



Academia, Research, Teaching, and Education in Ophthalmology

Symposiums 1 (Chair: Andrzej Grzybowski, Rajvardhan AZAD, Muhammad Moin)

APAO-ICO Sessions for Educators: Voice of Residents

(Presentation Duration: 8+2 min/talk)

Schedule: Boardroom 4, 9:00-10:30, March 8

1. Bhuvan Chanana (India)	Fellowship Program in India: Strength & Pitfalls
2. Luxmi Haran (US)	Fellowship Program in USA: Strength & Pitfalls
3. Syeed KADIR (Bangladesh)	Fellowship Program in Bangladesh: Strength & Pitfalls
4. Jason YAM (Hong Kong)	Fellowship Program in Hong Kong: Strength & Pitfalls
5. Madhuwanthi DISSANAYAKE (Sri Lanka)	Fellowship Program in Sri Lanka: Strength & Pitfalls
6. Meenu CHAUDHARY (Nepal)	Fellowship Program in Nepal: Strength & Pitfalls
7. Nasir SAEED (Pakistan)	Fellowship Program in Pakistan: Strength & Pitfalls
8. Joseph A. TUMBOCON (Philippines)	Fellowship Program in Philippines: Strength & Pitfalls
9. Devaraj SUPRAMANIAM	Fellowship Program in Malaysia: Strength & Pitfalls

Symposiums 2 (Chair: Andrzej Grzybowski, Wai Ching Lam, Manchima Makornwattana)

APAO-ICO Sessions for Educators: How do Trainees become Competent Surgeons? How It's Done in Different Countries

(Presentation duration: 12 min/talk + 18 min Q&A)

Schedule: Boardroom 4, 9:00-10:30, March 6

1. Andrzej Grzybowski (Poland)	Surgical Training in Europe
2. Shahzad Mian	Surgical Training in USA
3. Wai Ching Lam (Hong Kong)	Surgical Training in Canada and Hong Kong
4. Charles McGhee (New Zealand)	Surgical Training in Australia and New Zealand
5. Mingzhi Zhang (China)	Surgical Training in China
6. Avinash Pathengay (India)	Surgical Training in India
7.	Q&A

Symposium 3 (Chairs: Ana Palis, Eduardo Mayorga, Suparat Jariyakosol)

APAO-ICO Sessions for Educators: Competencies of a Good 21st Century Teacher

(Presentation Duration: 10 min/talk + 20 min Q&A)

Schedule: Boardroom 4, 11:00-12:30, March 7

1. Ana Palis (Argentina)	Preparing and Giving Lectures
2. Catherine Green (Australia)	Small Group Teaching
3. Prashant Garg (India)	Teaching Practical Skills
4. Eduardo Mayorga (Argentina)	Needs Assessment of Learners

5. Charles McGhee (New Zealand)	Assessing Trainees
6. Helena Filipe (Portugal)	Using Social Media
7. Yip Chee Chew (Singapore)	Technology-assisted Teaching
Symposium 4 (Chairs: William Astle, Prashant Garg, Anita Manassakorn APAO-ICO Sessions for Educators: Maximizing Productivity and Quality through Eye Care Team Development (Presentation duration: 10 min/talk + 20 min/ Panel Discussion)	
Schedule: Boardroom 4, 16:30-18:00, March 8	
1. Wanicha CHUENKONGKAEW (Thailand)	Introduction: Maximizing Ophthalmologist Productivity with Education of the Eye Care Team
2. Karl Golnik (US)	Accreditation: Residency Programs & AOP
3. Ana Palis (Argentina)	Best Practices in Education: Residents
4. William Astle (Canada)	Best Practices in Education: AOP
5. Catherine Green (Australia)	Best Practices in Assessments: Residents
6. Prashant Garg (India)	Best Practices in Assessments: AOP
7. Michael Stewart (US)	Best Practices in Educational Resources: Residents and Allied Ophthalmic Personnel
8.	Panel Discussion
Symposium 5 (Chairs: Berthold Seitz, Clare Davey, Prut Hanutsaha ICO Education Symposium (Presentation Type:)	
Schedule: Boardroom 3, 9:00-10:30, March 7	
1. Tim Roberts (Australia)	Generational Teaching: Improving Understanding of the Millennial Generation
2. Eduardo Mayorga (Argentina)	Tools for Faculty Assessment
3. Karl Golnik (US)	The ICO Face-To-Face Resources for Faculty Development
4. Ana Gabriela Palis (Argentina)	The ICO Online Resources for Faculty Development
5. Heather Mack (Australia)	Scholarship in Teaching (Research and Innovation in Medical Education)
6. Clare Davey (UK)	ICO Exams
7. Berthold Seitz (Germany)	ICO Fellowships
8. Prut Hanutsaha	Assessing the Program
Symposium 6 (Chairs: Robert Ritch, Kenneth Larywon Defending the Ophthalmologist in a Medical Malpractice Lawsuit: Global Comparative Overview of Multiple Legal Systems (Presentation Duration: 10 min/introduction + 20 min/talk)	
Schedule: Boardroom 4, 11:00-12:30, March 8	
1. Robert Ritch (US)	Introduction
2. Paisan (Thailand)	Malpractice in Thailand
3. Kenji Minemura (Japan)	Malpractice in Japan
4. Sunil Moreker (India)	Malpractice in India
5. Kenneth Larywon (USA)	Malpractice in US

Symposium 7 (Chairs: Salmaan Al-Qureshi, Charles McGhee, Vicky Cartwright)

AAPPO Clinical and Experimental Ophthalmology Research Course 2019

(Presentation Type: Instruction Course; Presentation Duration: 10 + 5 min/talk + 15 Q&A)

Schedule: Boardroom 4, 14:30-16:00, March 7

1. Charles McGhee (New Zealand)	Starting Out in Eye Research: Eureka, or Planning and Preparation
2. Tien Yin Wong (Singapore)	Top 10 Pearls in Writing a Paper and Getting it Published
3. Salmaan Al-Qureshi (Australia)	How to Present a Talk at a Scientific Meeting
4. Vicky Cartwright (New Zealand)	Predatory Publishing: What it is, and Why You Should Avoid it
5. Salmaan Al-Qureshi (Australia)	How to Review a Paper and Why All Ophthalmologists Should Do it
6.	Q&A



Artificial Intelligence

Symposium 1 (Chairs: Paisan Ruamviboonsuk, Carol Cheung, Daniel Ting)

AI in Ophthalmology Symposium: AI and Latest Developments in Ocular Imaging

(Presentation duration: 9 min/talk)

Schedule: C Ground Meeting Room 1, 9:00-10:30, March 6

1. Paisan Ruamviboonsuk (Thailand)	AI for Detection of CI-DME from Retinal Images
2. Sang Jun PARK (Korea)	AI in Retinal Photography: from Data to Approval of Government Regulator
3. Ryo Asaoka (Japan)	AI in OCT: Detection of Early Glaucoma
4. Michael Chiang	AI in Retinal Photography: Detection of Retinopathy of Prematurity
5. Haotian Lin (China)	AI in Slit-Lamp Imaging: Visionome Technique
6. Theodore Leng (US)	AI in Smartphone Ophthalmoscopy: Screening DR
7. Hao Chen (China)	AI in OCT: What is 3D Deep Learning?
8. Carol Cheung	AI in Retinal Photography: Detection of Retinal Vascular Changes
9. Tien Yin Wong (Singapore)	AI in Ophthalmology: Where Are We Now? What Is Next?
10.	Panel Discussion

Symposium 2 (Chairs: Mingguang He, Kornwipa Hemrat, Robert Chang)

AI in Ophthalmology: Deployment of AI for DR screening in the Real World

(Presentation duration: 10 min/talk + 20 min Q&A)

Schedule: C Ground Meeting Room 1, 11:00-12:30, March 6

1. Daniel Ting (Singapore)	AI for DR Screening: Where Are We Now?
2. Kornwipa Hemrat (Thailand)	Head-To-Head Comparisons Between Deep Learning Vs. Human Graders in Nation-Wide DR Screening in Thailand
3. Elin Pederson (US)	Deployment of AI for Real-World DR Screening in the Intermediate-Resourced Setting
4. Jorge Cuadros (US)	Deployment of AI for Real-World DR Screening in the Low-Resourced Setting
5. Mingguang He (Australia)	Deployment of AI for Real-World DR Screening in China
6. Adnan Tufail (UK)	Comparison of Different AI Systems for DR Screening in UK
7. Malvina Eydelman (US)	Deployment of AI for Real-World DR Screening in the USA, a perspective from the FDA
8.	Q&A

Symposium 3 (Chairs: Pannet Pangputhipong AI in Medicine Symposium: Predicting Systemic Disease with AI (Presentation duration: 10 min/talk)	
Schedule: C Ground Meeting Room 1, 13:00-14:00, March 7	
1. Pinal Bavishi (US)	Principles of Applying Retinal Images for Detecting Diseases Derived from Other Imaging Modality
2. Carol Cheung (Hong Kong)	Retinal Imaging with Artificial Intelligence for Screening Alzheimer's Disease
3. Yih-Chung Tham (Singapore)	Application of AI in Predicting Diabetes
4. Ching-Yu Cheng (Singapore)	Application of AI in Epidemiology in the Era of Big Data
5. Avinash Varadarajan (US)	Application of AI for Predicting Cardiovascular Risk Factors
6. Jochen Kumm (US)	AI for Screening New Born Infants at Risk of Visual Loss
Symposium 4 (Chairs: Tarit Taerakul, Thanyanuch Sanchat AI in Medicine Symposium: AI in Medicine I (Presentation duration: 10 min/talk + 10 min Panel Discussion)	
Schedule: C Ground Meeting Room 1, 9:00-10:30, March 7	
1. Krit Pongpirul (Thailand)	Key Point and Pitfalls for AI Development: Lessons Form TB Screening Program
2. Surakameth Mahasirimongkol (Thailand)	AI for Genetic Study
3. Charturong Tantibundhit (Thailand)	Automated Pulmonary TB and Lung Cancer Screening from Chest X-Ray Using Deep Learning
4. Charles Dinnell (Singapore)	AI Cancer Recommendation
5. Yan Liu (US)	Application of Deep Learning in Detection of Metastatic Breast Cancer
6. Hwiyoung Kim (South Korea)	Medical Image Synthesis and Analysis with Deep Learning
7. Fred Hersch	Enable AI in Health Care
8. Dimitri Azar (US)	AI in Healthcare: Bridging from Ophthalmology to Other Fields of Medicine
9.	Panel Discussion
Symposium 5 (Chairs: Fujisawa Yasuhiro, Prapawan Chawavanich AI in Medicine Symposium: AI in Medicine II (Presentation duration: 12 min/talk + 18 min Panel Discussion)	
Schedule: C Ground Meeting Room 1, 14:30-16:00, March 7	
1. Panrasee Ritthipravat (Thailand)	Development and Validation of AI Algorithm
2. Saroj Suvanasuthi (Thailand)	AI Assisted in Skin Cancer Screening on Smartphone Application
3. Fujisawa Yasuhiro (Japan)	Can Deep-Learning-Based, Computer-Aided Classifier Surpass Board-Certified Dermatologists in Skin Tumour Diagnosis?
4. Phairoj Jatanachai (Thailand)	AI Computing-Accelerate Analysis of DNA Sequencing Data, e.g. Personalized Cancer Medicine, Process
5. Hao Chen (Hong Kong)	Deep Learning for Large-Scale Digital Pathology Image Analysis
6. Pheng-Ann Heng (Hong Kong)	3D Deeply Supervised Network for Automated Segmentation of Volumetric Medical Images
7. Daniel Ting (Singapore) Lily Peng (US)	Panel Discussion

Symposium 6 (Chairs: Malvina Eydelman, Boonchai Kijsanayotin AI in Medicine Symposium: Social Aspects of AI (Presentation duration: 10 min/talk + 20 min Panel Discussion)	
Schedule: C Ground Meeting Room 1, 16:30-18:00, March 7	
1. Jochen Kumm (US)	Privacy and Data Ownership in The Age of Healthcare AI
2. Boonchai Kijsanayotin (Thailand)	Data Sharing and Standardization for AI
3. Robert Chang (US)	Blockchain and Data Sharing for AI
4. Nawanan Theera-Ampornpunt (Thailand)	Ethical & Legal Issues of AI in Medicine
5. Malvina Eydelman (US)	AI Approval: US FDA Perspectives
6. Jarom Britton (Singapore)	AI Principles: Perspectives from A Tech Company
7. Jorge Cuadros (US)	The Roles of Open Source Data and AI
8.	Panel Discussion on Everything AI

Cataract

Symposiums 1 (Chair: Marie-Jose Tassignon, George Beiko, Sabong Srivannaboon)

Hitting the Refractive Target — Sphere & Cylinder

(Presentation Duration: 8 min/talk)

Schedule: Plenary 2, 14:30-16:00, March 7

1. Gerd Auffarth (Germany)	Indication for Diffractive-toric IOLs
2. George Beiko (Canada)	Hitting the Refractive Target after RK
3. Patrick Versace (Australia)	Managing Unhappy Patients after Toric IOL Implantation
4. Seng Ei TI (Singapore)	Femtosecond Laser Cataract Surgery in Patients with Astigmatism/
5. David Chang (US)	Preventing Toric IOL Misalignment/Alignment and Repositioning
6. Marie-Jose Tassignon (Belgium)	Role of the Anterior Interface in the Final IOL Position
7. Jesper Hjortdal (Denmark)	Hitting the Refractive Target in Combined Cataract and Keratoplasty Surgery

Symposiums 2 (Chair: David Chang, Pichit NARIPTHAPHAN, Hungwon Tchah)

Refractive Cataract/IOL Surgery — My Top 5 Pearls (Presentation Type: 7 min talk + 5 min discussion)

Schedule: Plenary 2, 14:30-16:00, March 8

1. George Beiko (Canada)	Astigmatic Keratotomy
2. John Chang (Hong Kong) Abhay Vasavada (India) Hungwon Tchah (South Korea) Burkhard Dick (Germany)	Panel Discussion
3. Sumitra Khandelwal (US)	Toric IOL Challenges
4. John Chang (Hong Kong) Abhay Vasavada (India) Hungwon Tchah (South Korea) Burkhard Dick (Germany)	Panel Discussion
5. Robert Ang (Philippines)	Patient Selection for Presbyopia-correcting IOLs
6. John Chang (Hong Kong) Abhay Vasavada (India) Hungwon Tchah (South Korea) Burkhard Dick (Germany)	Panel Discussion
7. Pichit Naripthaphan (Thailand)	Monofocal Monovision
8. John Chang (Hong Kong) Abhay Vasavada (India) Hungwon Tchah (South Korea) Burkhard Dick (Germany)	Panel Discussion
9. Fam Han Bor (Singapore)	Post-LASIK Patients

