



DAY 1, THURSDAY, 11 JULY 2013 • 08:30 – 12:15HRS

APACRS CORE INSTRUCTIONAL COURSES

CIC01: PHACO FUNDAMENTALS (Fully subscribed)

08:30 – 10:00hrs • Room 336, Level 3, SUNTEC

COURSE FACULTY: CHEE Soon Phaik • Johan HUTAURUK • Hadi PRAKOSO • TI Seng Ei

This 1.5-hour video-based course on phacoemulsification surgery aims to provide a comprehensive introduction to the skills required for successful phaco surgery and familiarization with basic phaco machine technology, a necessary prerequisite for effective wetlab training.

Highlights include video-based presentations on all essential stages of phaco surgery, with presentations focusing on providing the beginner phaco surgeons with tips on how to avoid/minimize common complications such as wound burn and runaway capsulorhexis, with an emphasis on the basic steps to follow once vitreous loss has occurred, including conversion to ECCE for safe nuclear delivery.

CIC02: RETINAL UPDATES FOR ANTERIOR SEGMENT SURGEONS (Fully subscribed)

08:30 – 10:00hrs • Room 334, Level 3, SUNTEC

COURSE FACULTY: ANG Chong Lye • LEE Shu Yen • Manish NAGPAL • ONG Sze Guan • Doric WONG • Edmund WONG • Ian YEO

This vitreoretinal course aims to update and guide the anterior segment surgeon on the preoperative assessment and postoperative management of patients with concurrent retinal disease undergoing cataract surgery, including diabetic retinopathy, diabetic macular edema, macular degeneration and retinal vascular disorders. There will also be an update on recent advances in retinal imaging and treatment of retinal diseases. The attendees, at the end of the course, will understand how to prevent posterior segment complications after anterior segment surgery.

CIC03: OCULAR TRAUMA

08:30 – 10:00hrs • Room 335, Level 3, SUNTEC

COURSE FACULTY: Gangadhara SUNDAR • Paul CHEW • Jae Yong KIM • S. NATARAJAN • Hunter YUEN

Management of ophthalmic trauma continues to evolve with the advent of newer techniques and technology with better outcomes. This course aims to provide anterior segment surgeons with an evidence-based update on the various advances in the medical and surgical management of various ophthalmic subspecialties, including updates, current concepts, and controversies in Ocular Trauma Scoring and Classification, the management of corneal and lens injury, the evaluation and management of acute and chronic glaucoma in the face of trauma, vitreoretinal trauma, the management of traumatic optic neuropathy, and finally newer technologies and application of recent advances in ocular adnexa (eyelid, lacrimal, and orbital trauma). The session will end with specific case scenarios that address some of these controversies.

CIC04: OPTIMIZING OUTCOMES IN TORIC IOLS (Fully subscribed)

10:45 – 12:15hrs • Room 336, Level 3, SUNTEC

COURSE FACULTY: Tetsuro OSHIKA • GUO Haike • Ronald YEOH

The toric intraocular lens (IOL) is used to compensate for preexisting corneal astigmatism. In order to optimize the outcomes of toric IOLs, several precautions are needed, including proper selection of patients, precise marking before surgery, intraoperative marking, alignment of the toric axis, and so on. This course will cover the theoretical and practical points in toric IOL implantation.

CIC05: TIPS AND TRICKS FOR SUCCESSFUL PTERYGIUM SURGERY (Fully subscribed)

10:45 – 12:15hrs • Room 334, Level 3, SUNTEC

COURSE FACULTY: Cordelia CHAN • Donald TAN • Gerard SUTTON

This comprehensive video-based course will focus on the surgical management of primary and recurrent pterygia, with emphasis on conjunctival autografting techniques, and the use of fibrin glue in pterygium surgery. The role of other adjunctive measures including amniotic membrane transplantation and the use of mitomycin-C will be discussed. Prevention and management of pterygium surgery complications will also be highlighted. Attendees will gather important pearls in pterygium surgery, which translate into reduced recurrence rates and good cosmetic outcomes.

CIC06: WHAT THE REFRACTIVE SURGEON NEEDS TO KNOW ABOUT GLAUCOMA

(Filling up fast)

10:45 – 12:15hrs • Room 335, Level 3, SUNTEC

COURSE FACULTY: Shamira PERERA • Prin ROJANAPONGPUN • Sri GANESH • ZHOU Qi

The refractive surgeon often encounters patients with concomitant glaucoma and this course will provide some guidance on how to approach these patients. Subjects covered will be: Identifying glaucoma in the highly myopic patient, measurement of IOP post-LASIK, cataract surgery in subjects with PACG, phakic IOLs and the association with glaucoma, and others. At the conclusion of this course, attendees will have a better understanding of how to manage patients with glaucoma who have had or are considering refractive surgery.

DAY 1, THURSDAY, 11 JULY 2013 • 13:30 – 17:00HRS

APACRS MASTERCLASSES

MC01: FEMTOPHACO CATARACT (Fully subscribed)

13:30 – 15:00hrs • Room 336, Level 3, SUNTEC

COURSE FACULTY: CHEE Soon Phaik • Gerard SUTTON • Michael KNORZ • Ronald YEOH • Zoltan NAGY

Femtophaco cataract surgery has arrived. This video-based course targets the experienced phaco surgeon who is converting or planning to convert to femtophaco surgery. Our experienced faculty will discuss the technology, techniques and new complications of this procedure, including a cost/benefit discussion of this expensive technology. Questions that all surgeons who are “sitting on the fence” want to ask will be asked.

