C, Agrawal R. Analysis of 130 cases of Sympathetic Ophthalmia – A Retrospective Multicentre Case Series. *Ocul Immuno Inflamm*. 2018 Sept; 12:1-8

## Notable Research Awards & Grants from Past 5 Years

Name of Awards & Grants	Year Obtained
ALIVE Serious Games Grant (SSG)	2023
TTSH Centre for Allied Health and Pharmacy Excellence (CAPE)	2023

## Translating Research Into Healthcare

- Lim WK, Philemon Huang, **Tan XL**, Joannabell Tan, Lai GL, Elizabeth Wong. The Journey of Automated LogMAR Visual Acuity Assessment System (ALVAAS). *e-CATALYST Newsletter: Accelerating Research* (Newsletter of National Healthcare Group) Issue 22, July-August 2015