10. John Chang (Hong Kong) Abhay Vasavada (India) Hungwon Tchah (South Korea) Burkhard Dick (Germany)	Panel Discussion
11. Gerard Sutton (Australia)	Managing Postop Refractive Surprises — When & How?
12. John Chang (Hong Kong) Abhay Vasavada (India) Hungwon Tchah (South Korea) Burkhard Dick (Germany)	Panel Discussion
13. Gerd Auffarth (Germany)	Managing Unhappy Refractive IOL Patients
14. John Chang (Hong Kong) Abhay Vasavada (India) Hungwon Tchah (Korea) Burkhard Dick (Germany)	Panel Discussion
Symposium 3 (Chairs: TK Chan, Steve Arshinoff, Pipat KONGSAP) Update on Cataract Surgery Pharmacology (Presentation Duration: 10+2 min/talk)	
Schedule: Plenary 2, 9:00-10:30, March 9	
1. David Chang (US)	Risk Factors for Steroid Response among Cataract Patients
2. John Chang (Hong Kong)	Intracameral Mydriatics
3. William Myers (USA)	What's New in Ocular Antisepsis?
4. Steve Arshinoff (Canada)	Choosing Your Intracameral Antibiotics
5. Haripriya Aravind (India)	Intracameral Moxifloxacin for Endophthalmitis Prophylaxis in Cataract Surgery (Aravind experience)
6. Tat Keong Chan (Singapore)	Intraocular Drug-related Complications: Learning from Past Lessons
7. Marie-Jose Tassignon (Belgium)	CME Prophylaxis in Cataract Surgery: The PREMED Study
Symposium 4 (Chairs: Soon Phaik Chee, Burkhard Dick, Thanapong SOMKIJRUNGROJ) New Technologies for Cataract Surgery (Presentation Duration: 9+3/talk & 7+3/debate)	
Schedule: Plenary 2, 11:00-12:30, March 7	
1. Tim Schultz (Germany)	EDOF IOLs on Trial: Latest Clinical Results
2. Gerd U. Auffarth (Germany)	New IOL Technology
3. Burkhard Dick (Germany)	Update on Latest Trends in Adjustable IOL Technology
4. Sumitra Khandelwal	New Tools
5. Thanapong Somkijrungrroj (Thailand)	Intraoperative OCT
6. Soon Phaik Chee (Singapore)	Capsulotomy Debate: Pro-Femto
7. David Chang (US)	Capsulotomy Debate: Pro-Zepto
8. Richard Packard (Germany)	Capsulotomy Debate: Pro-CAPSULaser

Symposium 5 (Chairs: Amar Agarwal, Shin Yamane, Sritatath VONGKULSIRI)**IOL Fixation with Deficient Capsular Support**

(Presentation Duration: 7 min/talk + 23 min/ Discussion)

Schedule: Plenary 2, 11:00-12:30, March 8

1. Chairs	Introduction
2. John Chang (Hong Kong)	Premium IOLs in the Setting of Capsular Rupture or Instability
3. David Chang (US)	Sulcus Fixation of 3 Piece IOLs with Severe Zonulopathy
4. Athiya Agarwal (India)	Glued IOL's — Tips, Tricks, and technique
5. Amar Agarwal (India)	Glued IOL in Combination with Other Surgeries Including IOL Scaffold, Single-Pass Four Throw Pupilloplasty and Pre-Descemets Endothelial Keratoplasty (PDEK)
6. Shin Yamane (Japan)	Yamane Technique
7. Hungwon Tchah (South Korea)	Iris Claw IOL
8. Soon Phaik Chee (Singapore)	Sutured CTR
9. Takeshi Sugiura (Japan)	Scleral Suture Fixation and Understanding with an Endoscope and UBM
10. Sritatath Vongkulsiri (Thailand)	Pars Plana Refixation of Dislocated IOL
11. George Beiko (Canada) Mohan Rajan (India) Gaurav Luthra (India) Burkhard Dick (Germany) Tetsuro Oshika (Japan)	Panel Discussion
12.	Conclusion

Symposium 6 (Chairs: Ronald Yeoh, RD Ravindran, Sombat SRISUWANPORN)**Conquering the Rock-Hard Cataract**

(Presentation Type: 3+15/Name Lecture, 8+4/talk)

Schedule: Plenary 2, 9:00-10:30, March 6

1. Ke Yao (China)	The ICO Mark Tso Golden Apple Award Lecture: Cataract Surgery in China: Femtosecond Laser-assisted Cataract Surgery (FLACS)
2. Ronald Yeoh (Singapore)	Challenges of the 'Catarock'
3. Abhay Vasavada (India)	Phacoing the Rock-hard Cataract
4. Steve Arshinoff (Canada)	Corneal Protection — OVD/Viscoelastic
5. Haripriya Aravind (India)	Manual Small Incision Cataract Surgery MICS
6. David Chang (US)	Newer Strategies in Managing Hard Cataracts
7. RD Ravindran (India)	Strategies in the Developing World

Symposium 7 (Chairs: David Chang, Dennis Lam, Pannet PANGPUTHIPONG)	
Cataract Video Complications — You Make the Call	
(Presentation Duration:	
Schedule: Plenary 2, 11:00-12:30, March 6	
1. Ti Seng Ei (Singapore)	Panel Discussion 1
2. Patrick Versace (Australia)	
3. Richard Packard (UK)	
4. Tetsuro Oshika (Japan)	
5. Victoria Wong (Hong Kong)	Panel Discussion 2
6. Mahipal Sachdev (India)	
7. Ronald Yeoh (Singapore)	
8. Ke Yao (China)	
Symposium 8 (Chairs: Amar Agarwal, John Chang, Theeratep TANTAYAKOM; Co-Moderators: Bennie Jeng, Ronald Krueger)	
Ophthalmic Premier League	
(Session Type: Video Symposium; Presentation Duration: 4 min/talk)	
Schedule: Plenary 2, 9:00-10:30, March 7	
1. Amar Agarwal (India) John Chang (Hong Kong) Theeratep Tantayakom (Thailand)	Introduction (Polling Q1)
2. Marie-Jose Tassignon (Belgium)	PC Rupture Team: Bag in the Lens Implantation
3. Rohit Om Parkash (India)	PC Rupture Team: Flap Motility Sign in PC Rupture
4. Mohan Rajan (India)	PC Rupture Team: IOL Scaffold
5. Ronald Yeoh (Singapore)	PC Rupture Team: Preventing PC Rupture in Soft Cataracts
6. Charles McGhee (New Zealand) Tetsuro Oshika (Japan) Robert Ang (Philippines)	Panel Discussion (Polling Q2)
7. Mahipal Sachdev (India)	Glued IOL / Yamane Team: Step by Step Mastering the Glued IOL Technique
8. George Beiko (Canada)	Glued IOL / Yamane Team: Mastering the Beiko/Steinert Technique of Preventing Haptic Slippage
9. Toshihiko Ohta (Japan)	Glued IOL / Yamane Team: Step by Step Mastering the T Shaped Fixation Technique
10. Shin Yamane (Japan)	Glued IOL / Yamane Team: Step by step Mastering the Yamane Technique
11. Hungwon Tchah (South Korea) Suber S Huang (US) Nivean Madhivanan (India)	Panel Discussion (Polling Q3)
12. Richard Packard	Cornea / Iris Team: Problems and Solutions with Different Pupil Expansion Devices
13. Gaurav Luthra (India)	Cornea / Iris Team: Single Pass 4 Throw Pupiloplasty
14. Steve Arshinoff (Canada)	Cornea / Iris Team: IFIS — Tips and Tricks to Master
15. Lionel Raj	Cornea / Iris Team: Pseudophakic Bullous Keratopathy Managed with PDEK

16. Shigeru Kinoshita (Japan) Vishal Jhanji (Hong Kong) Namrata Sharma (India)	Panel Discussion (Polling Q4)
17. Athiya Agarwal (India)	Devices Team: Trocar AC Maintainer
18. Soon Phaik Chee (Singapore)	Devices Team: Rings and Segments Used to Manage Subluxated Cataract
19. Burkhard Dick (Germany)	Devices Team: Multi-purpose Mask in Complex Cataracts
20. Gerd Auffarth (Germany)	Devices Team: Presbyopia IOL
21. Hugh Taylor (Australia) Ritika Sachdev S Natarajan (India)	Panel Discussion (Polling Q5)
22. Bennie Jeng (US) Ronald Krueger (US)	Conclusion
Symposium 9 (Chairs: Abhay Vasavada, David Chang, Thanapong Somkijrungrroj)	
Master Class: Managing PC Rupture and Vitreous Prolapse (Presentation Duration: 7+4/ talk + panel discussion)	
Schedule: Plenary 2, 16:30-18:00, March 8	
1. Victoria Wong (Hong Kong)	Limbal Anterior Vitrectomy — Why and How
2. Direk PATIKULSILA (Thailand) Sumitra Khandelwal (US)	Panel Discussion
3. Abhay Vasavada (India)	Pars Plana Anterior Vitrectomy — Why and How
4. Direk PATIKULSILA (Thailand) Sumitra Khandelwal (US)	Panel Discussion
5. William Mieler (US)	Anterior Vitrectomy Pitfalls for Cataract Surgeons
6. Direk PATIKULSILA (Thailand) Sumitra Khandelwal (US)	Panel Discussion
7. Richard Packard (UK)	Managing the Descending Nucleus
8. Direk PATIKULSILA (Thailand) Sumitra Khandelwal (US)	Panel Discussion
9. Amar Agarwal (India)	IOL Scaffold for Nucleus after PCR
10. Direk PATIKULSILA (Thailand) Sumitra Khandelwal (US)	Panel Discussion
11. David F. Chang (US)	Converting to ECCE
12. Direk PATIKULSILA (Thailand) Sumitra Khandelwal (US)	Panel Discussion
13. Thanapong Somkijrungrroj (Thailand)	IOL Implantation following PCR
14. Direk PATIKULSILA (Thailand) Sumitra Khandelwal (US)	Panel Discussion
15. Aravind Haripriya (India)	Reducing Endophthalmitis Risk with PCR
16. Direk PATIKULSILA (Thailand) Sumitra Khandelwal (US)	Panel Discussion



Cornea, External Eye Diseases, and Eye Bank

Symposium 1 (Chairs: Charles McGhee, Lalida PARIYAKANOK, Chia Li PANG)

Eye Banking in 2019: Advances and Challenges

(Presentation duration: 8+2/talk, 10 min Panel Discussion)

Schedule: Ballroom, 16:30-18:00, March 7

1. Chia Li PANG (Singapore)	Development of the Singapore Eye Bank in the Evolving Healthcare Landscape?
2. Elmer TU (US)	USA: Microbial Contamination in Eye Banking
3. Namrata SHARMA (India)	Current Trends in Eye Banking in India
4. Lalida PARIYAKANOK (Thailand)	Aspects of Corneal Transplantation and Eye Banking in Thailand
5. Fung-Rong HU (Chinese Taipei)	Reappraisal of the Suitability of Corneas from Bacteremic Donors for Use in Corneal Transplants
6. Victoria WONG (Hong Kong)	Eye Banking in Hong Kong — Recent Developments
7. Pierre GEORGES (Australia)	Eye Bank Preparation of Pre-Cut DSAEK/DMEK Tissue and Risks of Microbial Contamination
8. Jie ZHANG (New Zealand)	The Failing Endothelium: Future Alternatives to Endothelial Keratoplasty?
9.	Panel Discussion

Symposium 2 (Chairs: Michael Belin, Bennie Jeng, Woranart Tattiyakul)

Cornea Society Symposium: Evaluation & Treatment of Ectatic Corneal Disease

(Presentation Duration: 10 min/talk, 5 or 10 min/Q&A)

Schedule: Ballroom, 11:00-12:30, March 6

1. Rohit Shetty	Keratoconus is a Non-Inflammatory Thinning Disorder: Maybe Not
2. Michael W Belin	New Ways to Characterize Ectatic Disease: Out with the Old
3.	Q&A
4. Bennie Jeng	Non-Surgical Management of Keratoconus
5. Pooja Khamar	Pediatric Keratoconus: CXL at Time of Diagnosis is the Best Option
6. Juan Carlos Abad	Pediatric Keratoconus: Watchful Waiting is in the Patient's Best Interest
7.	Q&A
8. Vishal Jhanji (US)	Diagnosis and Management of Post-Refractive Ectasia
9. Shahzad Mian (US)	Beyond DALK: Evolving Surgical Techniques for Ectatic Disease
10.	Q&A

Symposium 3 (Chairs: Donald Tan, Somporn Chantra, Francis Price) Endothelial Keratoplasty (Presentation Duration: 10 + 2 min/talk)	
Schedule: Ballroom, 14:30-16:00, March 7	
1. Somporn CHANTRA (Thailand)	Air Bubble Management in Endothelial Keratoplasty
2. Marcus Ang (Singapore)	Updates on DMEK — Evidence and Outcomes
3. Francis Price (US)	Choosing the Right Keratoplasty Technique for Endothelial Failure. Why, When and How
4. Anthony Aldave (US)	DSEK in Eyes with ACIOLs: Outcomes Analysis to Guide ACIOL Management
5.	Q&A
6. Akira Kobayashi (Japan)	Development of a Donor Tissue Holding Technique for DMEK Using a 25-gauge Graft Manipulator
7. Donald TAN (Singapore)	Pull-through Endo-In DMEK Using a New DMEK Inserter — E-DMEK
8. Shigeru Kinoshita (Japan)	Reverse Translational Research in Corneal Endothelial Dysfunction
9.	Q&A
Symposium 4 (Chairs: Donald Tan, Usanee Reinprayoon, Rajesh Fogla) Anterior Lamellar Keratoplasty (Presentation Duration: 12+3 min/talk)	
Schedule: Ballroom, 9:00-10:30, March 6	
1. Anshu Arundhati (Singapore)	Long-term DALK Outcomes in the Singapore Corneal Transplant Registry
2. Rajesh Fogla (India)	Managing Complications in DALK Surgery
3. Tarek A. Katamish (Egypt)	B.B. DALK Rescue of Perforations at the Very Beginning of the Operations
4. Donald TAN (Singapore)	Repeat DALK in Stromal Dystrophies
5. Jodhbir Mehta (Singapore)	Hemi-automated Lamellar Keratoplasty
6. Namrata Sharma (India)	iOCT Guided DALK and DMEK
Symposium 5 (Chairs: Srinivas Rao, Alvin Young, Winai Chaidaroon) Debugging the Cornea (Presentation Duration: 10 min/talk + 10 min Q&A)	
Schedule: Ballroom, 14:30-16:00, March 8	
1. Lingyi Liang (China)	Ocular Demodicosis: Myth or Reality
2. Savitri Sharma (India)	ACSIKS
3. Kendrick Shih (Hong Kong)	Management of Non-tuberculous Mycobacterial Keratitis: The Great Masquerade
4. Elmer Tu (US)	Diagnosis and Management of Acanthamoeba Keratitis
5. Fung Rong HU (Chinese Taipei)	Microsporidia Keratoconjunctivitis: Clinical Features and Management
6. Ka Wai KAM (Hong Kong)	Cytomegalovirus Endothelitis
7. Eun Chul Kim (Korea)	Treatment of Infectious Scleritis
8. Srinivas Rao (India)	Surgical Management of Infective Keratitis
9.	Q&A

