Stanford



Quan (Donny) V. Hoang, MD, PhD

Clinical Associate Professor, Ophthalmology

CLINICAL OFFICE (PRIMARY)

- **Stanford Byers Eye Institute**
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Bio

BIO

Associate Professor Quan (Donny) Hoang, MD, PhD is a clinician-scientist with 19 years experience as an ophthalmologist specialising in surgical retina, medical retina and cataract surgery in myopic patients. In particular, his clinical and research focus is on myopia, and specifically high and pathologic myopia for which he presently holds over $9.6 million USD in independent grant support as a Principal investigator. Dr. Hoang is presently spending a year at Stanford Medicine as his research home and Byers Eye Institute for his clinical and surgical home. He welcomes any medical student, graduate student and potential postdoctoral research fellow with an interest in high and pathologic myopia to join in on his research projects.

Born in Tuscaloosa, Alabama and raised in Emporia, Kansas, Assoc Prof. Hoang graduated from Northwestern University in Chicago with triple-major with honours in Chemistry, Biology and Integrated Science in 1997. He subsequently earned both his Medical Degree (MD) and PhD in Anatomy and Cell Biology from the University of Illinois, where his doctoral thesis won the 2006 Top Life Sciences PhD Thesis Award. He completed his Ophthalmology training at the esteemed Illinois Eye and Ear Infirmary, where he received Top Research Awards in 2009 and 2010.

In 2012, he completed a two-year surgical and medical retina fellowship at Columbia University and VRMNY under world-renowned specialists Stanley Chang, Lawrence Yannuzzi, Richard Spaide and Bailey Freund. He then divided his time between working as a vitreo-retinal surgeon and serving as Director of the High Myopia Laboratory at Columbia University, where he received an NIH K08 Clinician-Scientist Career Development Award and then at Duke-NUS, the Singapore National Eye Centre and the National University of Singapore (NUS).

A/Prof Hoang is a fellow of the prestigious Macula Society, Retina Society, American Academy of Ophthalmology (AAO), American Society of Retina Specialists (ASRS) and Academy of Medicine Singapore (FAMS). He has received numerous accolades, including recognition as one of America's Top Ophthalmologists before relocating to Singapore in 2016. He is well-published with over 125 peer-reviewed high-impact articles and serves as Editorial Board member and/or reviewer for more than ten journals, including editorial board member for Investigative Ophthalmology and Visual Sciences (IOVS) and direct submission Editor for the Proceedings of the National Academy of Sciences (PNAS).

At Stanford, he will continue to divide his time between clinical practice and research, both focused on extreme near-sightedness, a significant cause of blindness, especially in Southeast Asian countries such as Singapore. While mild myopia is merely inconvenient, pathologic myopia involves extreme levels of lifelong, progressive eye elongation and eyewall thinning that can lead to blindness. He employs cutting-edge non-invasive imaging to identify patients at greatest risk of vision loss. Concurrently, he leads laboratory-based studies to discover novel treatments to stunt near-sightedness and prevent blindness.

As a clinician-scientist, his patients inspire his passionate commitment to advancing treatments and cures for retinal disease and blinding disorders. He values his time with patients and strives to provide optimal care, both through existing treatments and by developing new therapies in the laboratory.

Assoc. Prof Hoang holds concurrent appointments as Assoc. Professor (Tenure) at the National University of Singapore, Senior Consultant in Ophthalmology at the National University Hospital of Singapore, Deputy Head of the Myopia Unit at the Singapore Eye Research Institute (SERI) and Adjunct Faculty at the Dept. of Ophthalmology, Columbia University Irving Medical Center in New York.

CLINICAL FOCUS

- Retina Specialist

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Ophthalmology

ADMINISTRATIVE APPOINTMENTS

- Lead, Translational Ocular Imaging, Centre for Innovation & Precision Eye Health, National University of Singapore, (2025- present)
- Deputy Head, Myopia Unit, Singapore Eye Research Institute, (2022- present)