MC02: GLUED IOL (Fully subscribed)

13:30 – 15:00hrs • Room 334, Level 3, SUNTEC

COURSE FACULTY: Amar AGARWAL • Athiya AGARWAL • Keiki MEHTA • Roger STEINERT

Glued intrascleral haptic fixation of a PC IOL (Glued IOL) helps one fixate an IOL in eyes without any capsular support. This video-based course will explain the basic technique including the use of foldable IOLs and the handshake technique. It will also cover the complications and results with this technique, including vitrectomy management of PC rupture, congenital and acquired conditions like microspherophakia and subluxated lenses, refixation of a dislocated IOL, and the management of multifocal and aniridia glued IOL.

MC03: FROM FLEx to SMILE

13:30 – 15:00hrs • Room 335, Level 3, SUNTEC

COURSE FACULTY: Donald TAN • Kimiya SHIMIZU • Jodhbir MEHTA

Femtosecond lasers have revolutionized refractive surgery by improving outcomes and safety. They have also caused a paradigm shift with the all-in-one femtosecond laser refractive procedure: Refractive Lenticule Extraction (ReLEx). This MasterClass will outline the different surgical techniques involved in ReLEx and also the small incision variants SMILE (Small Incision Lenticule Extraction) and pseudo-SMILE. It will also cover outcomes of the procedure, both clinical and preclinical and comparative results to LASIK.

MC04: FINER POINTS IN IOL FIXATION (Fully subscribed)

15:30 – 17:00hrs • Room 336, Level 3, SUNTEC

COURSE FACULTY: CHEE Soon Phaik • Ronald YEOH • Roger STEINERT

This video-based course will show IOL fixation techniques when capsular support is lacking. Experts make these complex surgeries look simple when they are really not. In this interactive course, each step will be critically analyzed, questions asked and the logic behind each maneuver clarified so that correct surgical decisions are made. Attendees will learn a methodical way of planning for and performing IOL fixation surgery.

MC05: ADVANCED BIOMETRY (Filling up fast)

13:30 – 15:00hrs • Room 334, Level 3, SUNTEC

COURSE FACULTY: FAM Han Bor • John SHAMMAS • Wolfgang HAIGIS

This MasterClass will examine and render comprehensible the complexities of IOL power calculation, discussing the 10 golden rules for biometry and IOL power calculations, calculating IOL power without optical biometry, navigating through the maze of IOL formulas, calculating IOL power in atypical eyes, target refractions for premium IOLs, and ensuring good refractive outcomes in cataracts with previous refractive surgery.

MC06: FLAWLESS FEMTO LASIK FLAPS

13:30 – 15:00hrs • Room 335, Level 3, SUNTEC

COURSE FACULTY: CHAN Wing Kwong • Cordelia CHAN • WANG Zheng • Choun-Ki JOO

This MasterClass will cover the basics of femtosecond LASIK flap creation, highlighting the use of the IntraLase and VisuMax platforms.

Videos on unexpected scenarios during flap creation will be presented, including the management of suction loss, sticky flaps, flap tears, uncooperative patients and small palpebral apertures. Attendees will learn important pearls for successful femtosecond flap creation and the management of complications unique to different femtosecond platforms, resulting in excellent visual results.

APACRS HANDS-ON WETLAB

Basic Phaco Wetlab

Thursday, 11 July 2013 • 14:30 – 16:30hrs

Venue: Singapore National Eye Centre, Training Room, Level 4

COURSE FACULTY: TI Seng Ei • Johan HUTAURUK • Akura JUNSUKE • Hadi PRAKOSO • YC LEE

For the first time at any APACRS meeting, we will be offering a hands-on wetlab under the supervision of experienced phaco teachers and Prof. Junsuke Akura, the award-winning inventor of the KITARO wetlab system, where different grades of nuclear hardness are available for phacoemulsification and realistic capsulorhexis is possible. Participants will have an opportunity to practice phaco surgery in a comprehensive wetlab set-up, and to experience the use of various machines. Our faculty members including several guest instructors from Japan will be present to guide you, with industry/vendor support on standby to assist you.

Limited to 15 participants only to enable personalized tuition. Pre-registration is required.

Prerequisite: Participants are required to attend the Phaco Fundamental core instructional course (CIC01) scheduled from 08:30-10:00hrs on Thursday, 11 July 2013 at Room 336, Level 3, SUNTEC Singapore

Transport: Transport will leave for SNEC for the hands-on wetlab session at 13:45hrs sharp. Please assemble at the Registration Counter, Concourse, Level 3 at 13:30hrs.

DSAEK Wetlab (Fully subscribed)

Friday, 12 July 2013 • 16:00 – 18:00hrs

Venue: Singapore National Eye Centre, Training Room, Level 4

COURSE FACULTY: Donald TAN • Jodhbir MEHTA • LIM Li

This course includes a 1-hour video-based session and a 2-hour hands-on wetlab on automated donor preparation and DSAEK surgery in animal and human donor eyes, reviewing specific surgical strategies for each stage in DSAEK with an aim toward optimizing endothelial survival and reducing donor dislocation and primary graft failure. Emerging donor insertion devices, the preoperative use of ASOCT, and advanced surgical techniques for more challenging cases will be presented. The didactic session is open to all APACRS delegates; however, the hands-on wetlab session is limited to 8 participants to enable personalized tuition.

Prerequisite: Participants are required to attend a 1-hr didactic course scheduled from 12:30 to 13:30hrs at the Board Room in the Exhibition Hall, Level 4