Symposium 6 (Chairs: Alvin Young, Chie Sotozono, Napaporn Tananuvat) All Things Inflammatory of the Anterior Segment (Presentation Duration: 10 min/ talk + 10 min Q&A)	
Schedule: Ballroom, 9:00-10:30, March 7	
1. Shizuka Koh (Japan)	Meibomian Gland Dysfunction
2. Louis Tong (Singapore)	Inflammation You Can See and Measure in Dry Eye
3. Colin Chan (Australia)	Allergic Conjunctivitis — Beyond Topical Antihistamines and Steroids
4. Vilavun Puangsricharern (Thailand)	Management of Acute Ocular Complications in Stevens-Johnson Syndrome/Toxic Epidermal Necrolysis
5. Chie Sotozono (Japan)	Epithelial Transplantation for Ocular Cicatricial Pemphogoid
6. Alvin Young (Hong Kong)	Update on the Management of Peripheral Ulcerative Keratitis
7. Napaporn TANANUVAT (Thailand)	Pitfalls in the Management of Scleritis
8. Srinivas Rao	The Unexplained Red Eye
9.	Q&A
Symposium 7 (Chairs: Shigeru Kinoshita, Jie Zhang, Kaevalin Lekhanont) Applied Corneal Laboratory Science (Presentation Duration: 8+2 min/talk)	
Schedule: Ballroom, 11:00-12:30, March 8	
1. Gerard Sutton (Australia)	The iFix Pen: 3D Bioprintng for Corneal Ulcers
2. Trevor Sherwin (New Zealand)	Sex, Self and Stem Cells
3. Pinnita Tanthuvanit PRABHASAWAT (Thailand)	Trend Strategies of Ocular Surface Regeneration in Thailand
4. Vilavun Puangsricharern (Thailand)	Cultivated Autologous Limbal Stem Cells Using New Method for Mass Production
5. Kohji Nishida (Japan)	iPS Derived Corneal Epithelial Sheet for the Treatment of Ocular Surface Diseases
6. Jie Zhang (New Zealand)	The Potential of the Transition Zone for Corneal Endothelial Regeneration
7. Gary Peh (Singapore)	Culture of Corneal Endothelial Cell Using a Dual Media Approach — Regulatory Compliance and Beyond
8. Friedrich Kruse (Germany)	Use of Rho Kinase Inhibitors as Substitute for Endothelial Transplantation
Symposium 8 (Chairs: Michael W Belin, Yi-Fei Huang, Suksri Chotikavanich) Indications, Techniques & Management of Keratoprosthesis (Presentation Duration: 9 min/talk)	
Schedule: Ballroom, 11:00-12:30, March 7	
1. Kimberly Sippel (US)	Evaluation & Patient Selection for Keratoprosthesis
2. Rajesh Fogla	Overview of Available Devices
3. Peter Zloty	Diagnosis & Management of the Boston KPRO
4. Suksri Chotikavanich (Thailand)	Management of Infections after KPRO
5. Bennie Jeng	Non-Glaucoma Post-Surgical Complications & Management
6. Sophie Deng	KPRO vs Limbal Stem Cell Therapy: Which One and When
7. Yi-Fei Huang	MICOF KPRO: Techniques, Results and Complications
8. Christopher Liu	OOKP is just TFH
9. Victor Charoenrook	Tibial Bone Keratoprosthesis: Technique and Results

Symposium 9 (Chairs: Michael W Belin, Dipika Patel, Chareenun Chirapapaisan) Advances in Corneal/Anterior Segment Imaging (Presentation Duration: 12 min/talk + 18 min Panel Discussion)	
Schedule: Ballroom, 9:00-10:30, March 9	
1. Julie Schallhorn	Computerized Videokeratocope (Placido) is still the Gold Standard for Screening Patients
2. Michael W Belin	The Gold Standard was Abandoned 80 years ago: So, Should Placido Imaging
3. Chareenun Chirapapaisan	Anterior Segment OCT: Clinical Applications and Differences between Machines
4. Dipika Patel	In Vivo Confocal Microscopy of the Inflamed Anterior Segment: Clinical applications
5. Sanjay V Patel	Tomographic Classification of Fuchs Dystrophy
6. Akilesh Gokul	Bio-Mechanics: Convince Me
7.	Panel Discussion
Symposium 10 (Chairs: Charles McGhee, Marcus Ang, Pinnita Tanthuvanit PRABHASAWAT) Restoring the Disrupted Anterior Segment Following Trauma — Accidental and Surgical (Presentation Duration: 10 min/talk + 20 min Q&A)	
Schedule: Ballroom, 9:00-10:30, March 8	
1. Jina Han (New Zealand)	Overview of Accidental and Surgical Trauma to the Anterior Segment
2. Gerard Sutton (Australia)	Primary Surgical Repair of Penetrating Corneal and Scleral Injuries
3. Pinnita Tanthuvanit PRABHASAWAT (Thailand)	Chemical Burns, How to Restore the Ocular Surface
4. Mohammed Ziaei (New Zealand)	Technique and Indication for Amniotic Membrane Transplant
5. Marcus Ang (Singapore)	Techniques and Indications for Tectonic Corneal Transplant
6. Charles McGhee (New Zealand)	Secondary Repair of Iris and Lenticular Injuries
7.	Q&A
Symposium 11 (Chairs: Thomas Fuchsluger, Shigeru Kinoshita, Jodhbir Mehta) EVER Symposium: Innovative Strategies for Corneal Regeneration (Presentation Duration: 12+3 min /talk + 15 min Panel Discussion)	
Schedule: Ballroom, 16:30-18:00, March 8	
1. Thomas Fuchsluger (Germany)	Regeneration of the Ocular Surface Using Biomaterials and Modification of the Cornea
2. Shigeru Kinoshita (Japan)	Basic Principle of Corneal Endothelial Regeneration
3. Mark Daniell (Australia)	Towards a Tissue Engineered Endothelial Keratoplasty; Proof of Concept in an In Vivo Sheep Model
4. Keith Baratz (US)	The Possibility of Medical Therapy for Fuchs Corneal Dystrophy
5. Jodhbir Singh Mehta (Singapore)	Regenerative Medicine for Pediatric Endothelial Disease
6.	Panel Discussion

Glaucoma

Symposium 1 (Chairs: Tin Aung, Seng Kheong Fang, Boonsong Wanichwecharungruang)

Angle Closure

(Presentation type:)

Schedule: Plenary 1, 9:00-10:30, March 6

1. Mingguang He (China)	Laser PI for Narrow Angles: the ZAAP Trial
2. Naris Kitnarong (Thailand)	Surgical Options for Chronic PACG
3. Rahat Husain (Singapore)	RCT of Phaco-GSL vs Phaco for PACG
4. R Venkatesh (India)	RCT of Location for Laser Iridotomy to Reduce Visual Disturbance
5. Wenbin Huang (China)	Automated Angle Classification Based on Volumetric Parameters of Anterior Chamber: An SS-OCT Study Automated angle classification based on volumetric parameters of anterior chamber: an SS-OCT study
6. Joon Mo Kim (Korea)	Subtypes of ACG: The Evidence
7. Hiroshi Sakai (Japan)	Zonule Weakness in ACG
8. Shuning Li	Blindness Following Acute Primary Angle Closure in North China
9. Syril Dorairaj (US)	

Symposium 2 (Chairs: Ki-Ho Park, Kazuhisa Sugiyama, Manchima Makornwattana)

Glaucoma Imaging

(Presentation type:)

Schedule: Plenary 1, 11:00-12:30, March 8

1. Christopher Leung (Hong Kong)	Textural Mapping for Defect Detection
2. Leopold Schmetterer (Singapore)	Using OCT in Advanced Glaucoma
3. Fei Li (China)	Artificial Intelligence Assisted Assessment of Morphology of Optic Disc and Visual Field
4. Michael JA Girard (Singapore)	OCTAGON: Optical Coherence Tomography & Artificial Intelligence for Glaucomatous Optic Neuropathy
5. Kazuhisa Sugiyama (Japan)	OCT-A Imaging for Glaucoma
6. Jost Jonas (Germany)	Glaucoma Imaging in the Myopic Eye
7. Toru Nakazawa (Japan)	Novel Imaging for Glaucoma
8. Ching-yu Cheng	Age-related Changes of RNFL and Macular Thickness in Normal Populations: Implications for Glaucoma Evaluation
9. M Afzal Bodla (Pakistan)	Retinal Nerve Fiber Layer Damage in Pre-Perimetric Glaucoma

Symposium 3 (Chairs: Jeffrey Liebmann, Neeru Gupta, Chaiwat Teekhasaenee) WGA Symposium: Hot Topic in Glaucoma (Presentation duration: 10 min/talk)	
Schedule: Plenary 1, 9:00-10:30, March 7	
1. Tin Aung (Singapore)	The Genetic Underpinnings of Glaucoma
2. Xiulan Zhang (China)	Is Glaucoma a Brain Disease?
3. Ki Ho Park (South Korea)	Macular Damage in Glaucoma
4. Jeffrey Liebmann (US)	Reducing Reliance on Perimetry
5. Tomasz Zarnowski (Poland)	Use of Anti-VEGF Agents in Glaucoma Surgery
6. Xinhuai Sun (China)	Advances in Childhood Glaucoma
7. Keith Barton (UK)	Are MIGS Useful in patients with Advanced Glaucoma?
8. Paul Chew (Singapore)	Tubes vs Trabeculectomy: Which is the Better Initial Inicisional Surgery?
9. Neeru Gupta (Canada)	Lymphatic Drainage from the Eye: A New Target for Therapy
Symposium 4 (Chairs: Keith Barton, Chelvin Sng, Somkiat Asawaphureekorn) MIGS for Glaucoma (Presentation type: Instruction Course; Presentation Duration: 10 min/talk)	
Schedule: Plenary 1, 14:30-16:00, March 7	
1. Paul Healey (Australia)	MIGS: An Overview
2. Ningli Wang (China)	ABIIC vs GATT
3. Shamira Perera (Singapore)	Hydrus
4. Chelvin Sng (Singapore)	Innfocus Microshunt
5. Nathan Kerr (Australia)	iStents
6. Catherine Liu (Chinese Taipei)	Xen
7. Imtiaz Ali (Pakistan)	Can Trab be Replaced by MIGS in Underdeveloped Countries?
8. Anton Hommer	Patient Selection for MIGS: Where it Makes Sense and Where Not?
Symposium 5 (Chairs: Xiulan Zhang, Jost Jonas) Interdisciplinary Discussion: Glaucoma and Myopia (Presentation type: Panel Discussion)	
Schedule: Plenary 1, 11:00-12:30, March 7	
1. Christopher Leung (Hong Kong)	1. What is the Possible Pathogenesis of Glaucoma Combined with Myopia? Is there a Relationship between Myopic Peripapillary Choroidal Atrophy and Glaucomatous Peripapillary Atrophy? 2. What are the Challenges to Make Diagnosis on Glaucoma among Highly Myopic Eyes? 3. What Level of IOP do You Do Trabeculectomy (Trab) in Myopic Glaucoma with VF Progression? Or Never Do Trab in Myopic Eyes? 4. What are the Pearls and Pitfalls of Laser Vision Correction in Patients with Glaucoma? 5. Is Axial Length Enlargement in Myopic Eyes Related to Intraocular Pressure Change? Is it Necessary to Lower the IOP of Children with Increased Ocular Diopter and Axial Length?
2. Norman Aquino (Philippines)	
3. Tae Woo Kim (Korea)	
4. Tetsuya Yamamoto (Japan)	
5. Paul Healey (Australia)	
6. Prin Rojanapongpun (Thailand)	
7. Ronald Krueger (US)	
8. John Chang (HK)	
9. Xingtao Zhou (China)	
10. Mingguang He (Australia)	
11. Ian Morgan (Australia)	
12. Seang-Mei Saw (Singapore)	

Symposium 6 (Chairs: Prin Rojanapongpun, Tetsuya Yamamoto, Ki Ho Park) APGS symposium: Hot Q & A (Presentation type:)	
Schedule: Plenary 1, 11:00 – 12:30, March 8	
1. Lingam Vijaya (India)	Is There a Place for Provocative Test?
2. Lutz Pillinat (Germany)	Is NTG and POAG the Same Disease?
3. Ching Lin Ho (Singapore)	Is Anterior Segment Imaging Better than Gonioscopy?
4. Makoto Araie (Japan)	Is Prophylactic Iridotomy Necessary for Narrow Angle?
5. Do Tan (Vietnam)	Is SLT the Best Option for Early Intervention?
6. Ningli Wang (China)	Is MIGS Better for Early Intervention in OAG?
7. Clement Tham (Hong Kong)	Is Clear Lens Extraction the Best Option for Angle Closure?
8. Tetsuya Yamamoto (Japan)	Is Early Surgery the Best Option for NTG?
9. Nazrul Islam (Bangladesh)	Is Tube Surgery a Better Option for Post-PK Glaucoma?
Symposium 7 (Chairs: Jost Jonas, Claire Mitchell, Ngamkae Ruengwaravate) New Frontiers in Glaucoma: From Bench to Bedside (Presentation duration: 10 min/talk)	
Schedule: Plenary 1, 11:00-12:30, March 6	
1. Janey Wiggs (US)	Angiopoietin-1 is Required for Schlemm's Canal Development in Mice and Humans
2. Claire Mitchell (US)	Linking Elevated IOP to Inflammatory Signals
3. Bo Peng (China)	The Origins of Repopulated Microglia in the Brain and the Retina
4. Tina Wong (Singapore)	Drug Delivery Systems for Glaucoma Management
5. Robert Ritch (US)	The Role of Sleep Apnea and Sleep Position in Glaucoma Progression
6. Michael Girard (Singapore)	New Frontiers in the Biomechanics of the Optic Nerve Head
7. Ki Ho Park (Korea)	New Frontiers in the Etiology of Optic Disc Hemorrhages
8. Megumi Honjo (Japan)	New Frontiers in the Medical Therapy of Glaucoma
Symposium 8 (Chairs: Poemen Chan, Tetsuya Yamamoto, Visanee Tantisevi) Case Presentation and Discussion (Presentation duration: 8+2 min/talk)	
Schedule: Plenary 1, 16:30-18:00, March 8	
1. Liuzhi Zeng (China)	A Complicated Case
2. Vijaya Lingam (India)	Traumatic Hyphema
3. Nadeem Butt (Pakistan)	Steroid Induced Cataract and Glaucoma in a Child of Nephrotic Syndrome
4. Yuanbo Liang (China)	Canaloplasty for iridocorneal Endothelial Syndrome: The Rationale and 4 Cases
5. Tae Woo Kim (Korea)	Glaucoma Suspect Cases Showing Different Rate of Progression
6. Ming Yueh Lee (Malaysia)	Nanophthalmos with Primary Angle Closure Glaucoma
7. Darin Sakiyalak (Thailand)	Epithelial Downgrowth and UGHS
8. Poemen Chan (Hong Kong)	Acute Corneal Subepithelial Hydrop
9. Visanee Tantisevi (Thailand)	Glaucoma or Else?

