

Dr Foo Li Lian (符丽联)

MD, FRCOphth, MMed (Ophth), GDFM, BEng (1st class honors)

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WORK APPOINTMENTS

Ophthalmologist at Singapore National Eye Centre

Consultant 2021-Present

Associate Consultant 2019-2021

Myopia Specialist 2021-Present

Myopia Fellow 2019-2021

Senior Resident 2017-2019

Resident 2013-2017

Academic positions

Physician Faculty Member, Singhealth Ophthalmology Residency Program (2021-Present)

Myopia Program Lead, SNEC Fellowship Coordination Committee (2021-Present)

Honorary Committee Member, Singhealth Cluster AI Program (2021-Present)

Clinical Instructor, DUKE-NUS Department of Ophthalmology and Visual Sciences (2020-Present)

Course Director, Myopia Online Training Program (2020-Present)

Advisory Committee, Singapore Polytechnic – Myopia Centre Education Program (2020-Present)

Course Instructor, Curtin Graduate Certificate in Clinical Nursing (Ophthalmology) (2017-Present)

Scholar of Khoo Scholars Programme, Duke-NUS Graduate Medical School (2020-Present)

TRAINING AND EDUCATION

- **Innovation and Entrepreneurship**

- MIT-Harvard Medical School Healthcare Innovation Bootcamp, Boston (2019)

- Elevator Pitch Runner-up

- Eureka-Singapore Monsoon School – Translational Medicine (2018)

- **Ophthalmology**

- Joint Committee on Specialist Training Ophthalmology Exam (2019)

- Fellow Royal College of Ophthalmologist – FRCOphth (2016)

- Master of Medicine in Ophthalmology – MMed (Ophth) (2017)

- **Family Medicine**

- Graduate Diploma in Family Medicine – GDFM (2017)

- **Aesthetic Medicine**

- Certificate of Competency (2015-2016)

- Ablative Lasers for Dermatologic Surgery and Skin Rejuvenation

- Botulinum Toxin A for Aesthetic Application

- Chemical Peels

- Dermal Fillers

- Fractional Photothermolysis Lasers for Skin Rejuvenation

- Laser and IPL assisted Hair removal

- Lasers and IPL for Vascular Disorders

- Intense Pulsed Light for Skin Rejuvenation

- Non-Surgical Skin Tightening Devices
- Pigment Lasers for Pigmentary Skin Disorders

- **Duke-NUS Graduate Medical School**

Doctor of Medicine – MD (2012)

USMLE STEP 1 (2011)

USMLE STEP 2 Clinical Knowledge (CK) (2011)

USMLE STEP 2 Clinical Skills (CS) (2012)

ECFMG (2013)

USMLE STEP 3 (2013)

- **National University of Singapore**

Bachelor in Engineering (Chemical) – BEng (1st Class Honors) (2008)

AWARDS

- Duke-NUS Education Grant: Programme Development of Myopia Online Course - Childhood Myopia Management and Adult Clinical Myopia (2021) - \$49,500 for 3 years
- Duke-NUS Nurturing Clinician Researcher Scheme (2021) - \$150,000 for 3 years
- Khoo Scholar Award, AMRI, DUKE-NUS (2020)
- Elevator Pitch Runner-up at MIT-Harvard Medical School Healthcare Innovation Bootcamp, Boston (2019)
- SingHealth Residents' Committee RISE Award (2014)
- Singapore Society of Ophthalmologists Award for Best Oral Presentation, Runner-Up (2013)
- Young Investigator Award (Clinical) in Singapore General Hospital 19th Annual Scientific Meeting (2011)
- Dean's List (2006)
- NUS Awards for Study Abroad (Exchange Awards) (2006)

LEADERSHIP POSITIONS

- Executive Committee in Young Ophthalmology Society, Singapore (2020)
- Head of Education Committee in Singhealth Residents' Committee (2013)
- Founder and President of the Singapore Ophthalmology Students' Society (2011)
- Vice President (Welfare) of the Student Council in Duke-NUS Graduate Medical School (2010)
- College Representative of Seah Cheng Siang College in Duke-NUS Graduate Medical School (2008)