HONORS AND AWARDS

- 2025 Singapore Health Quality Service Star Award, Singapore Health Systems (2025)
- Elected Fellow, ASRS, American Society of Retina Specialists (2022)
- APAO Achievement Award, Asia Pacific Academy of Ophthalmology (2021)
- Elected Fellow, Academy of Medicine Singapore (FAMS), College of Clinician Scientists, and College of Ophthalmology (2020)
- NMRC Clinician Scientist Award, National Medical Research Council (2018 and 2022)
- K08 Mentored Clinical Scientist Development Award, National Institutes of Health/ National Eye Institute (NIH/NEI) (2014-2019)
- Research to Prevent Blindness Career Development Award, Research to Prevent Blindness (2014-2018)
- NIH K12 Clinical Translational Sciences K12 Mentored Career Development Award, National Institutes of Health (Columbia University) (2013-2014)
- Outstanding Thesis Award in the Life Sciences, UIC Graduate College, University of Illinois at Chicago (2006)
- Grass Fellowship in the Neurosciences, Marine Biological Laboratory, Woods Hole, MA (2005)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Fellow of the Academy of Medicine, Singapore (FAMS), Academy of Medicine, Singapore, College of Clinician Scientists, College Ophthalmology (2020 - present)
- Elected Member, The Macula Society (2017 - present)
- Elected Member, The Retina Society (2017 - present)
- Member, Asia Pacific Academy of Ophthalmology (APAO) (2015 - present)
- Elected Fellow, FASRS, American Society of Retina Specialists (ASRS) (2011 - present)

- Fellow, American Academy of Ophthalmology (AAO) (2007 - present)
- Member, Association for Research in Vision and Ophthalmology (ARVO) (2004 - present)

PROFESSIONAL EDUCATION

- Fellowship: Columbia University Medical Center Ophthalmology (2012) NY
- Board Certification: Ophthalmology, American Board of Ophthalmology (2011)
- Residency: University of Illinois at Chicago Ophthalmology Programs (2010) IL
- Internship: McGaw Medical Center of Northwestern University (2007) IL
- Medical Education: University of Illinois at Chicago College of Medicine (2006) IL
- Felllowship, Columbia University and the Vitreous Retina Macula Consultants of New York (VRMNY) , Vitreoretinal Surgery and Medical Retina (2012)
- Residency, Illinois Eye and Ear Infirmary (Chicago, IL) , Ophthalmology (2010)
- Internship, Northwestern University, Feinberg School of Medicine (Evanston Northwestern Healthcare, Evanston, IL) , Internal Medicine Preliminary Year Residency (2007)
- PhD, University of Illinois College of Medicine (Chicago, IL) , Anatomy and Cell Biology (Neuroscience and Biophysics) (2006)
- MD, University of Illinois College of Medicine (Chicago, IL) , Medicine (2006)
- Triple BA, Northwestern University (Evanston, IL) , Chemistry, Biology and Integrated Science (Honors) (1997)

COMMUNITY AND INTERNATIONAL WORK

- Pre-Clinical Research Programme for the Development of Treatments for High and Pathological Myopia
- Leveraging Artificial Intelligence to Elucidate the Complex Interplay between Genetics and Scleral Biomechanics - a New Model of High and Pathologic Myopia Progression

Research & Scholarship

RESEARCH INTERESTS

- Professional Development
- Research Methods

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Assoc. Prof Hoang is a vitreoretinal surgeon and clinician scientist, who concurrently holds positions as Senior Consultant with the Department of Ophthalmology at the National University Hospital (NUH), and directs a laboratory focused on High and Pathologic myopia (extreme near-sightedness) at the National University Singapore (NUS). As Principal Investigator, leading a group of 15 lab members in Singapore that include vision neuroscientists, research optometrists, engineers and ophthalmologist clinician scientists, he has secured local funding that presently nears $10 million USD, which includes National Medical Research Council Clinician-Scientist Awards and Clinician-Scientist Individual Research Grants as well as a Competitive Research Programme grant from the National Research Foundation (NRF). Additionally, he has served as Project Principal Investigator and Co-Investigator for projects totalling $39.4 million.

Assoc Prof Hoang's clinical and research both focus on extreme near-sightedness, a significant cause of blindness, especially in Southeast Asian countries such as Singapore in which 1 out of 11 Singaporeans are highly myopic. While mild myopia is merely inconvenient, pathologic myopia involves extreme levels of lifelong, progressive eye elongation and eyewall thinning that can lead to blindness. He employs cutting-edge non-invasive imaging to identify patients at greatest risk of vision loss. Concurrently, he leads laboratory-based studies to discover novel treatments to stunt near-sightedness and prevent blindness. Specifically, his research team consists of three arms: 1) an engineering arm to develop novel application and novel imaging

devices to predict development and progression of pathologic myopia, 2) a clinical arm and focuses on human imaging studies and 3) a pre-clinical arm (focused on using the guinea pig model of pathologic myopia and staphyloma in which novel treatments are developed).