Symposium 9 (Chairs: Seng Kheong Fang, Norman Aquino, Wallop Iamsomboon)	
Film Festival	
(Presentation type:)	
Schedule: Plenary 1, 14:30-16:00, March 8	
1. Shamira Perera (Singapore)	How to Phaco When the ACD<CCT
2. Clive Peckar (UK)	The Value of Ab-Externo Canaloplasty Today
3. Joseph Anthony Tumbocon (Philippines)	Revision of Over-Filtering Blebs Using Scleral Patch Grafts
4. Kazuhiko Mori (Japan)	Repairing Large Leaking Bleb with Conjunctival Advancement
5. Dexter Leung (Hong Kong)	Implantation of Xen and iStent
6. Makoto Aihara (Japan)	Ab Interno MIGS Trabeculotomy with Microhook
7. Wong Hon Tym (Singapore)	Dealing with Complications of iStent Insertion
8. Thasarat Vajaranant (US)	Tips for Tube Surgery
Symposium 10 (Chairs: Jimmy Lai, Ying Han, Kessara Pathanapitoon)	
Secondary Glaucoma and Others	
(Presentation type:)	
Schedule: Plenary 1, 16:30-18:00, March 7	
1. Kazuhiko Mori (Japan)	Secondary glaucoma with keratoplasty
2. Jimmy Lai (Hong Kong)	The management of NVG
3. Xiulan Zhang (China)	what we can do for the ICE?
4. Robert Ritch (US)	Exfoliation Syndrome: A Potentially Preventable or Reversible Disease
5. Atsuya Miki (Japan)	Glaucoma associated with Sturge-Weber Syndrome
6. Ying Han (US)	Secondary glaucoma with uveitis
7. Chun Zhang (China)	Real world study of PSS
8. Dexter Leung (Hong Kong)	Updates on management of secondary glaucoma related to silicone oil use post-vitreectomy
9. Makoto Aihara (Japan)	Micropulse CPC to treat refractive glaucoma

Intraocular Inflammation, Uveitis & Scleritis

Symposium 1 (Chairs: Uwe Pleyer, Peter McCluskey, Sukhum Silpa-archa)

Challenges in Chronic Ocular Surface Inflammation

(Presentation type: 12+3 /talk + 15 Panel Discussion)

Schedule: Meeting Room 4, 16:30-18:00, March 7

1. Peter McCluskey (Australia)	Differential Diagnosis: Cicatrising Conjunctivitis and Ocular Pemphigoid: How Do We Sort This Out?
2. Stephanie Watson (Australia)	Corneal Involvement in AKC and VKC When “Allergy” Threatens Vision
3. Uwe Pleyer (Germany)	Sclera on Fire – 10 Points You Have to Care for...
4. Kalpana Babu Murthy (India)	Steven – Johnson – Syndrome: An Unsolved Issue...
5. Harvey Uy (Philippines)	Medical Treatment of Immune-Mediated Ocular Surface Disorders: from Topical to Systemic
6.	Panel Discussion

Symposium 2 (Chairs: Narsing Rao, Somasheila Murthy, Somsiri Sukavatcharin)

Clinical Cases Based Diagnosis and Treatment of Infectious Uveitis Prevalent in Asia-Pacific Region

(Presentation duration: 10 min/talk + 10 min/ Q&A)

Schedule: Meeting Room 4, 11:00-12:30, March 6

1. Somasheila Murthy (India)	Tuberculous Sclera-uveitis: Diagnosis and Treatment
2. Kalpana Babu Murthy (India)	Tuberculous Granulomatous Anterior Uveitis Differentiation from Ocular Sarcoidosis
3. Somsiri Sukhavatcharin (Thailand)	Tuberculous Retinal Vasculitis: Diagnosis and Treatment
4. Narsing Rao (US)	Management of Paradoxical reaction in Tuberculous Choroiditis
5. Jyotirmay Biswas (India)	Diagnosis and Treatment of Tuberculous Uveitis in HIV Patients
6. Hiroshi Goto (Japan)	Diagnosis and Treatment of Acute Viral Retinal Necrosis and Its Complications
7. Sutasinee Boonsopon (Thailand)	Management Approaches to Syphilitic Uveitis
8. Wantanee Sittivarakul (Thailand)	Diagnosis and Treatment of Atypical Toxoplasmic Retinochoroiditis
9.	Q&A

Symposium 3 (Chairs: Ann-Marie Lobo-Chan, Aniki Rothova, Nattaporn Tesavibul)

Immunomodulatory Intervention in the Treatment of Recalcitrant Non-Infectious Uveitis

(Presentation duration: 10 min/talk + 30 min Questions & Answer)

Schedule: Meeting Room 4, 16:30-18:00, March 8

1. Nattaporn Tesavibul (Thailand)	Dealing with Recalcitrant Non-Infectious Uveitis in Thailand
2. John A. Gonzales (US)	Current Approach in Selecting Immunomodulatory Agents in Treatment of Intermediate, Posterior and Pan Uveitis
3. Kessara Pathanapitoon (Thailand)	Immunosuppressive Agents in Behcet's Disease in Thailand
4. Aniki Rothova (Netherlands)	Ocular Sarcoidosis and the Best Systemic Options
5. Jyoti Biswas (India)	Immunomodulatory Treatment in Recalcitrant VKH Disease
6. Ann-Marie Lobo-Chan (US)	Seronegative Spondyloarthropathy Related Uveitis (HLA B27 Associated Uveitis) and Immunomodulatory Treatment
7.	Questions & Answer

Symposium 4 (Chairs: Youxin Chen, Timothy Lai, Thanapong Somkijrungraj)

Current Imaging and Investigation Modalities in the Management of Uveitis

(Presentation duration: 11 min/talk +10 Q&A)

Schedule: Meeting Room 4, 9:00-10:30, March 7

1. Thanapong Somkijrungraj (Thailand)	Systemic Imaging Investigations for Uveitis
2. Hyeong Gon Yu (South Korea)	Fundus Autofluorescence in Posterior Uveitis
3. Liu Yang (China)	New Findings on Uveitis Using Multimodal Imaging
4. Rupesh Agrawal (Singapore)	Enhanced Depth Imaging OCT of the Choroid in Uveitis
5. Xuan Shi (China)	Multimodal Imaging of White Dot Syndromes: From Technology to Pathology
6. Danny Ng (Hong Kong)	OCT Angiography for the Management of Uveitis
7. De-Kuang Hwang (Chinese Taipei)	Molecular Techniques in the Diagnosis of Uveitis
8.	Questions and Answers



Neuro-Ophthalmology

Symposium 1 (Chairs: Dean Cestari, Carmen Chan, Nipat Aui-aree)

The Most Commonly Asked Questions of Neuro-Ophthalmologists (Presentation Duration: 12+3/talk)

Schedule: Meeting Room 3, 9:00-10:30, March 8

1. Clare Fraser (Australia)	Is the Visual Loss from Retinal or Optic Nerve Causes?
2. Carmen Chan (Hong Kong)	How Do I Distinguish Normal-Tension Glaucoma from Non-Glaucomatous Optic Neuropathy?
3. Celia Chen (Australia)	What Are the Best Office and Ancillary Tests for Non-Organic Visual Loss?
4. Fang Lu (China)	How Do I Distinguish Papilledema from Pseudopapilledema?
5. Dean Cestari (US)	What Is the Workup for Esotropia With Abduction Weakness?
6. Shaoying Tan (China)	Do I Give My Patient with Acute Optic Neuritis Steroids?

Symposium 2 (Chairs: Supanut Apinyawasisuk, Anthony Arnold, Jeong-min Hwang)

Neuroimaging for The General Ophthalmologists: A Case-Based Workshop (Presentation Duration: 12+3/talk)

Schedule: Meeting Room 3, 11:00-12:30, March 7

1. Jeong-min Hwang (Korea)	Proptosis and Eyelid Swelling
2. Anuchit Poonyathalang (Thailand)	Pupil Involving CN3 Palsy
3. Anthony Arnold (US)	Papilledema
4. An-Guor Wang (Chinese Taipei)	Cranial Neuropathies
5. Celia Chen (Australia)	Stroke
6. Lynn Gordon	Optic Neuritis (Evolving MRI Criteria for MS and NMO Diagnosis)

Symposium 3 (Chairs: Kitthisak Kitthaweesin, Prem Subramanian, Yong Zhong)

What's New in Clinical Neuro-Ophthalmology?

(Presentation Duration: 12+3/talk)

Schedule: Meeting Room 3, 9:00-10:30, March 7

1. Dean Cestari (US)	Evolving Concept of NMO VS MOG VS "Routine" Optic Neuritis
2. Prem Subramanian (us)	Current Status of Venous Sinus Stenting for Idiopathic Intracranial Hypertension
3. Dan Milea (Singapore)	The Genetics of Optic Nerve Tumors – Therapeutic Implications
4. Wanicha Chuenkongkaew (Thailand)	Current Status of Leber Hereditary Optic Neuropathy Treatment Trials
5. Yong Zhong (China)	Current Status of Non-arteritic Anterior Ischemic Optic Neuropathy Treatment Trials
6. Parima Hirunwiwatkul (Thailand)	OCT Angiography and Neuro-Ophthalmologic Disorders

Symposium 4 (Chairs: Lynn Gordon, Busaba Sathornsumetee, Shihui Wei)

APAO – NANOS Symposium: Neuro-Ophthalmologic Emergencies – How to Tell When It Is an Emergency and When It Is Not

(Presentation Duration: 12+3/talk)

Schedule: Meeting Room 3, 11:00-12:30, March 8

1. Lynn Gordon (US)	A Middle-Aged Patient with Acute Visual Loss and Ophthalmoparesis
2. Dan Milea (Singapore)	A Young Adult with Facial Pain, Anisocoria, Normally Reactive Pupils
3. Sharon Tow (Singapore)	An Elderly Patient with Acute Severe Unilateral Visual Loss and A Normal Fundus
4. Satoshi Kashii (Japan)	A Patient with Double Vision, Ptosis, And A Slightly Dilated Pupil
5. Karl Golnik (US)	An Older Patient with Transient Monocular Visual Loss
6. Clare Fraser (Australia)	A Young Woman with Bilateral Disc Swelling and Tunnel Vision

Symposium 5 (Chairs: Hyosook Ahn, Neil Miller, Juthamat Witthayaveerasak)

Anomalous Optic Discs: Not Just Something to Be Admired!

(Presentation Duration: 12+3/talk)

Schedule: Meeting Room 3, 9:00-10:30, March 6

1. Anthony Arnold (US)	Anomalous Disc Elevation 1: Superficial and Deep Drusen
2. Prem Subramanian (US)	Anomalous Disc Elevation 2: Without Drusen
3. Karl Golnik (US)	Anomalous Disc Excavation 1: The Morning Glory Syndrome
4. Neil Miller (US)	Anomalous Disc Excavation 2: Colobomas, Pits, and the Papillorenal Syndrome
5. Mahesh Kumar	Hypoplastic Discs
6. Hyosook Ahn	Tilted Discs

Symposium 6 (Chairs: Linda Hansapinyo, Satoshi Kashii, An-Guor Wang)

APAO – ASNOS Symposium: Neuro-Ophthalmology in Asia

(Presentation type:)

Schedule: Meeting Room 3, 16:30-18:00, March 7

1. Syntia Nusanti (Indonesia)	Ethambutol Toxic Neuropathy – Our Experience (Indonesia)
2. Rashmin Gandhi (India)	Neuro-Ophthalmology Training in India: Present and Future
3. Shihui Wei (China)	Targeted Immunotherapy in Neuromyelitis Optica Spectrum Disorder: Recent Advances
4. Buenjim L. Mariano (Philippines)	“Our Optic Neuritis” – A Different Way to View Asian Optic Neuritis
5. Clement Tan (Singapore)	Investigation of Optic Neuritis
6. Ming-Hui Sun (Chinese Taipei)	Is There an Association Between Sleep Apnea and Ischemic Optic Neuropathy?
7. Hyun Taek Lim (Korea)	Effect of Erythropoietin in the Treatment Of Non-arteritic Anterior Ischemic Optic Neuropathy
8. Niphon Chirapapaian (Thailand)	Challenging Cases in Neuro-Ophthalmology



Ocular Imaging

Symposium 1 (Chairs: Tien Yin Wong, Ki Ho Park, Carol Cheung)

Inaugural APOIS Symposium: Ocular Imaging in 2020 and in 20-Year Time

(Presentation Duration: 7 min/talk + 18 min Panel Discussion)

Schedule: Plenary 2, 16:30-18:30, March 7

1. Inaugural Ceremony	Welcome Speech (5 min) — Tien Yin Wong GOH Speech: How will Ocular Imaging Evolve in the Next 20 years? (20 min) — Srinivas Sadda Ceremony (5 min)
2. Ki Ho Park (Korea)	Wide Field Imaging: Now & Future
3. Pearse Keane (Ireland)	OCT-angiography: Now & Future
4. Gemmy Cheung	Swept-source OCT: Now & Future
5. Jay Chhablani (India)	Choroidal Imaging: Now & Future
6. Christopher Leung	Anterior Segment OCT: Now & Future
7. Jin Yuan (China)	Corneal imaging: Now & Future
8. Yoshiaki Yasuno	Multi-functional OCT: Now & Future
9. Neil Bressler (US)	Major OCT Lessons from DRCR.Net
10. Mingguang He	AI in Ocular Imaging: Now & Future
11.	Panel Discussion

Symposium 2 (Chairs: Leopold Schmetterer, Marcus Ang, Napaporn Tananuvat)

What's New in Anterior Segment Imaging?