BOOK AUTHORSHIP

- **Chapter 10 – Pharmacotherapies for Myopia and Ocular Refractive Errors (2022)**

Co-Authorship

Li Lian Foo, Wei Yan Ng, Audrey Chia

Elsevier

- **Fundamental OSCE Guide in Ophthalmology (2019)**

Co-Authorship

Li Lian Foo, Val Phua, Wei Yan Ng, Wong Tien Yin

World Scientific Publishing

- **Practical Guide to VIVA and OSCE in Ophthalmology Examinations (2017)**

Co-Authorship

Li Lian Foo, Wei Yan Ng, Wong Tien Yin

World Scientific Publishing

SCIENTIFIC RESEARCH

- **Panelist and Invited Speaker**

- 35th Singapore-Malaysia Joint Meeting in Ophthalmology in conjunction with 1st Asia-Pacific Ocular Imaging Society Meeting 2020 Allied Health Symposium CME “Innovations in Myopia – New but Better?”: Recent advances in Myopia Imaging: Wide field imaging the way forward? 2020 (Speaker & Panelist)
- ZEISS for online webinar series: The Optometrist & Optician’s Guide to Eye complications Related to High Myopia 2020
- Singapore Optometric Association Congress: Every 'I' Matters webinar 2020 (Panelist)
- LSSC/SNEC Eye Lecture webinar: Management and complications of Myopia 2021
- SNEC Annual Short Nursing Course: The Journey of the Eye: From Young to Old 2021
- National Eye Care Day (SNEC): Childhood Myopia 2021
- Duke-NUS MedTalk Session: The Clinician Innovator – Ophthalmologist Innovator 2021
- AOC-SOA e-Symposium: Ocular diseases caused by increased axial length or high myopia (Topcon) 2021
- Optometric Association of Tamil Nanbargal (OATN) Myopia advocacy: An Insight to Short Sight 2021 (Panelist)
- 33rd APACRS-SNEC 30th Anniversary Meeting masterclass on Managing Myopia Treatment: Updates on Myopia Trials – What works and what doesn’t? 2021 (Speaker & Panelist)
- Global Myopia Symposium: Axial Myopia and the importance in managing it from an Ophthalmologist's perspective 2021 (Speaker & Panelist)
- CooperVision Myopia Management Virtual Symposium (Asia-Pac): Pharmaceutical Interventions and Combination Treatments 2021
- Singapore Optometric Association Conference: Ocular Emergencies: What ECPs need to look out for 2021
- The 5th Japan Myopia Retina Club: Childhood Myopia Management 2021
- GPCME Management of amblyopia and myopia in children 2021
- SNEC Webinar: LASIK and alternatives 2021
- 5TH Asean Ophthalmological Society Congress: AI in Myopia 2022

- **Publications**

Li Lian Foo, Carla Lanca, Chee Wai Wong, Daniel Ting, Ecosse Lamoureux, Marcus Ang, Seang Mei Saw. Cost of Myopia – A systematic Review. *Frontiers in medicine* 2021; 8(2461).

Li Lian Foo, Wei Yan Ng, Gilbert Yong San Lim, Tien-En Tan, Marcus Ang, Daniel SW Ting. Artificial intelligence in myopia: current and future trends, *Current Opinion in Ophthalmology*: September 2021 - Volume 32 - Issue 5 - p 413-424.

Li Lian Foo, Marcus Ang, Chee Wai Wong, Kyoko Ohno-Matsui, Seang-Mei Saw, Tien Yin Wong, Daniel SW Ting. Is Artificial Intelligence a Solution to the Myopia Pandemic? *Br J Ophthalmol*. 2021 Mar 12; [bjophthalmol-2021-319129](#).