Publications

PUBLICATIONS

- **Shorter Viewing Distance Reduces Contrast in Man-Made Environments.** *Ophthalmology science*
  Myles, W. E., McFadden, S. A., Hoang, Q. V.
  2026; 6 (1): 100962
- **Association Between Pigmentation Heritage and Susceptibility to Experimentally Induced Myopia: Crossbreeding Insights From Albino and Pigmented Guinea Pigs.** *Investigative ophthalmology & visual science*
  Jiang, L., Dan, Y. S., Myles, W. E., Seah, S. H., Koh, J. H., Khine, M. T., Schmetterer, L., Barathi, V. A., Hoang, Q. V.
  2025; 66 (12): 47
- **The Distribution of Spatial Contrast in Manmade Environments Produces Regional Visual Form Deprivation.** *Investigative ophthalmology & visual science*
  Myles, W. E., McFadden, S. A., Hoang, Q. V.
  2025; 66 (11): 42
- **Can we predict which high myopes will develop pathological myopia?** *Ophthalmic & physiological optics : the journal of the British College of Ophthalmic Opticians (Optometrists)*
  Hoang, Q. V., Flitcroft, I., Rizzieri, N.
  2025; 45 (4): 906-910
- **Comparing IOP-Induced Scleral Deformations in the Myopic and Myopic Glaucoma Spectrums.** *Investigative ophthalmology & visual science*
  Chuangsuwanich, T., Tun, T. A., Braeu, F. A., Chong, R. S., Wang, X., Ho, C. L., Aung, T., Girard, M. J., Hoang, Q. V.
  2024; 65 (13): 54
- **Distortion-Corrected Posterior Ocular Shape in Myopic Eyes Assessed by Ultrawide OCT Detects Deformations Associated With Vision-Threatening Changes.** *Investigative ophthalmology & visual science*
  Tan, B., Shah, J. N., McNabb, R. P., Jayaraman, S., Wong, D., Chua, J., Ang, M., Saw, S. M., Jonas, J. B., Kuo, A. N., Hoang, Q. V., Schmetterer, L.
  2024; 65 (13): 22
- **In-vivo high-frequency quantitative ultrasound-derived parameters of the anterior sclera correlated with level of myopia and presence of staphyloma.** *Clinical & experimental ophthalmology*
  Hoerig, C., Hoang, Q. V., Mamou, J.
  2024; 52 (8): 840-852
- **Biomechanical changes occur in myopic choroidal stroma and mirror those in the adjacent sclera.** *Communications engineering*
  Ito, K., Hoerig, C., Dan, Y. S., McFadden, S. A., Mamou, J., Hoang, Q. V.
  2024; 3 (1): 139
- **Key role for inflammation-related signaling in the pathogenesis of myopia based on evidence from proteomics analysis.** *Scientific reports*
  Jiang, L., Koh, J. H., Seah, S. H., Dan, Y. S., Wang, Z., Chan, X., Zhou, L., Barathi, V. A., Hoang, Q. V.
  2024; 14 (1): 23486
- **Posterior scleral birefringence measured by triple-input polarization-sensitive imaging as a biomarker of myopia progression.** *Nature biomedical engineering*
  Liu, X., Jiang, L., Ke, M., Sigal, I. A., Chua, J., Hoang, Q. V., Chia, A. W., Najjar, R. P., Tan, B., Cheong, J., Bellemo, V., Chong, R. S., Girard, et al
  2023; 7 (8): 986-1000
- **Scleral growth stunting via sub-Tenon injection of cross-linking solutions in live rabbits.** *The British journal of ophthalmology*
  Hoang, Q. V., Wen, Q., Paik, D. C., Chun, Y. Y., Silverman, R., Nagasaki, T., Trokel, S. L., Zyablitskaya, M.
  2023; 107 (6): 889-894
- **High-frequency ultrasound point-of-care device to quantify myopia-induced microstructural changes in the anterior sclera.** *Ophthalmic & physiological optics : the journal of the British College of Ophthalmic Opticians (Optometrists)*
  Hoerig, C., Hoang, Q. V., Aichele, J., Catheline, S., Mamou, J.