(Presentation Duration: 10+5 min/talk)

Schedule: Meeting Room 3, 11:00-12:30, March 6

1. Marcus Ang (Singapore)	OCT Angiography of the Anterior Segment
2. Leopold Schmetterer (Singapore)	UHR OCT of the aqueous outflow pathwayAqueous Outflow Pathway
3. Reiko Arita (Japan)	Meibography
4. Owan Suwan-apichol	Confocal Microscopy
5. Clement Vass	Chamber Angle Imaging — Does It Replace Gonioscopy?
6. Alina Popa Cherecheanu	Ultrasound Biomicroscopy

Symposium 3 (Chairs: Christopher Leung, Neeru Gupta, Boonsong Wanichwecharungruang)**What's New in Glaucoma Imaging?**

(Presentation Type: 10 min presentation + 6 min Panel Discussion)

Schedule: Meeting Room 3, 16:30-18:00, March 8

1. Christopher Leung (Hong Kong)	Progression Analysis by Imaging
2. Henry Chen (Chinese Taipei)	OCT Angiography
3. Atsuya Miki (Japan)	Imaging Deep Optic Nerve Head Structure
4. Ahnul Ha (South Korea)	New Findings in Photoreceptor Change According to Glaucoma Severity
5. Neeru Gupta (Canada)	Impaired CSF Entry into The Optic Nerve in Glaucoma
6. Mingguang He (Australia)	Deep Learning System for Detecting Glaucomatous Optic Neuropathy
7. Yanin Suwan (Thailand)	OCT-A in Myopia
8. Natalia Ivanovna Kuryshva (Russia)	Does OCTA Play A Role in The Detection of Glaucoma Progression?
9.	Panel Discussion

Symposium 4 (Chairs: Gemmy Cheung, Janejit Choovuthayakorn, Srinivas Sadda)**What's New in Retinal Imaging?**

(Presentation Duration: 10+2/talk)

Schedule: Meeting Room 3, 14:30-16:00, March 7

1. Srinivas Sadda (US)	An Overview of What's New in Retinal Imaging
2. Nopasak Phasukkijwatana (Thailand)	Peripapillary Pachychoroid Syndrome
3. Xinjian Chen (China)	New Retinal Image Processing Methods
4. Adnan Tufail	How is AI Going to Change the Retinal Specialist's Practice
5. Yasushi Ikuno (Japan)	Advances in Imaging in High Myopia
6. Kenny Lai (Hong Kong)	A Practical Solution of Home Screening with Portable Retinal Self-Imaging Devices and Cloud Technology
7. Roberto Gallego-Pinazo	Multimodal Imaging for Choroidal Diseases

Ocular Oncology & Pathology

Symposium 1 (Chairs: Bin Li, Tero Kivela, Jianhong Liang)

Uveal Melanoma

(Presentation Duration: 15 min/talk)

Schedule: Lotus Room, 11:00-12:30, March 6

1. Bin Li (China)	The Case of Ciliary Body Occupied Lesion Manifested as Anterior Chamber Tumor
2. Anita Chan (Singapore)	Uveal Melanoma in Singapore: Diagnosis, Management and Molecular Testing
3. Bozena Romanovska-Dixon (Poland)	Usefulness of SS-OCT in Differential Diagnosis of Small Uveal Melanoma
4. Jianhong Liang (China)	Surgical Resection of Uveal Tumors
5. Tero Kivela (Finland)	BAP1 Tumor Disposition Syndrome
6. Nadeem Hafeez Butt	Ophthalmic Manifestations of Acute Leukaemia

Symposium 2 (Chairs: Rita Sitorus, Didi Fabian, Gangadhara Sundar)

APSOOP Symposium: Retinoblastoma

(Presentation Duration: 8+3 min/talk)

Schedule: Lotus Room, 14:30-16:00, March 7

1. Didi Fabian (UK)	Global Retinoblastoma Presentation 2017
2. Quah Boon Long (Singapore)	Current Classification of Retinoblastoma
3. Fairouz PM (India)	Intravenous VS Intraarterial Chemotherapy for Retinoblastoma
4. Santosh Honavar (India)	Management of Vitreous Seeds and Anterior Chamber Seeds in Retinoblastoma
5. Xianqun Fan (China)	The Pathogenesis and New Therapeutic Techniques of Retinoblastoma
6. Pantipa Wongwai (Thailand)	MRI Imaging and Pathological Correlation in Retinoblastoma
7. Rita Sitorus (Indonesia)	Orbital Recurrence After Enucleation in Retinoblastoma
8. Gangadhara Sundar (Singapore)	To Exenterate or Not To Exenterate – Some Interesting Cases

Symposium 3 (Chairs: Santosh Honavar, Hiroshi Goto, Minas Coroneo) Orbit, Eyelid	
Schedule: Lotus Room, 16:30-18:00, March 7	
1. Minas Coroneo (Australia)	Ocular Surface Malignancies
2. Renbing Jia (China)	From Bench to Bed-An Update on Research of Eyelid Sebaceous Carcinoma in China
3. Hendrian D Soebagjo (Indonesia)	New Concepts of Ocular Surface Squamous Neoplasia in Indonesia
4. Hiroshi Goto (Japan)	Sebaceous Gland Carcinoma of the Eyelid
5. Rui Tian (China)	Application of Conjoint Fascial Sheath (CFS) Suspension in Severe Blepharoptosis in Children
6. Saturu Kase (Japan)	Flow Cytometry in the Diagnosis of Lymphoma and Lymphoproliferative Disorders
7. Santosh Honavar (India)	What am I Doing for Orbital Tumors This Year?
Symposium 4 (Chairs: Martine Jager, Michael Ng, Duongnate Rojanaporn) Basic Science in Ocular Oncology (Presentation Duration: 11 min/talk)	
Schedule: Lotus Room, 11:00-12:30, March 8	
1. Martine Jager (Netherlands)	Cytokines in the Anterior Chamber in UM
2. Michele Madigan (Australia)	Pigment and Uveal Melanoma
3. Mithalesh Kumar Singh (India)	NFkB Pathway in Uveal Melanoma
4. Jinfeng Cao (China)	Chinese Medicine and Uveal Melanoma
5. Michael Ng (Hong Kong)	Cigarette Smoking on Human Pterygium Neoplastic Cells: Harmful or Beneficial?
6. Lata Singh (India)	Immunotherapy and Sebaceous Gland Carcinoma
7. Duongnate Rojanaporn (Thailand)	Retinoblastoma Organoids
8. Geeta Vemuganti (India)	Retinoblastoma Stem cells
Symposium 5 (Chairs: Xianqun Fan, Deepak Edward, Anita Chan) Pathology Cases (Presentation Duration: 10 min/talk)	
Schedule: Lotus Room, 16:30-18:00, March 8	
1. Xianqun Fan (China)	
2. Deepak Edward (Saudi Arabia)	Orbital Lesion with Brown Spots
3. Hunter Yuen (Hong Kong)	Sebaceous Cell Carcinoma with Pagetoid Spread
4. Anita Chan (Singapore)	Cytological Diagnosis of Intraocular Lymphoma Supported by Single Cell Molecular Analysis
5. Issam Al Jajeh (Singapore)	
6. Vivian Yin (Canada)	Lentigo Maligna with Spread to Conjunctiva
7. Nripen Gaur (India)	
8. Jason Lee (Singapore)	Large Lacrimal Gland Fossa Mass – Keep an Open Mind
9. Duongnate Rojanaporn (Thailand)	



Ophthalmic Epidemiology, Telemedicine, Big Data & AI

Symposium 1 (Chairs: Seang-Mei Saw, Ian Morgan, Chris Hammond)

Predictors of High Myopia and Pathologic Myopia

(Presentation Duration: 8+2 min/talk + 10 min Panel Discussion)

Schedule: Meeting Room 1, 11:00-12:30, March 8

1. Ian Morgan (Australia)	Worldwide Epidemiology of High Myopia
2. Kathy Rose (Australia)	Risk Factors for High Myopia and Pathologic Myopia
3. Christopher Hammond (UK)	Genetics of Simple, High and Pathological Myopia: Same or Different?
4. Pirro Hysi (UK)	Genetic Prediction of High Myopia
5. Wong Chee Wai	Choroidal Thinning and High Myopia
6. Donny Hoang	Scleral Rigidity in Highly Myopic Eyes
7. Anthony Kuo (US)	Eye Shape and High Myopia
8. Seang-Mei Saw (Singapore)	Epidemiology, Risk Factors and Visual Impact of Pathologic Myopia in Singapore
9.	Panel Discussion

Symposium 2 (Chairs: Yuanbo Liang, Somkiat Asawaphureekorn)

Big Data and Big Study

Schedule: Boardroom 4, 9:00-10:30, March 7

1. Robert Chang (US)	Data Sharing and Blockchain
2. Christopher Hammond (UK)	UK Biobank Cohort: How Does the Big Data Contribute to Ophthalmology
3. Bandit Thinkhamrop (Thailand)	Ncrc Tools: Free, Do-It-Yourself Online Tools for Conducting and Managing Research and Epidemiological Project
4. Ching-Yu Cheng (Singapore)	Asian Eye Epidemiology Consortium: What did We Learn in the Past One Year
5. Mingguang He (China)	45 and Up Study: From Data to Prediction
6. Michael Chiang (US)	EHR and Big Data in Ophthalmology
7. Mohamed Dirani (Australia)	Mobile Apps as a New Way to Collect Big Data

Orbital & Oculoplastic Surgery

Symposium 1 (chairs: Dongmei Li, Raoul Henson, Preamjit Saonanon)

Office-based Oculoplastic Procedures

(Presentation Duration: 10 min/talk + 10 min Q&A)

Schedule: Lotus Room, 14:30-16:00, March 8

1. Chee Chew Yip (Singapore)	Form and Finesse in Oculo-Facial Rejuvenation with Dermal Fillers
2. Bobby Korn (US)	The Two Minute Ptosis Repair
3. Wei Lu (China)	Comprehensive Repair of Periorbital Soft Tissue with Hyaluronic Acid Gel
4. Raoul Henson (Philippines)	Punctoplasty with Insertion of Mini-Monoka Stent
5. Preamjit Saonanon (Thailand)	Lower Blepharoplasty for Young Adult
6. Mary Rose Yan (Philippines)	Intralesional Triamcinolone for Vascular Malformations Without Communication
7. Akihide Watanabe (Japan)	Lacrimal Intubation for Primary Acquired NLDO
8. Sunny Shen (Singapore)	Management of Exposure Keratopathy
9.	Q&A

Symposium 2 (chairs: Lay Leng Seah, Hunter Yuen, Bunyada Putthirangsiwong)

Oculoplastic Conditions and Techniques You Don't Want to Miss

(Presentation Duration: 10 min/talk + 10 min Q&A)

Schedule: Lotus Room, 9:00-10:30, March 7

1. Yi Wang (China)	Customized Orbital Decompression for Exophthalmos And Diplopia In TAO
2. Lakshmi Mahesh (India)	Dipping Platelets and Bleeding Orbits
3. Daniel Rootman (US)	Numbness in CN V1: Signs of Bad Things
4. Weerawan Chokthaweesak (Thailand)	Sebaceous Cell Carcinoma: The Big Picture
5. Dongmei Li (China)	Recurrent Conjunctival Hyperemia with Ptosis as Symptoms of Systemic Amyloidosis
6. Tomoyuki Kashima (Japan)	Challenging Conventions — Do Dermal Fillers Even Have A Role in Orbital Diseases?
7. Morgan Yang (Singapore)	Is This Orbital Inflammation or Something Else?
8. Rajendra Prakash Maurya (India)	Unusual Caruncular Mass Lesions
9.	Q&A

Symposium 3 (chairs: Ashok Grover, Peter Dolman, Pimkwanj Jaru-ampornpan)

Recent Advances in Orbital and Oculoplastics

(Presentation Duration: 10 min/talk + 20 min/ award lecture)

Schedule: Lotus Room, 11:00-12:30, March 7

1. Vivian Yin (Canada)	Recent Advances in Biologic Therapy for Eyelid and Orbital Malignancies
2. Santosh Honavar (India)	Recent Advances in Multimodal Therapy for Lacrimal Malignancies

3. Rong Lu (China)	Transnasal Endoscopic Orbital Cavernous Malformation Excisions
4. Ezekiel Weis (Canada)	Recent Advances in Corneal Neurotization Surgery: A Canadian Experience
5. Rohit Saiju (Nepal)	Recent Advances in Eyelid Surgery
6. Kyung In Woo (South Korea)	Sphenoid Wing Meningioma Resection Through A Transorbital Approach
7. Saul Rajak (UK)	Recent Advances in Lacrimal Imaging: The MR-DCG
8. Nila Moeloek (Indonesia)	Holmes Award Lecture: Tumor of the Eye in Indonesia
Symposium 4 (Chairs: Timothy Sullivan, Kelvin Chong, Raveewan Choontanom)	
2019 APAO Oculoplastic Video Cram Course	
(Presentation Duration: 5 min/talk + 15 min/Q&A)	
Schedule: Lotus Room, 9:00-10:30, March 6	
1. Jae Woo Jang (South Korea)	Non-Incisional, Small Incisional to Standard Approach Double-Eyelid Operations
2. Jeremiah Tao (US)	Surgical Rejuvenation of The Lower Eyelid and Midface
3. Juan Ye (China)	Aesthetic Management of the Canthi
4. Julian Perry (US)	Expanding Armamentarium for Brow Elevation
5. Huifang Zhou (China)	Graded, Upper and Lower Lid Recession in Thyroid Associated Orbitopathy
6. Tim Sullivan (Australia)	5 Flaps for Periocular Reconstruction
7. Wencan Wu (China)	Optic Canal Decompression – Different Indications and Different Strategies
8. Catherine Hwang (US)	Optic Nerve Sheath Fenestration
9. Renbing Jia (China)	Palpebral to Extracranial Reconstruction in Orbitotemporal Neurofibromatosis
10. Kasturi Bhattacharjee (India)	Orbital Advancement in Craniosynostosis
11. Santosh Honavar (India)	Exenteration – From Operative Variations to Rehabilitation
12. David, Honglei Liu (China)	Managing Orbital Vascular Malformation
13. Regine Chan (Hong Kong)	Personalising Orbital Decompression
14. Pimkwanj Jaru-ampornpan (Thailand)	Staged Vs Combining Surgeries for Paralytic Lagophthalmos
15. Darmayanti Siswoyo (Indonesia)	Small Incision, Anterior and Posterior Levator Surgeries For Ptosis Correction
16.	Q&A
Symposium 5 (Chairs: Reynaldo Javate, Kyung In Woo, Damrong Wiwatwongwana)	
How I Manage Patients with Tearing (Presentation Duration: 10 min/talk + 20 min Q&A)	
Schedule: Lotus Room, 9:00-10:30, March 9	
1. Suk Woo Yang (South Korea)	Anatomy and Physiology of the Lacrimal System
2. Reynaldo Javate (Philippines)	Lacrimal Stents and Intubation Systems
3. Damrong Wiwatwongwana (Thailand)	Non-Endoscopic Endonasal DCR in My Practice
4. Hunter Yuen (Hong Kong)	Management of Acute Dacryocystitis
5. Nikolay Krahovetskiy (Russia)	Endonasal DCR Using Radiosurgery
6. Ashok Grover (India)	Management of Proximal Lacrimal Obstructions
7. Sombat Tanaboonyawat (Thailand)	How to Maximize Result External DCR
8.	Q&A

