



Seminar 9

Update on Eye Procedure



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Dr. Tommy CY Chan is a Specialist in Ophthalmology at the Hong Kong Sanatorium & Hospital. He is also a Clinical Assistant Professor (Honorary) at the Department of Ophthalmology and Visual Sciences of the Chinese University of Hong Kong and the Department of Ophthalmology of the University of Hong Kong. His special interests include corneal refractive procedures, cataract surgery, keratoconus, corneal crosslinking, and corneal transplantation. Dr. Chan has published over 100 articles in peer-reviewed journals and book chapters. He was awarded the APAO Achievement Award in recognition of his contribution to scientific programs of the APAO annual congresses over these years. He was elected as the Distinguished Young Fellow of the College of Ophthalmologists of Hong Kong in 2016. His team won the Asia-Pacific Association of Cataract and Refractive Surgeons Film Festival Award in 2017. He received the Japanese Ophthalmological Society International Young Investigator Award in 2018. Dr. Chan is currently the Council member of the Hong Kong Ophthalmological Society, Director of the CUHK Jockey Club Ophthalmic Microsurgical Training Programme for Laser Refractive Surgery and Cataract & Lens Surgery, Treasurer of the Asia-Pacific Ocular Imaging Society, Director and Honorary Secretary of the Hong Kong Federation of Societies for the Prevention of Blindness.

Vision is one of the most important senses to our life. Our vision could be affected by eye diseases including corneal scarring, cataract, glaucoma and age-related macular degeneration. Advances in eye procedure over recent years have improved the efficacy and safety in saving the vision of our patients. Apart from sight threatening pathologies, myopia is an important issue in our society. Use of atropine eye drops in children and application of refractive surgeries have become popular options in the management of myopia.

This presentation will highlight various eye procedures developed in the last decade such as lamellar corneal transplantation, corneal cross-linking, minimal invasive glaucoma surgeries and intravitreal injection of anti-vascular endothelial growth factors. Different intraocular lens designs aimed at reducing postoperative spectacle dependence will also be discussed. Lastly, the presentation will provide information on using low-dose atropine eyedrops in children and innovative techniques in refractive surgery such as small incision lenticule extraction (SMILE) and implantable collamer lens (ICL).