2023; 43 (3): 544-557

- **Biomechanical changes in myopic sclera correlate with underlying changes in microstructure.** *Experimental eye research*
  Hoerig, C., McFadden, S., Hoang, Q. V., Mamou, J.
  2022; 224: 109165
- **Choroidal Thickness in Early Postnatal Guinea Pigs Predicts Subsequent Naturally Occurring and Form-Deprivation Myopia.** *Investigative ophthalmology & visual science*
  Jiang, L., Liu, X., Zhou, L., Busoy, J. M., Khine, M. T., Dan, Y. S., Ke, M., Brennan, N. A., Catbagan, K. J., Schmetterer, L., Barathi, V. A., Hoang, Q. V.
  2022; 63 (11): 10
- **3-D assessment of gaze-induced eye shape deformations and downgaze-induced vitreous chamber volume increase in highly myopic eyes with staphyloma.** *The British journal of ophthalmology*
  Hoang, Q. V., Chang, S., Yu, D. J., Yannuzzi, L. A., Freund, K. B., Grinband, J.
  2021; 105 (8): 1149-1154
- **Associations between Intraocular Pressure or Glaucoma Medication with Axial Length and Pathologic Myopia Incidence and Progression** *OPHTHALMOLOGY SCIENCE*
  Wong, M., Li, H., Dan, Y., Lor, S. C. N., Soh, R., Hoang, Q., Chong, R. S.
  2026; 6 (3): 101061
- **Multimodal imaging in subretinal hypopyon endogenous endophthalmitis: Early detection of retinal tear and detachment.** *Retinal cases & brief reports*
  Tan, S. S., Loo, Y., Hoang, Q. V., Yee Chan, A. S.
  2026
- **3D Structural Phenotype of the Optic Nerve Head in Glaucoma and Myopia-A Key to Improving Glaucoma Diagnosis in Myopic Populations.** *American journal of ophthalmology*
  Sharma, S., Braeu, F. A., Chuangsuwanich, T., Tun, T. A., Hoang, Q. V., Chong, R., Perera, S. A., Ho, C. L., Husain, R., Buist, M. L., Aung, T., Girard, M. J.
  2026; 281: 138-150
- **An integrated language-vision foundation model for conversational diagnostics and triaging in primary eye care.** *Cell reports. Medicine*
  Soh, Z. D., Bai, Y., Yu, K., Zhou, Y., Lei, X., Thakur, S., Lee, Z., Phang, L. C., Peng, Q., Xue, C. C., Chong, R. S., Hoang, Q. V., Raghavan, et al
  2025; 6 (12): 102476
- **Diet and myopic macular degeneration in the Aier-SERI high myopia adult cohort study.** *Acta ophthalmologica*
  Cheong, K. X., Chi, M., Pan, W., Lee, Y. Q., Zhang, Y., Hu, Z., Htoon, H. M., Hoang, Q. V., Chong, M. F., Lan, W., Saw, S. M., Lamoureux, E. L.
  2025; 103 (8): 891-899
- **The prevalence, progression, and visual loss associated with myopic macular degeneration in Asia** *TAIWAN JOURNAL OF OPHTHALMOLOGY*
  Cheong, K., Lan, W., Hoang, Q. V., Saw, S.
  2025
- **A psychometric evaluation of the Chinese Impact of Vision Impairment (C-IVI) questionnaire in an adult cohort with high myopia using Rasch analysis.** *PloS one*
  Pan, W., Man, R. E., Fenwick, E. K., Hu, Z., Jiang, Y., Tan, H., Chen, Z., Hoang, Q. V., Saw, S. M., Lamoureux, E. L., Lan, W., Yang, Z.
  2025; 20 (10): e0327708
- **Independent Effects of Axial Length and Intraocular Pressure on the Highly Myopic Optic Nerve Head.** *Investigative ophthalmology & visual science*
  Wong, M. W., Chong, C., Sharma, S., Phang, L. C., Lor, S., Hoang, Q. V., Girard, M., Cheng, C. Y., Schmetterer, L., Jonas, J. B., Yang, H., Wang, Y. X., Jeoung, et al
  2025; 66 (12): 49
- **Structure-Function Associations of Choroidal Thickness With Retinal Sensitivity in Myopia.** *Investigative ophthalmology & visual science*
  Sreng, S., Chung, J., Toh, A., Zhen, Y. N., Eppenberger, L. S., Chua, J., Hoang, Q. V., Chong, R. S., Tan, A. C., Schmetterer, L., Ang, M., Wong, D.
  2025; 66 (12): 21

