

TARGETING ZERO ERROR

In the upcoming Malaysia-Singapore Joint Ophthalmic Congress 2018 to be held in March, Dr Fam Han Bor will be delivering the keynote speech entitled “Targeting Zero Error”.

As Senior Consultant and Head of Cataract, Implant and Anterior Segment Service at the Eye Institute at Tan Tock Seng Hospital, Dr Fam is optimistic that “zero error” is truly achievable.

“Intraocular lens power calculation is oft-forgotten but an important step in achieving good cataract outcomes and meeting patients’ expectations. All this while we have been relying on conventional formulae. These formulae have served us well in the past. However as technology improves; as surgical techniques progress, and as patients’ expectations rise – there have been tremendous and rapid development in newer and better formulae,” he says.

“After a brief overview of the importance of IOL power calculation and the various types of biometry, my lecture will focus on the essential steps to improve the predictability of biometry,” adds Dr Fam, who is also Senior Consultant in the Refractive Surgery Service in the same hospital.

“It will cover navigating through various formulas and its uses in atypical eyes. It will also provide tips on improving toric IOL outcomes and address the issue and challenges of post refractive surgery IOL power calculation. Newer formulae and the latest techniques will be presented.”

Dr Fam graduated from National University of Singapore with a Masters degree in Medicine (Ophthalmology) and was admitted as a Fellow of The Royal College of Surgeons of Edinburgh and the Academy of Medicine in Singapore. He received his subspecialty training in cornea and refractive surgery at the University of British Columbia, Canada.

Dr Fam is active as a clinician, researcher and instructor. He has given 600 presentations, mainly in cataract and refractive surgery in various international and regional conferences. As an educator, he has conducted more than 50 instructional courses, including MasterClasses in cataract and refractive surgery, medical-in-service and live surgeries throughout Asia. He has sat in more than 60 expert panels related to cataract and refractive surgery.

He is a respected researcher and opinion leader in the field of intraocular lens power calculations; intraocular lens design and optics; phacoemulsification and phacoemulsification technology; corneal topography and tomography; ocular wavefront aberrations and visual optics.

Co-author of the book “A Clinician’s Guide to Slit-Scanning Corneal Topography” and a contributor to the book “Corneal topography – From Theory to Practice”, Dr Fam has also published in leading peer-reviewed ophthalmology journals such as the Journal of Cataract & Refractive Surgery, the Journal of Refractive Surgery, the American Journal of Ophthalmology and the British Journal of Ophthalmology.

There are still many challenges that ophthalmologists continue to face, in Dr Fam's opinion, particularly in the the areas of cost, regulatory issues, compliance and achieving overall effectiveness.

What brings Dr Fam the most joy is, "The smiles on my patients' faces".

On the average typical day involving aspects of the clinical, surgical, and optics, and ending with family time in the evening, Dr Fam draws inspiration from his parents, his patients and theoretical physicist Albert Einstein.



by Dr Fam Han Bor

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Eye Institute at Tan Tock Seng Hospital