Symposium 6 (Chairs: Xianqun Fan, Chai Teck Choo, Orapan Aryasit) Controversies in Orbital Trauma (Presentation Duration: 7+3 /talk)	
Schedule: Lotus Room, 9:00-10:30, March 8	
1. Aree Nimitwongsakul (Thailand)	Orbital Fracture: Not Everyone Takes the Same Path
2. Orapan Aryasit (Thailand)	Primary Enucleation in Severe Traumatized Eye
3. Kasturi Bhattacharjee (India)	Transcaruncular Orbital Optic Canal Decompression in Traumatic Optic Neuropathy
4. Ho-seok Sa (South Korea)	3D printing-assisted reconstruction of orbital blowout fractures – Isn't it expensive?
5. Gangahara Sundar (Singapore)	Implants for Orbital Reconstruction – Is There an Ideal Choice?
6. Chai Teck Choo (Singapore)	Orbital Foreign Body
7. Kelvin Chong (Hong Kong)	Transantral Endoscopy and 3D-Printing as Operative Adjuncts in Large Orbital Blow-Out Fractures
8. Xianqun Fan (China)	Next Generation Approach to Orbital Fracture
Symposium 7 (Chairs: Sundaram Natarajan, Hua Yan, Rajvardhan AzaD) APOTS Trauma Course: Concepts in Ophthalmic Trauma & Intraocular Complications Mode (Presentation Duration: 8 min/talk, 10 min Panel Discussion)	
Schedule: Meeting Room 2, 09:00 – 10:30, March 9	
1. Annette Hoskin Sunil Moreker	Moderator
2. Mehbub Al Kadir (Bangladesh)	Global Assessment of the Ophthalmic Trauma Pt (Incl OTS, POTS & More)
3. Yunia Irawati (Indonesia)	Sutures & Needles in Ocular and Adnexal Trauma (Incl Dos & Don'ts)
4. Eli Pradhan (Nepal)	Diagnostic Investigations in The Trauma Pt: Ultrasound, UBM, OCT, CT & MRI (When to Do What & How to Interpret?)
5. Hua Yan (China)	The Good, Bad & Ugly (Examples of Ideal, Suboptimal and Poor Outcomes)
6. Ashok Grover (India)	Life Lessons Learnt in The Management of Ophthalmic Trauma and Need for Asia-Pacific Collaboration in Ophthalmic Trauma
7. Kendrick Shih (Hong Kong)	Managing Tissue Loss in Trauma: Corneal and Scleral Patch Graft
8. Chetan Rao (India)	How to Decide: Infection Vs Inflammation After Trauma
9. Lingam Vijaya (India)	Managing Traumatic Cyclodialysis
10. Hussain Khaqan (Pakistan)	Nuances of Managing Vegetative Intraocular Foreign Body
11. Tengku Ain Kamalden (Malaysia)	Managing Suprachoroidal Hem in Trauma
12. Lingam Gopal (Singapore) Mohan Rajan Moneesh Saxena (India) Maneesh Bapayee (India) Manoj Khatri (India)	Panel Discussion

Pediatric Ophthalmology & Strabismus

Symposium 1 (chairs: An-Guor Wang, Celia Chen, Apatsa Lekskul

Dangerous Diplopia in Children (Presentation duration: 10 min/talk)

Schedule: Meeting Room 2, 11:00-12:30, March 6

1. Jeong-Min Hwang (Korea)	How do We Approach Horizontal Diplopia?
2. Hui-Chen Cheng (Chinese Taipei)	How do We Approach Vertical Diplopia?
3. Celia Chen (Australia)	Differentiating Infantile Onset Strabismus from Cranial Neuropathies
4. An-Guor Wang (Chinese Taipei)	Supranuclear and Nuclear Lesions
5. Sharon Tow (Singapore)	Cavernous Sinus Lesions
6. Neil Miller (US)	Isolated Cranial Nerve Paresis in Children
7. Atchareeya Wiwatwongwana (Thailand)	Orbital Lesion and Myopathies
8. Rashmin Gandhi (India)	Childhood Myasthenia

Symposium 2 (chairs: Miho Sato, Justin Mora, Sorot Wutthiphan

APSPS Symposium: Challenging Cases in Pediatric and Strabismus (Presentation duration: 8 min/talk)

Schedule: Meeting Room 2, 9:00-10:30, March 6

1. Nikos Kozeis (Greece)	NiKo Eye Test: A New Test to Visually Assess Children with Neurodevelopmental Disorders
2. Giovanni Battista Marcon (Italy)	Anti-elevation Syndrome
3. Chong Bin Tsai (Chinese Taipei)	A Lady with Intractable Diplopia after Strabismus Surgery
4. Miho Sato (Japan)	Orbital Floor Fracture with Congenital SOP
5.	Q&A
6. Justin Mora (New Zealand)	Which Pediatric Glaucoma Surgery in an Only Eye?
7. Takashi Negishi (Japan)	Congenital Idiopathic Enlargement of an Extraocular Muscle
8. Narisa Rattanalert (Thailand)	Sagging Eye Syndrome
9. Huban Attila (Turkey)	Strabismus in Orbital Myositis
10.	Q&A

Symposium 3 (chairs: R.V. Paul Chan, Wei-Chi Wu, Supaporn Tengtrisorn

Pediatric Retinal Diseases

(Presentation type:)

Schedule: Meeting Room 2, 14:30-16:00, March 8

1. Liang Jianhong (China)	Cases that are Easily Confused with Retinoblastoma
2. Wai-Ching Lam (Hong Kong)	Torpedo Maculopathy
3. Shunji Kusaka (Japan)	Vitreotomy for Congenital X-linked Retinoschisis
4. Sumita Agarkar (India)	ROP: Challenges Beyond Vascularization
5. Atchara AMPHONPHRUET (Thailand)	Delay Fibrovascular Contraction after Anti VEGF Injection for ROP

6. Wei-Chi Wu (Chinese Taipei)	The Epidemiology of ROP and ROP Requiring Treatment in Taiwan
7. Shuan Dai (New Zealand)	Strategies for Prevention of ROP Related Visual Loss in Developing & Developed Countries
8. Daniel Ting (Singapore)	The Application of Artificial Intelligence for ROP Screening
9. R.V. Paul Chan (US)	Training for ROP and Implementation of a ROP Telemedicine Program
10. Phanthipha Wongwai (Thailand)	Outcome of Telemedicine in ROP Network, 5 Years- Result
Symposium 4 (Chairs: John Grigg, Govindasamy Kumaramanickavel, Pittaya Phamonvaechavan Genetics (Presentation duration: 11+4 min/talk)	
Schedule: Meeting Room 2, 16:30-18:00, March 8	
1. La-onsri ATCHENEYASAKUL (Thailand)	Gene Mutations in Thai RP Patients
2. Luis Ospina (Canada)	Joubert Syndrome
3. Arcot Sadagopan KARTHIKEYAN	Albinism and Its Allied Disorders: Genetics, Clinical Features and Management
4. Chan Choi Mun (Singapore)	Genomic Testing in Stargardt Disease: The Singapore National Eye Centre Experience
5. John Grigg (Australia)	Anterior Segment Dysgenesis in the Genomic Era
6. Robyn Jamieson (Australia)	Retinal Dystrophies in the Era of Genetic Therapies

Symposium 5 (Chair: Ken Nischal, Craig Donaldson, Nutsuchar Wangtiraumnuay) What's New in Pediatric Ophthalmology and Strabismus (Presentation type:)	
Schedule: Meeting Room 2, 9:00-10:30, March 9	
1. Prem Subramanian (US)	Optic Neuritis in Children
2. Ken K Nischal (US)	Integrated Intraoperative OCT for Pediatric Ocular Surgery
3. Craig Donaldson (Australia)	In 2019 What are the Newest Techniques for III'd N Palsy, Duane Syndrome I or Sixth Nerve Palsy
4. Andrzej GRZYBOWSKI (Poland)	Myopia Control Update
5. William Astle (Canada)	Refractive Surgery for Children
6. Warachaya Phanphruk (Thailand)	Use of a Mobile Application for Home Strabismus Screening and Tele-Ophthalmology
7. Lionel Kowal (Australia)	Assessing Abnormal Head Posture: A New Paradigm
8.	
Symposium 6 (Chairs: Faruk Orge, Sonal Farzavandi, Prapatsorn Patikulasila) Orbit Related Strabismus — Myths and Facts (Presentation duration: 10 min/talk + 20 min Panel Discussion)	
Schedule: Meeting Room 2, 11:00-12:30, March 8	
1. Srini Iyengar (US)	Update on Implant Selection for Orbital Floor Fracture Repair
2. Faruk Orge (US)	Tackling Strabismus after Orbital floor fractures
3. Peter Dolman (Canada)	Characteristics of Orbital Tumors Leading to Strabismus
4. Jan de Faber (Netherlands)	Strabismus with and without known Tumor in the Orbit

5. Seah Lay Leng (Singapore)	Cicatricial Thyroid Eye Disease
6. Sonal Farzavandi (US)	Strabismus in Thyroid Eye Disease: What's New?
7. Sonal Farzavandi (Singapore)	Challenging Cases
8.	Panel Discussion
Symposium 7 (Chairs: Frank Martin, Pei-Chang Wu, Pornchai Simaraj) APMS Symposium: Prevention of Myopia Progression (Presentation duration: 10 min/talk + 20 min Award Lecture)	
Schedule: Meeting Room 2, 9:00-10:30, March 7	
1. Saw Seang Mei (Singapore)	Epidemiology & Socioeconomic Implication of Myopia
2. Kathryn Rose (Australia)	Behavioral Changes that Help Prevention of Myopia
3. Xiao Yang (China)	OK Lenses in Preventing Myopia Progression
4. Pei-Chang Wu (Chinese Taipei)	The Role of High and Low Dose of Atropine in Preventing Myopia Progression
5. Chi-Ho To (Hong Kong)	Defocused Glasses in Preventing Myopia Progression
6. Yue Qi (China)	Posterior Scleral Reinforcement to Prevent Progression of High Myopia
7.	
8. Jason Yam (Hong Kong)	Nakajima Award Lecture: Combating Myopia – From Epidemiology to Clinical Interventions
Symposium 8 (Chairs: Shuan Dai, Ramesh Kekunnaya, Penny Singha) Management of Diplopia and Nystagmus Made Easy (Presentation Duration: 10 min/talk + 20 min Q&A)	
Schedule: Meeting Room 2, 9:00-10:30, March 8	
1. Wei Zhang (China)	Approach to Torsional Diplopia in Patients with Superior Oblique Palsy
2. B Venkateshwar Rao (India)	Management of Diplopia in Patients with Thyroid Eye Disease
3. Naz Raoof (UK)	Sudden Onset of Painful Diplopia
4. Shuan Dai (New Zealand)	Clinical Approach to Childhood Nystagmus Diagnosis
5. LeJin Wang (China)	Extraocular Muscle Stimulator Application in Nystagmus Treatment
6. Lionel Kowal (Australia)	Strabismus Surgery for Nystagmus
7. Ramesh Kekunnaya (India)	Interesting Strabismus Case
8.	Q&A

Symposium 9 (Chairs: Chanet Suvarnamani, Giovanni B Marcon, Faruk H Orge)

SOE Symposium: Where East Meets West

(Presentation duration: 8 min/talk + 16 min Panel Discussion)

Schedule: Meeting Room 2, 14:30-16:00, March 7

1. Sule Ziylan (Turkey)	ROP in Turkey
2. Francisco Reich dAlmeida (Portugal)	How Small Are Small Astigmatisms
3. Faruk Orge (US)	Strabismus and Retinoscopy Simulators
4. Saurabh Jain (UK)	Infantile Esotropia in the United Kingdom
5. Mustafa Kemal Ibrahim (Egypt)	Update on Management of Duane Syndrome
6. Juthathip Hirirotappa (Thailand)	Management of Congenital Fibrosis Syndrome
7. Victoria Balasanyan (Russia)	Minimally Invasive Strabismus Surgery Using High Frequency Radiowave Technique And 7-0 Vicryl Sutures
8. Amila del Alwis (Sri Lanka)	Varied Approaches to Strabismus Surgery: Colombo Vs Toronto
9.	Panel Discussion

Symposium 10 (Chairs: Jan De-Faber, Daniela Cioplean, Sirinya Suwannaraj)

SOE Symposium: Where West Meets East

(Presentation duration: 8 min/talk + 16 min Panel Discussion)

Schedule: Meeting Room 2, 16:30-18:00, March 7

1. Wadakarn Wuthisiri (Thailand)	Management of Congenital Ptosis with Poor Levator Function
2. Isabel Reich dAlmeida (Portugal)	Don'ts (and Do's) in Orthoptic Management: a 21 st -century Update
3. Daniela Cioplean (Romania)	Multifocal or Bifocal Glasses in Esotropic Children with High Accommodative AC/A Ratio?
4. Igor Aznauryan (Russia)	Results of Esotropia Surgery in Children Operated with Mathematical Computer Program "Strabo"
5. Joanne Hancox (UK)	Myopic Esotropia — One Size Fits All?
6. Birsen Gokyigit (Turkey)	Large Inferior Rectus Recession Without Lower Lid Retraction
7. Alain Spielmann (France)	Amazing Cases from a Collection of 20,000 Videotapes
8. Birsen Gokyigit (Turkey)	Surgical Treatment of Complete CN 3 rd Palsy and Their Long-Term Results
9.	Panel Discussion

Prevention of Blindness

Symposium 1 (chairs: Ningli Wang, Ava Hossain, Anukul Thaitanundr)

Prevention of Blindness in the Asia Pacific Region

(Presentation duration: 10 min/talk + 20 min Panel Discussion)

Schedule: Boardroom 4, 16:30-18:00, March 7

1. Taraprasad Das (India)	Eye Care Service Delivery in Southeast Asia
2. Jerry Vincent (Thailand)	Responding to the Blindness and Vision Impairment needs of the Rohingya Refugees and the affected Host Population
3. Yoshimune Hiratsuka (Japan)	Extension of Healthy Life Expectancy through the Measures Against Visual Impairment
4. Hugh Taylor (Australia)	Achievement of Global Action Plan Initiative for Prevention of Blindness in Asia Pacific Region
5. Ava Hossain (Bangladesh)	Reaching the Underserved and Underprivileged Population through Community Mobilization for Eye Care in Bangladesh
6. Nathan Congdon ()	Human Resource Development to Screen and Manage DR at All Levels of Healthcare Delivery
7. Rajvardhan Azad (India)	Establishing Guidelines for Screening and Treating ROP to Reduce Childhood Blindness in Developing Countries Of Asia Pacific Region
8.	Panel Discussion

Symposium 2 (chairs: Ivo Kocur, Prut Hanutsaha)

Prevention of Blindness at the Policy Level

(Presentation type:)

Schedule: Boardroom 4, 11:00-12:30, March 6

1. Ivo Kocur (Switzerland)	WHO and Cooperation among Member Countries
2. Ningli Wang (China)	National Myopia Control Plan in China
3. Prut Hanutsaha (Thailand)	Universal Coverage Scheme and National Drug List, Thailand Experience
4. Koichi Ono (Japan)	Inequality in Eye Care
5. Chimgee Chuluunkhuu (Mongolia)	Mongolia's Progress in Eye Care
6. Luisa Cikamatana Rauto (Fiji)	Fiji-Setting and Implementing National Priorities for Eye Care
7. Sanduk Ruit (Nepal)	Nepal Eye Program and the Apex Body for Eye Health