Li Lian Foo, Hla Myint Htoon, Saadia Zohar Farooqui, Audrey Chia. Part time use of 1% atropine eye drops for prevention of myopia progression in children. *Int Ophthalmol*. 2020 Jul;40(7):1857-1862.

Li Lian Foo, Monisha E Nongpiur, John C Allen, Shamira A Perera, David S Friedman, Mingguang He, Ching-Yu Cheng, Tien Y. Wong, Tin Aung. Determinants of Angle Width in Chinese Singaporeans. *Ophthalmology*. 2012 Feb;119(2):278-82.

Li Lian Foo, Shamira A Perera, Carol YL Cheung, John C Allen, Ying-Feng Zheng, Seng-Chee Loon, Tien Y Wong, Tin Aung. Comparison of Scanning Laser Ophthalmoscopy and High-Definition Optical Coherence Tomography Measurements of Optic Disc Parameters. *Br J Ophthalmol*. 2012 Apr;96(4):576-80.

Li Lian Foo, Daniel SW Ting, Ng Wei Yan, Quah Boon Long. Novel technique of dog tick removal from the eyelid. *Acta Ophthalmologica*. 2016 Dec;94(8):e819-e820.

Yong Li, Li Lian Foo, Chee Wai Wong, Jonathan Li, Quan V. Hoang, Leopold Schmetterer, Daniel Ting, Marcus Ang. Pathologic Myopia – Advances in Imaging and the Potential Role of Artificial Intelligence. *Br J Ophthalmol* (In Press)

Jane SJ Lim, Merrelynn Hong, Walter ST Lam, Zheting Zhang, Zhen Ling Teo, Liu Yong, Wei Yan Ng, Li Lian Foo, Daniel SW Ting. Novel Technical and Privacy-Preserving Technology for Artificial Intelligence in Ophthalmology. *Current Opinion in Ophthalmology*. (In Press)

Irfahan Kassam, Li-Lian Foo, Carla Lanca, LingQian Xu, Quan V. Hoang, Ching-Yu Cheng, Pirro Hysi, Seang-Mei Saw. The potential of current polygenic risk scores to predict high myopia and myopic macular degeneration in multi-ethnic Singapore adults. *Ophthalmology* (In Press)

Mijie Li, Chuen-Seng Tan, Lingqian Xu, Li-Lian Foo, Fabian Yap, Chen-Hsin Sun, Elaine K.H Tham, Shirong Cai, Marcus Ang, Seang-Mei Saw and Charumathi Sabanayagam. *Frontiers in Public Health*, section Public Health Education and Promotion (In Press)

Gutierrez L, Lim JS, Foo LL, Ng WY, Yip M, Lim GYS, Wong MHY, Fong A, Rosman M, Mehta JS, Lin H, Ting DSJ, Ting DSW. Application of artificial intelligence in cataract management: current and future directions. *Eye Vis (Lond)*. 2022 Jan 7;9(1):3.

Li M, Tan CS, Foo LL, Sugianto R, Toh JY, Sun CH, Yap F, Sabanayagam C, Chong FM, Saw SM. Dietary intake and associations with myopia in Singapore children. *Ophthalmic Physiol Opt*. 2022 Mar;42(2):319-326. doi: 10.1111/opo.12929. Epub 2021 Dec 3. PMID: 34862645.

Lily Wei Yun Yang, Wei Yan Ng, Li Lian Foo, Yong Liu, Ming Yan, Xiaofeng Lei, Xiaoman Zhang, Daniel Shu Wei Ting. Deep learning-based natural language processing in ophthalmology: applications, challenges and future directions. *Curr Opin Ophthalmology* 2021 Sep 1;32(5):397-405.

Lanca C, Kassam I, Patasova K, Foo LL, Li J, Ang M, Hoang QV, Teo YY, Hysi PG, Saw SM. New Polygenic Risk Score to Predict High Myopia in Singapore Chinese Children. *Transl Vis Sci Technol*. 2021 Jul 1;10(8):26. doi: 10.1167/tvst.10.8.26. PMID: 34319387.