- **Psychometric Evaluation and Computerized Adaptive Testing Simulations of Myopic Refractive Intervention Quality of Life Item Banks.** *Translational vision science & technology*
  Man, R. E., Fenwick, E. K., Goh, K. J., Teo, P. R., Ang, M., Hoang, Q. V., Wong, C. W., Rosman, M., Saw, S. M., Lamoureux, E. L.
  2025; 14 (8): 4

- **Sensitivity of ophthalmologists, residents, and optometrists in identifying peripheral retinal tears on ultra-widefield imaging.** *Canadian journal of ophthalmology. Journal canadien d'ophtalmologie*
  Jung, J. J., Chan, X., Cheong, K. X., Dan, Y. S., Cheng, J. Y., Lai, E. W., Li, H., Hoang, Q. V.
  2025; 60 (4): 222-229

- **Characteristics of Myopic Traction Maculopathy in the Aier-SERI High Myopia Adult Cohort Study.** *Ophthalmology science*
  Cheong, K. X., Jiang, Y., Htoon, H. M., Pan, W., Foo, L. L., Hu, Z., Chen, L., Ang, S., Lamoureux, E. L., Hoang, Q. V., Saw, S. M., Lan, W.
  2025; 5 (6): 100894

- **Gaze-Induced Optic Nerve Head Deformations Are Greater in High Myopia and Strains Increase With Axial Length.** *Investigative ophthalmology & visual science*
  Liu, T., Wang, Y. X., Jonas, J. B., Hoang, Q. V., Girard, M. J., Wang, X.
  2025; 66 (9): 21

- **Spectral-domain optical coherence tomography imaging findings in patients receiving teprotumumab for thyroid eye disease.** *American journal of ophthalmology case reports*
  Truong, T., Silkiss, R. Z., Amoroso, J. R., Li, H., Hoang, Q. V., Eliasieh, K., Jung, J. J.
  2025; 38: 102282

- **Prevalence and risk factors of myopic macular degeneration: the Aier-SERI high myopia adult cohort.** *The British journal of ophthalmology*
  Foo, L. L., Jiang, Y., Hoang, Q. V., Htoon, H. M., Hu, Z., Pan, W., Cheong, K. X., Lamoureux, E. L., Yang, Z., Lan, W., Saw, S. M.
  2025; 109 (6): 721-726

- **Association of macular sensitivity with posterior staphyloma in highly myopic eyes: Aier-SERI high myopia adult cohort study.** *Ophthalmic & physiological optics : the journal of the British College of Ophthalmic Opticians (Optometrists)*
  Jiang, Y., Foo, L. L., Hu, Z., Pan, W., Cheong, K. X., Tan, H., Saw, S. M., Hoang, Q. V., Yang, Z., Lan, W.
  2025; 45 (3): 845-853

- **THE SPECTRUM OF RELENTLESS PLACOID AND ACUTE POSTERIOR MULTIFOCAL PLACOID PIGMENT EPITHELIOPATHY: A MULTIMODAL IMAGING ANALYSIS.** *Retinal cases & brief reports*
  Chan, X., Amoroso, J. R., Hoang, Q. V., Jung, J. J.
  2025; 19 (2): 148-151

- **Bruch's Membrane Opening Changes in Eyes With Myopic Macular Degeneration: AIER-SERI Adult High Myopia Study.** *Investigative ophthalmology & visual science*
  Wu, L., Foo, L. L., Hu, Z., Pan, W., Jiang, Y., Saw, S. M., Hoang, Q. V., Lan, W.
  2024; 65 (8): 36