Symposium 3 (chairs: Nathan Congdon, Ving, Fai Chan, Kitikul Leelawongs Cutting Edge Approaches to the Leading Eye Health Problems in the Asia Pacific (Presentation duration: 10 min/talk + 30 min Panel Discussion)	
Schedule: Boardroom 4, 14:30-16:00, March 8	
1. Ving Fai Chan	Impact of Correcting Presbyopia in the Adult Population: Learning and the Way Forward
2. Yuanbo Liang (China)	Glaucoma Screening in Low and Middle Income Countries: Is It Cost-Effective?
3. Rajiv Raman (India)	DR, AI, and Their Implications for Low-Resource Screening
4. Nathan Congdon	New BOOST App and Opportunities to Capture Cataract Surgical Outcomes Where Follow-up is Poor
5. Sam Brundrett	Advocacy and Cooperation with Industry
6. Ailian Hu (China)	Association between Diabetic Retinopathy and Diabetic Nephropathy
7.	Panel Discussion
Symposium 4 (chairs: Ava Hossain, Warapat Wongsawad, Ningli Wang) Epidemiology in Prevention of Blindness (Presentation type:)	
Schedule: Boardroom 4, 9:00-10:30, March 9	
1. Kelvin Teo	Real World Management & Outcome for PCV, Fight Retinal Blindness Cohort
2. Ningli Wang (China)	CSC and CSR in China
3. Chaiwat Teekhasaene (Thailand)	A Nationwide Survey of Pseudoexfoliation and True Exfoliation Syndromes in Thailand
4. Ecosse LAMOUREUX (Australia)	Diabetic Retinopathy
5. Seang Mei Saw (Singapore)	Myopia
6. Mingguang He (China)	High-Quality Research — Data Analysis and Publication
7. Jialiang Zhao (China)	Prevalence of Visual Impairment in Older Adults in Rural China in 2014 and Comprison with 2006 China Nine-Province Survey
Symposium 5 (chairs: William Astle, Prashant Garg, Tharikarn Sujirakul) Expanding Human Resources to Prevent Blindness (Presentation type:)	
Schedule: Boardroom 3, 14:30-16:00, March 7	
1. Ivo Kocur (Switzerland)	WHO's Workforce: Strategic Plan and the Definition of Allied Ophthalmic Personnel (AOP)
2. William Astle (Canada)	Workforce Resources: Current and Future Trends Facing Us
3. Prashant Garg (India)	A Global Model for Training and Assessing your Eye Care Team
4. TBC	Case Studies and Demonstration of a Training and Assessment Model: Viet Nam
5. JB Thiyagarajan (Singapore)	Case Studies and Demonstration of a Training and Assessment Model: SNEC
6. Pawan Baral (Fiji)	Case Studies and Demonstration of a Training and Assessment Model: Pacific Islands
7. Karl Golnik (US)	Establishing Standards, Curriculum, and Capacity Building for Human Resources

Refractive Surgery

Symposium 1 (chairs: Sri Ganesh, Kishore Pradhan, Ektett Chansue)

SMILE

(Presentation duration: 12 min/talk +6 min/ Q&A)

Schedule: Meeting Room 1, 11:00-12:30, March 6

1. Sri GANESH (India)	Comparison of Visual Outcomes of Dissection VS No Dissection Technique in SMILE
2. Tommy Chan (Hong Kong)	Astigmatic Correction Using SMILE
3. Sheetal Brar (India)	Gas Bubble Sign – A New Intraoperative Sign to Predict Optical Quality of Vision After SMILE
4. Kishore Pradhan (Nepal)	SMILE for Hyperopic Treatment
5. Ektett CHANSUE (Thailand)	SMILE Enhancement
6. Gaurav Luthra	Is There Still Room for LASIK/PRK after SMILE?
7. Jodhbir Mehta (Singapore)	Management of SMILE Complications
8.	Questions and Answer

Symposium 2 (chairs: Dimitri Azar, Jerry Tan, Varintorn CHUCKPAIWONG)

LASIK and Surface Refractive Treatment

(Presentation duration: 8 min/talk + 13 min /Q&A)

Schedule: Meeting Room 1, 14:30-16:00, March 7

1. Dimitri Azar (US)	Wound Healing in Laser Visual Correction
2. Olan SUWAN-APICHON (Thailand)	Refine the Techniques for PRK
3. Jerry Tan (Singapore)	Transepithelial PRK
4. Vishal Jhanji (US)	PRK for High Myopia
5.	Q&A
6. Hungwon Tchah (South Korea)	Wavefront-guided LASIK
7. Varintorn CHUCKPAIWONG (Thailand)	Laser Visual Correction for Astigmatism
8. Jorge Alio del Barrio	LASIK Retreatment after 10 Years: What to Do?
9. Chou-Ki Joo (Korea)	MMC Adjunctive Treatment in Surface Ablation
10.	Q&A

Symposium 3 (chairs: Ron Krueger, Ioannis Pallikaris, Wiwan Sansanayudh) Corneal & Intraocular Implants for Refractive Corrections (ICRs, Phakic IOL, etc) (Presentation duration: 10 min/talk + 10 min panel discussion)	
Schedule: Meeting Room 1, 14:30-16:00, March 8	
1. Pichit Naripthaphan (Thailand)	ICL: Does Size Matter?
2. Ioannis Pallikaris (Greece)	Cornea Inlays
3. Sri Ganesh	Long Term Results of Tissue Addition Technique for Hyperopia
4. Ronald Krueger	Lamellar Intrastromal Keratoplasty For High Hyperopia
5. Leonardo Torquetti	The New Ferrara HM: A Refractive Alternative for High Myopes Patients with Thin Corneas
6. Kimiya Shimizu (Japan)	ICL: History, Development, Advantages, Indications
7. Gaurav Luthra	Managing ICL Complications
8. Ramamurthy Dandapani	Phakic IOLs In Complex Situations
9.	Panel Discussion
Symposium 4 (Chairs: Klaus Ditzen, Robert Ang, Olan SUWAN-APICHON) Presbyopic Treatment (Presentation type:)	
Schedule: Meeting Room 1, 9:00-10:30, March 8	
1. Sunil Shah	Biomechanical Changes and Improved Visual Performance after a New Presbyopia Therapy: Laser Scleral Microporation
2. Jodhbir Metha (Singapore)	Dynamic Accommodative Changes in Macaque Primate Eyes Following Laser Scleral Microporation Assessed with Ray-Tracing Aberrometry
3. Ann Marie Hipsley (US)	Simulation of Restored Accommodation after Scleral Therapies Using Finite Element Analysis
4. Robert Ang (Philippines)	Presbylasik and Corneal Inlays: Pros and Cons
5. Klaus Ditzen (Germany)	Laser Blended Vision for Presbyopic Treatment
6. Sri Ganesh	Presbyond & SMILE Procedures for Correction of Presbyopia
7. John Chang (Hong Kong)	Tifocals IOL Versus EDOF
8. Dimitri Azar (USA)	Smart Electronic Lens for Presbyopia
Symposium 5 (chairs: Jorge Alio del Barrio, Leonardo Torquetti, Vannarut Satitpittikul) Keratoconus and Refractive Management (Basic Science, Diagnosis, ICRs, Others) (Presentation type:)	
Schedule: Meeting Room 1, 16:30-18:00, March 8	
1. Rohit Shetty (India)	Basic Science of Keratoconus
2. Leonardo TORQUETTI (Brazil)	320-ICRS: Changing Paradigms in Keratoconus
3. Darby Miller (US)	Diagnosis and Treatment Modalities of Keratoconus
4. Ruben Lim (Philippines)	Long-Term Effect on Corneal Curvature of Corneal Collagen Crosslinking for Keratoconus
5. Anand Parthasarathy (India)	Enhancing Vision with Combination Treatments in Keratoconus
6. Sheetal Brar (India)	Keratoconus Treatment by Tissue Addition and Cross-Linking
7. Jorge Alio del Barrio	Cell Therapy of Keratoconus
8. Vannarut Satitpittikul (Thailand)	Role of Scleral Lens in Keratoconus

Symposium 6 (chairs: Vishal Jhanji, Lim LI, Ngamjit Kasetsuwan)	
Corneal Collagen Cross-Linking (Presentation duration: 10 min/talk)	
Schedule: Meeting Room 1, 11:00-12:30, March 7	
1. Ioannis Pallikaris (Greece)	
2. Ngamjit KASETSUWAN (Thailand)	Update in Corneal Crosslinking: Where Are We Now?
3. Kavita Rao	Choosing Method of Cross Linking, does Accelerated Cross Linking Work?
4. Mahipal Sachdev (India)	Customised CXL for Keratoconus
5. Rohit Shetty (India)	Rituals for Perfect Crosslinking
6. Lim LI (Singapore)	Laser Vision Correction Combined with Cross-Linking
7. Vishal Jhanji (US)	Complications in CXL
8. Anand Parthasarathy (India)	Optimizing Vision after CXL
Symposium 7 (chairs: Ron Krueger, John Chang (MFIOL), Vivat Komolsuradej)	
APAO – ISRS Symposium: Controversies in Refractive Surgery	
(Presentation duration: 8 min/talk, 5 min/ panel discussion)	
Schedule: Meeting Room 1, 16:30-18:00, March 7	
1. SRI Ganesh (SMILE)	SMILE vs LASIK
2. Jerry Tan (LASIK)	
3.	Panel Discussion
4. John Chang (MFIOL)	Multifocal IOL vs Monovision
5. Dimitri Azar	
6.	Panel Discussion
7. Robert Ang (Total WF)	Total WF vs Topoguided
8. Ronald Krueger (Topoguided)	
9.	Panel Discussion
10. George Beiko (Yes)	Clear Lens Extraction or Not
11. Andrzej Grzybowski (No)	
12.	Panel Discussion
Symposium 8 (Chairs: Jodhbir Mehta, Tommy Chan, Tarinee Sa-ngiampornpanit)	
Challenging Cases and Complications: How to Solve Them (Presentation type:)	
Schedule: Meeting Room 1, 9:00-10:30, March 9	
1. Minoru Tomita	LASIK Complications and Management
2. Mohamad Rosman	Managing Intraoperative Femto Flap Complications
3. Sheetal Brar	Management of SMILE Ectasia with Tissue Addition Technique and Pocket C3R
4. Jodhbir Mehta	Haze after Presbyopic in Lay
5. Vilavun Puangsrucharern	Infections After SMILE: What, When and Why?
6. George Beiko	Managing the Dislocated Multifocal/Toric IOL
7. Usanee Reinprayoon	Management of Infection After ICRs Implantation

Symposium 9 (Chairs: Ioannis Pallikaris, John Chang, Vilavun PUANGSRICHARERN)

Tips & Tricks for Successful Refractive Surgeries

(Presentation duration: 10+2 min/talk)

Schedule: Meeting Room 1, 9:00-10:30, March 6

1. Sri Ganesh	Tips & Tricks SMILE
2. Sabong SRIVANNABOON	Tips & Tricks LASIK
3. Kimiya Shimizu	Tips & Tricks Phakic IOL
4. Minoru Tomita	Tips & Tricks Corneal implants
5. Klaus Ditzen	Tips & Tricks for Refractive Presbyopic Treatment
6. Ioannis Pallikaris	Tips & Tricks for Cross-linking
7. Samaresh Srivastava	Tips & Tricks for Refractive Lens Exchange

Symposium 10 (Chairs: Xingtao ZHOU, Jod Mehta, Pornlada Sunlakaviset)

APMS Symposium: SMILE

(Presentation Duration: 12 min/talk)

Schedule: Meeting Room 1, 9:00-10:30, March 7

1. Rupal Shah (India)	History & Results; Indications and Contraindications of SMILE
2. Jodhbir Mehta (Singapore)	Intraoperative Patient Experience and Postoperative Visual Quality After SMILE and LASIK in a Randomized, Paired-Eye, Controlled Study
3. Xingtao Zhou (china)	Techniques, Tips and Pearls, Preventing and Managing Complications of SMILE
4. Ying Li (China)	Prevention and Management of Postoperative Complication of SMILE
5. Jakob Siedlecki (Germany)	Enhancement Options in SMILE Cases with Suboptimal Refractive Outcomes
6. Yang Wang (China)	Future Developments in SMILE (hypermetropia; higher degree of Myopia; new machines)
7. Dennis Lam (Hong Kong)	Training and Transition to SMILE for Experienced LASIK Surgeons

Retina (Medical)

Symposium 1 (chairs: Adrian Koh, Neil Bressler, Maytinee Sirimaharaj)

Updates on AMD & Variants Including PCV

(Presentation Duration: 10 min/talk + 10 min Panel Discussion)

Schedule: Plenary 3, 9:00-10:30, March 7

1. Shih Jen CHEN (Chinese Taipei)	Classification of PCV and Pachychoroid Diseases
2. Seung Young Yu (Korea)	Multimodal Imaging of PCV/AMD
3. Adrian Koh (Singapore)	Combination vs Mono-therapy for PCV
4. Ian Wong (Hong Kong)	Unmet Needs of PCV
5. Neil Bressler (US)	New Therapies and Targets for Wet AMD
6. Kornwipa Hemarat (Thailand)	Randomized Controlled Trial Ziv-Aflibercept vs Bevacizumab for Wet AMD and PCV
7. Rosa Dolz-Marco (Spain)	Acute Exudative Polymorphous Vitelliform Maculopathy Masquerading AMD
8. Maytinee Sirimaharaj (Thailand)	Managing Endophthalmitis and Other Complications of Intravitreal Injections
9.	Q&A

Symposium 2 (chairs: Andrew Chang, Pearse Keane, Roy Chumdermpadetsuk)

Updates on Diabetic Retinopathy

(Presentation type:)

Schedule: Plenary 3, 11:00-12:30, March 6

1. Tien Yin Wong (Singapore)	Jose Rizal Medal Lecture: The War on Diabetic Retinopathy: Where are We?
2. Ryo Kawasaki (Japan)	Epidemiology of Diabetic Retinopathy
3. Pearse Keane (Ireland)	Clinically Applicable Deep Learning for OCT — The Moorfields-Deepmind Collaboration
4. Taraprasad Das (India)	Screening Strategies and AI
5. De-Kuang Hwang (Chinese Taipei)	Practical Points for Treatment of DME
6. Youxin Chen (China)	Conbercept for Management of DME and PDR
7. Andrew Chang (Australia)	Refractory DME to Anti-VEGF
8. RD Ravindran (India)	Cataract Surgery in Diabetic Patients: Pre-operational, Intra-operation, and Post-Operational Care