Lanca C, Foo LL, Ang M, Tan CS, Kathrani B, Htoon HM, Tan D, Hoang QV, Brennan N, Saw SM, Sabanayagam C. Rapid Myopic Progression in Childhood Is Associated With Teenage High Myopia. *Invest Ophthalmol Vis Sci*. 2021 Apr 1;62(4):17. doi: 10.1167/iovs.62.4.17.

Li M, Lanca C, Tan CS, Foo LL, Sun CH, Yap F, Najjar RP, Sabanayagam C, Saw SM. Association of time outdoors and patterns of light exposure with myopia in children. *Br J Ophthalmol*. 2021 Apr 15;[bjophthalmol-2021-318918](#).

Wong Chee Wai, Li Lian Foo, Priya Morjaria, Ian Morgan, Andreas Mueller, Amanda Davis, Drew Keys, Ming Guang He, Padmaja Sankaridurg, Jian Feng Zhu, Peter Hendicott, Donald Tan, Seang Mei Saw, Ching Yu Cheng, Ecosse Lamoureux, Johnathan Crowston, Chui Ming Gemmy Cheung, Chelvin Sng, Cordelia Chan, Doric Wong, Shu Yen Lee, Rupesh Agrawal, Donny Hoang, Xin Yi Su, Adrian Koh, Cheryl Ngo, Hao Chen, Pei Chang Wu, Audrey Chia, Jost B. Jonas, Tien Yin Wong, Marcus Ang. Highlights from the 2019 International Myopia Summit on 'controversies in myopia. Br J Ophthalmol. 2020 Aug 18;bjophthalmol-2020-316475.

Chelvin C. A. Sng, Li Lian Foo, Ching-Yu Cheng, John C. Allen, Mingguang He, Gita Krishnaswamy, Monisha E Nongpiur, David S Friedman, Tien-Yin Wong, Tin Aung. Determinants of Anterior Chamber Depth: The Singapore Chinese Eye Study. Ophthalmology. 2012 Jun;119(6):1143-50.

Shamira A Perera, Li Lian Foo, Carol YL Cheung, John C Allen, Yih Chung Tham, Seng-Chee Loon, Tin Aung. Lack of Agreement of Vertical Cup-to-Disc Ratio Measurements from Heidelberg Retinal Tomograph 3 and Cirrus Optical Coherence Tomography with Clinical Assessment. J Glaucoma. 2016 Feb;25(2):198-202.

Yong Kuei Lim, Rama Padma, Li Lian Foo, Yin Nin Chia, Phillip Yam, John Chia, HS Khoo-Tan, Swee Peng Yap, Richard Yeo. Survival Outcome of Women with Synchronous Cancers of Endometrium and Ovary: A 10 year retrospective Cohort Study. J Gynecol Oncol. 2011 Dec;22(4):239-43.

Nongpiur ME, Haaland BA, Friedman DS, Perera SA, He M, Li Lian Foo, Baskaran M, Sakata LM, Wong TY, Aung T. Classification Algorithms Based on Anterior Segment Optical Coherence Tomography Measurements for Detection of Angle Closure. Ophthalmology. 2013 Jan;120(1):48-54.

Nongpiur ME, Gong T, Lee HK, Perera SA, Cheng L, Li Lian Foo, He M, Friedman DS, Aung T. Subgrouping of Primary Angle-Closure Suspects Based on Anterior Segment Optical Coherence Tomography Parameters. Ophthalmology. 2013 Dec;120(12):2525-31.

Sng CC, Allen JC, Nongpiur ME, Li Lian Foo, Zheng Y, Cheung CY, He M, Friedman DS, Wong TY, Aung T. Associations of iris structural measurements in a Chinese population: the Singapore Chinese Eye Study. Invest Ophthalmol Vis Sci. 2013 Apr 23;54(4):2829-35.

REFEREE

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