- **Comparison of manual and artificial intelligence-automated choroidal thickness segmentation of optical coherence tomography imaging in myopic adults.** *Eye and vision (London, England)*
  Lim, Z. W., Li, J., Wong, D., Chung, J., Toh, A., Lee, J. L., Lam, C., Balakrishnan, M., Chia, A., Chua, J., Girard, M., Hoang, Q. V., Chong, et al
  2024; 11 (1): 21

- **Gaze-dependent alterations in posterior eyewall morphology in highly myopic eyes**
  Cheong, K., Lim, S., Dan, Y., Silverman, R. H., Chang, S., Yannuzzi, L. A., Freund, K., Ito, K., Hoang, Q. V.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024

- **Comparison of Quadrant Asymmetry of OCTA Metrics Across 3 Different Spectral-Domain and Swept-Source OCTA Machines**
  Jung, J. J., Li, H., Madrid, J., Sha, P., Hoang, Q. V.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024

- **ULTRA-WIDEFIELD IMAGING DETECTION RATE IN IDENTIFYING PERIPHERAL RETINAL TEARS IN SINGLE VERSUS MONTAGE OF PERIPHERAL STEERING.** *Retina (Philadelphia, Pa.)*
  Jung, J. J., Lim, S. Y., Chan, X., Yee Yeoh, C. H., Smolyar, K., Oribello, A., Dizon, A. G., Hoang, Q. V.
  2024; 44 (3): 406-413

- **Pathologic myopia in highly myopic patients with high axial anisomyopia.** *The British journal of ophthalmology*
  Li, J., Dan, Y. S., Chua, S. Q., Wong, Q. Y., Chong, R. S., Ang, M., Wong, C. W., Hoang, Q. V.
  2024; 108 (3): 411-416
- **NODULAR EPIRETINAL MÜLLER CELL GLIOSIS IN THE FOVEA.** *Retinal cases & brief reports*
  Jung, J. J., Zeng, A., Komati, R., Mackin, A. G., Skondra, D., Yonekawa, Y., Fineman, M. S., Ezon, I., Rofagha, S., Hoang, Q. V.
  2023; 17 (6): 779-784
- **Ultrasound Assessment of Gaze-induced Posterior Eyewall Deformation in Highly Myopic Eyes.** *Investigative ophthalmology & visual science*
  Cheong, K. X., Lim, S. Y., Dan, Y. S., Silverman, R. H., Chang, S., Yannuzzi, L. A., Freund, K. B., Ito, K., Hoang, Q. V.
  2023; 64 (13): 38
- **Predictors of myopic macular degeneration in a 12-year longitudinal study of Singapore adults with myopia.** *The British journal of ophthalmology*
  Foo, L. L., Xu, L., Sabanayagam, C., Htoon, H. M., Ang, M., Zhang, J., Ohno-Matsui, K., Cheng, C. Y., Hoang, Q. V., Tan, C. S., Saw, S. M., Wong, C. W.
  2023; 107 (9): 1363-1368
- **How Myopia and Glaucoma Influence the Biomechanical Susceptibility of the Optic Nerve Head.** *Investigative ophthalmology & visual science*
  Chuangsuwanich, T., Tun, T. A., Braeu, F. A., Yeoh, C. H., Chong, R. S., Wang, X., Aung, T., Hoang, Q. V., Girard, M. J.
  2023; 64 (11): 12
- **Quantitative assessment of the choroidal vasculature in myopic macular degeneration with optical coherence tomographic angiography.** *Frontiers in ophthalmology*
  Dan, Y. S., Cheong, K. X., Lim, S. Y., Wong, Q. Y., Chong, R. S., Wong, C. W., Hoang, Q. V.
  2023; 3: 1202445
- **Myopia-induced changes in the choroid mirror the microscopic biomechanical changes in the adjacent sclera**
  Ito, K., Mamou, J., Hoerig, C., Dan, Y., McFadden, S., Hoang, Q.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Macula Deformability as a Potential Biomarker for High Myopia Eyes at Risk of Developing Glaucoma and Pathologic Myopia**
  Hoang, Q., Chuangsuwanich, T., Tun, T., Aung, T., Girard, M.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Identifying Content for an Item Bank to Measure the Quality-of-Life Impact of Myopia Refractive Interventions.** *Translational vision science & technology*
  Man, R. E., Goh, K. J., Lee, E. P., Lim, J. H., Ang, M., Hoang, Q. V., Wong, C. W., Saw, S. M., Fenwick, E. K., Lamoureux, E. L.
  2023; 12 (5): 27
- **Pathologic myopia: advances in imaging and the potential role of artificial intelligence.** *The British journal of ophthalmology*
  Li, Y., Foo, L. L., Wong, C. W., Li, J., Hoang, Q. V., Schmetterer, L., Ting, D. S., Ang, M.
  2023; 107 (5): 600-606
- **Applications of Genomics and Transcriptomics in Precision Medicine for Myopia Control or Prevention.** *Biomolecules*
  Jiang, L., Goh, D. X., Koh, J. H., Chan, X., Brennan, N. A., Barathi, V. A., Hoang, Q. V.
  2023; 13 (3)
- **Quadrant Asymmetry in Optical Coherence Tomography Angiography Metrics in Ischemic Versus Non-Ischemic Central Retinal Vein Occlusion Eyes.** *Translational vision science & technology*
  Jung, J. J., Chan, X., Lim, S. Y., Lee, S. S., Rofagha, S., Hoang, Q. V.
  2023; 12 (3): 30
- **Deep learning system to predict the 5-year risk of high myopia using fundus imaging in children.** *NPJ digital medicine*
  Foo, L. L., Lim, G. Y., Lanca, C., Wong, C. W., Hoang, Q. V., Zhang, X. J., Yam, J. C., Schmetterer, L., Chia, A., Wong, T. Y., Ting, D. S., Saw, S. M., Ang, et al
  2023; 6 (1): 10
- **Rare variant analyses across multiethnic cohorts identify novel genes for refractive error.** *Communications biology*
  Musolf, A. M., Haarman, A. E., Luben, R. N., Ong, J. S., Patasova, K., Trapero, R. H., Marsh, J., Jain, I., Jain, R., Wang, P. Z., Lewis, D. D., Tedja, M. S., Iglesias, et al

2023; 6 (1): 6

- **Automated Classification and Detection of Staphyloma with Ultrasound Images in Pathologic Myopia Eyes.** *Ultrasound in medicine & biology*
  Ito, K., Lye, T. H., Dan, Y. S., Yu, J. D., Silverman, R. H., Mamou, J., Hoang, Q. V.
  2022; 48 (12): 2430-2441
- **Optic nerve tortuosity and displacements during horizontal eye movements in healthy and highly myopic subjects.** *The British journal of ophthalmology*
  Wang, X., Chang, S., Grinband, J., Yannuzzi, L. A., Freund, K. B., Hoang, Q. V., Girard, M. J.
  2022; 106 (11): 1596-1602
- **Visual field defects and myopic macular degeneration in Singapore adults with high myopia.** *The British journal of ophthalmology*
  Lanca, C., Sun, C. H., Chong, R., Wong, Y. L., Nongpiur, M. E., Htoon, H. M., Thakur, S., Quek, D. Q., Cheng, C. Y., Hoang, Q. V., Sabanayagam, C., Saw, S. M., Wong, et al
  2022; 106 (10): 1423-1428
- **Correlation of Diabetic Disease Severity to Degree of Quadrant Asymmetry in En Face OCTA Metrics.** *Investigative ophthalmology & visual science*
  Jung, J. J., Lim, S. Y., Chan, X., Sadda, S. R., Hoang, Q. V.
  2022; 63 (9): 12
- **The Potential of Current Polygenic Risk Scores to Predict High Myopia and Myopic Macular Degeneration in Multiethnic Singapore Adults.** *Ophthalmology*
  Kassam, I., Foo, L. L., Lanca, C., Xu, L., Hoang, Q. V., Cheng, C. Y., Hysi, P., Saw, S. M.
  2022; 129 (8): 890-902
- **Impact of Coronavirus Disease 2019 Restrictions on Retinal Detachment: A Multicenter Experience.** *Ophthalmology. Retina*
  Jung, J. J., Chang, J. S., Oellers, P. R., Ali, M. H., Do, B. K., Tseng, J. J., Roizenblatt, R., Muni, R. H., Weng, C. Y., Oakey, Z. B., Tsao, S. W., Rofagha, S., Chan, et al
  2022; 6 (7): 638-641
- **Advances in OCT Imaging in Myopia and Pathologic Myopia.** *Diagnostics (Basel, Switzerland)*
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