Symposium 3 (chairs: Taraprasad Das, Marten Brelen, Mansing Ratanasukon) Retinal and Choroidal Vascular Disorders (Presentation duration: 12 min/talk)	
Schedule: Plenary 3, 14:30-16:00, March 8	
1. Raja Narayanan (India)	Current Management of RVO
2. Ian McAllister (Australia)	Role of Laser Treatment in RVO
3. Won Ki Lee (Korea)	Update in Pachychoroid
4. Xinyuan Zhang (China)	Imaging Characteristics of Pachychoroid Diseases
5. Shu Yen Lee (Singapore)	Role of Anti-VEGF therapy in CSC
6. Pear Pongsachareonnont (Thailand)	Role of Mineralocorticoid Antagonist in CSC
7. Marten Brelen (Hong Kong)	Role of Laser Treatment in CSC
Symposium 4 (Chairs: Srinivas Sadda, Mark Gillies, Yosanan Yospaiboon) Technology and Innovations in Medical Retina (Presentation Duration: 8+2 /talk)	
Schedule: Plenary 3, 16:30-18:00, March 8	
1. Rajiv Raman (India)	Epidemiology and Big Data
2. Mark Gilles (Australia)	Registries: Fight Retinal Blindness
3. Hyung Chan Kim (Korea)	Automated Segmentation of Lesions in Neovascular AMD
4. Graham Holder (Singapore)	Advances in Electrophysiology for Retinal Disorders
5. Srinivas Sadda (US)	Advances in Autofluorescence
6. Yuichiro Ogura (Japan)	Advances in Widefield Imaging
7. Colin Tan (Singapore)	Where are We Going with OCT?
Symposium 5 (chairs: Gregg Kokame, Hiroko Terasaki, Adisak Trinavarat) Mystery Retinal Cases (Presentation type:)	
Schedule: Plenary 3, 11:00-12:30, March 7	
1. William Mieler (US)	Mystery Retinal Case 1
2. Adrian Fung (Australia)	Mystery Retinal Case 2
3. Adrian Koh (Singapore)	Mystery Retinal Case 3
4. Lihteh Wu (Costa Rica)	Mystery Retinal Case 4
5. Anna Tan (Singapore)	Mystery Retinal Case 5
6. Voraporn Chaikitmongkol (Thailand)	Mystery Retinal Case 6
7. Michael Chilov (Australia)	Mystery Retinal Case 7
8. Gregg Kokame (US)	Mystery Retinal Case 8
9. Tomohiro Iida (Japan)	Mystery Retinal Case 9
Symposium 6 (chair: R.V. Paul Chan, Kasuaki Kadonosono, Somanus Thoongsuwan) The Unmet Need in Retinal Diseases (Presentation duration: 10 min/talk)	
Schedule: Plenary 3, 9:00-10:30, March 6	
1. Kasuaki Kadonosono (Japan)	CRAO: Retinal Anterior Embolectomy
2. Yongchai Nilanont (Thailand)	Management of CRAO & CRVO in Neurologist Perspective

3. Chamchan Chanchang (Thailand)	CRAO & BRAO: From Hyperbaric Physician's Point of View
4. Donll Ham (Korea)	Complement and Dry AMD: Where do We Stand with Therapies?
5. Jennifer Kang-Mieler (US)	Extended Drug Delivery Systems for Anti-VEGF Agents
6. Adrian Koh (Singapore)	Reducing Burden of Anti-VEGF Injections: Results from HAWK and HARRIER Trial
7. Elliott Sohn	Progress in Treating Inherited Retinal Diseases Using Gene and Stem Cell Therapy
Symposium 7 (chairs: Dennis Lam, Timothy Lai, Xiaoxin Li) APVRS Symposium: Myopic Maculopathy (Presentation type:)	
Schedule: Plenary 3, 9:00-10:30, March 8	
1. Jost Jonas (Germany)	Epidemiology and Progression of Pathologic Myopia
2. Barbara Parolini (Italy)	Myopic Traction Maculopathy: Staging and Guidelines to Management
3. Xiaoling Liu (China)	Inflammatory Disease Related to Pathological Myopia: Clinical Observation and Thinking
4. Timothy Lai (Hong Kong)	Myopic CNV: Evidence Based Management
5. Hiroko Terasaki (Japan)	Management of Myopic Traction Maculopathy
6. Andrew Chang (Australia)	Complications of Myopic Maculopathy Surgery
Symposium 8 (chairs: Shu-Yen Lee, Kessara Panthanapitoon, Seung-Young Yu) WIO Symposium: Unlocking the Doors to Challenges in Medical Retina & Uveitis — A series of Challenging Cases (Presentation duration: 10+5 min /talk)	
Schedule: Meeting Room 4, 11:00-12:30, March 8	
1. Nuzhat Choudhury (Bangladesh)	Case 1
2. Mirnalini Kumaradas (Sri Lanka)	Case 2
3. Ann-Marie Lobo-Chan (US)	Case 3
4. Fariza Ngah (Malaysia)	Case 4
5. Eli Pradhan (Nepal)	Case 5
6. Shwu-Jiuan Sheu (Chinese Taipei)	Case 6
Symposium 9 (chairs: Graham Holder, Shuichi Yamamoto, Atiporn Thuangtong) ISCEV Instruction Course: Clinical Usefulness of Electrophysiology (Presentation duration: 15+3/min talk, 3 min/case)	
Schedule: Plenary 3, 11:00-12:30, March 8	
1. Bo Lei (China)	Principles of Electrophysiology
2. Tharikarn Sujirakul (Thailand)	Diagnosis for Inherited Retinal Diseases
3. Mineo Kondo (Japan)	Diagnosis for Acquired Retinal Diseases
4. Graham Holder (Singapore)	Diagnosis for Optic Nerve and Other Diseases
5. Bo Lei (China)	Clinical Case 1
6. Tharikarn Sujirakul (Thailand)	Clinical Case 2
7. Mineo Kondo (Japan)	Clinical Case 3
8. Graham Holder (Singapore)	Clinical Case 4

Retina (Surgical)

Symposium 1 (Chairs: Suber Huang, Yusuke Oshima, Nuttawut Rodanant)

Controversies in Surgical Retina

(Presentation type: 8 min presentation + 2 x 6 min Panel Discussion)

Schedule: Meeting Room 4, 11:00-12:30, March 7

1. Wen-Hsiang Lee (US)	Vitreoretinal Surgical Considerations in High Myopia
2. Yasushi Ikuno	Pathogenesis and Current Treatment for Myopic Foveoschisis
3. Tzzy-Chang Ho (Chinese Taipei)	Flap-closure internal limiting membrane technique to rationally approach myopic traction maculopathy/myopic macular hole/macular hole retinal detachment
4. Mahesh Shanmugam	Retinal transplant for macular hole in macular hole Rd.
5. Wu Liu (China)	Internal limiting membrane peeling and air tamponade for stage III and stage IV idiopathic macular hole (large case series)
6.	Panel Discussion
7. San-Ni Chen (Chinese Taipei)	Free Flap in the Management of Rhegmatogenous Retinal Detachment with Posterior Breaks
8. Nikolle Tan (Singapore)	Myopic foveoschisis: a condition we still know little about
9. Joo Yong Lee (Korea)	Surgery for Pediatric retinal detachment
10. Lawrence Lee (Australia)	Pediatric epiretinal membranes with tips and tricks for surgery
11.	Panel Discussion

Symposium 2 (Chairs: Chi-Chun Lai, Matt Ohji, Chairat Saovaprut)

Surgical Retina Video: State-of-the-art Tips and Tricks (Presentation type:)

Schedule: Plenary 3, 16:30-18:00, March 7

1. Yusuke Oshima (Japan)	Micro Incision Vitrectomy in Challenging Cases
2. Wei-Chi Wu (Chinese Taipei)	Surgical Tips in ROP
3. Yuki Morizane (Japan)	Planned Foveal Detachment for Diabetic Macular Edema
4. Yih-Shiou Hwang (Chinese Taipei)	Implant of Artificial Retina: Taiwan CGMH Experience
5. Makoto Inoue (Japan)	Intraoperative OCT
6. Dang Tran Dat (Vietnam)	The Role of Endoscopic Assistant System in Management of Challenging Retinal Detachment Cases
7. Peiquan Zhao (China)	The Optimal Strategy of Internal Limiting Membrane Peeling for Macular Surgeries
8. Hany Hamza (Egypt)	Resection or Reconstruction? Options for Managing Iridociliary and Choroidal Melanoma
9. Danny Cheung (Singapore)	Management of Dislocation of Intraocular Lens Implant into Sub-Retinal Space

Symposium 3 (chairs: Wenbin Wei, Andrew Chang, Yuichiro Ogura) What's New for Macular Surgery (Presentation type:)	
Schedule: Meeting Room 4, 14:30-16:00, March 8	
1. Chung-May Yang (Chinese Taipei)	What's New on Management of Complicated Macular Hole Associated with Retinal Detachment
2. Barbara Parolini (Italy)	What's New on Autologous Retinal Transplantation
3. Hiroko Terasaki (Japan)	What's New on Intra-Operative OCT
4. Marc DeSmet (Netherlands)	What's New on Robotic Macular Surgery
5. Makoto Inoue (Japan)	What's New on Myopic Maculopathy Surgery
6. Peiquan ZHAO (China)	Allogeneic Lens Capsular Flap Transplantation for Refractory Macular Holes
7. Paisan Ruamviboonsuk (Thailand)	What's New on AI for Macular Surgery
8. Nuttawut Rodanant (Thailand)	What's New in 3D Macular Surgery
Symposium 4 (Chairs: William Mieler, Sundaram Natarajan, Nawat Watanachai) Management of Open-Globe Posterior Segment Trauma (Presentation duration: 3 min/introduction/summary, 10+2/talk)	
Schedule: Plenary 3, 14:30-16:00, March 7	
1. William Mieler (US)	Introduction
2. Iwan Sovani (Indonesia)	Posterior Segment Trauma: Terminology and Classification
3. William Mieler (US)	Timing of Vitrectomy in Open-Globe Injuries
4. Edmund Wong (Singapore)	Prophylactic Scleral Buckle: Beneficial, Essential, or Harmful
5. Nawat Watanachai (Thailand)	Tamponade Agents: Factors to Consider in the Choice of Agents
6. Adrian Fung (Australia)	Management of Intraocular Foreign Bodies
7. Sherman Valero (Philippines)	Intravitreal/Systemic Antibiotics: Guidelines to Prevention of Infection, and Treatment of Proven Infection
8. Sundaram Natarajan (India)	PVR: Is there Effective Prophylaxis to Reduce the Risk?
9. William Mieler (US)	Summary
Symposium 5 (Chairs: Nishant Radke, Doric Wong, Warapat Wongsawat) Management of Rhegmatogenous Retinal Detachment and Complex Retinal Surgery (Presentation type:)	
Schedule: Meeting Room 4, 9:00-10:30, March 8	
1. Lee Shu Yen (Singapore)	Prognosticating Macula off RD
2. Mahesh Shanmugam (India)	Scleral Buckle Revisited
3. Nishant Radke (India)	Conquering PVR Step by Step
4. Doric Wong (Singapore)	Combined Buckle Vitrectomy
5. Warapat WONGSAWAD (Thailand)	Step by Step Approach to Giant Retinal Tear RD
6. Michael W. Stewart (US)	Combined Retinal Detachments in PDR
7. Chetan Rao (India)	Managing Complex Retinal Detachments in HIV Patients
8. Rajiv Raman (India)	Comparing Ngenuity and Operating Microscope for Complex Vitreoretinal Surgeries: Initial Experience of 19 VR Surgeons

Symposium 6 (Chairs: Ken Fong, Rajiv Raman, Pakitti Tayaniti)

Management of Anterior Segment Surgery Complications

(Presentation type: 10 mins each, 10 mins discussion at end)

Schedule: Meeting Room 4, 9:00-10:30, March 6

1. Parthoprathim Majmunder (India)	Post Surgical Intraocular Inflammation
2. Hussain Khaqan (Pakistan)	Post Surgical Endophthalmitis
3. Pakitti Tayaniti (Thailand)	Post-Operative Macula Edema
4. Manoharan Shunmugam (Malaysia)	Tips on Handling Cataract Surgery Complications
5. Doric Wong (Singapore)	Choroidal Haemorrhage and Effusion
6. Ari Djatikusumo (Indonesia)	Posterior Capsule Rupture and Dropped Lens
7. Joan Marie Loy (Philippines)	Aphakia and Dislocated IOLs
8. Dipak Nag (Bangladesh)	Combined Phaco and Vitrectomy: Pros and Cons
9.	Panel Discussion

Symposium 7 (Chairs: R.V Paul Chan, Wai Ching Lam, Atchara Ampornprut)

Pediatric Retina Surgery Essentials

(Presentation type:)

Schedule: Meeting Room 2, 11:00-12:30, March 7

1. Wei-chi Wu (Chinese Taipei)	Painful Lessons Learned from the Pediatric Retina Surgery
2. Xiaoyan Ding (China)	FEVR
3. Shunji Kusaka (Japan)	Surgical Treatment of Retinal Detachment Associated with Morning Glory Syndrome
4. Narendran Venkatapathy (India)	Bilateral Sequential Lens Sparing Vitrectomy for Stage 4 Retinopathy of Prematurity
5. Tom Lee	Endoscopy
6. Atchara AMPHORNPRUT (Thailand)	Pediatric Ocular Trauma
7. Wai Ching Lam (Hong Kong)	Management of Juvenile Retinoschisis
8. R.V. Paul Chan (US)	Management of Aggressive Posterior Vitreoretinopathy (APVR) in Neonates

Translational Research in Ophthalmology

Symposium 1 (Chairs: Sophie Deng, Kaevalin Lekhanont, Tsutomu Inatomi)

Corneal Diseases: Looking into the Future

(Presentation duration: 10+5 min/talk)

Schedule: C Ground Meeting Room 2, 14:30-18:00, March 8

1. Sophie Deng (US)	Nerve growth factors in neurotrophic keratitis
2. Wei-li Chen (Chinese Taipei)	Blood Components and Their Potential Role for Corneal Healing
3. Naoki Okumura (Japan)	Application of Rho Kinase Inhibitors for the Treatment of Corneal Endothelial Diseases
4. Koji Nishida (Japan)	iPS cells technology: Promising Treatment for severe ocular surface diseases
5. Jodhbir S. Mehta (Singapore)	Refractive surgery 2030 OR Tissue Engineering
6. Marcus Ang (Singapore)	OCT Angiography for Corneal Diseases

Symposium 2 (Chairs: Kuchtey, Rachel Wang, Chaiwat Teekhasaene, Yutao Liu)

Glaucoma: Looking into the Future

(Presentation Duration: 10 min/talk + 10 min Q&A)

Schedule: Meeting Room 4, 14:30-16:00, March 7

1. Yutao Liu (US)	The Role of Aqueous Mirnas in Exfoliation Glaucoma
2. Clara Cousins (US)	Nailfold Capillary Microscopy: Novel Blood Flow Evaluation in Glaucoma
3. Chaiwat Teekhasaene (Thailand)	Human Lens Capsule in True Exfoliation Syndrome
4. Ursula Schlotzer-Schrehardt (Germany)	The Role of LOXL1 Gene In Exfoliation Syndrome
5. Kuchtey, Rachel Wang (US)	Connective Tissue Disorders in Glaucoma
6. Robert Ritch (US)	Mitoprotective And Anti-Oxidant Treatment in Glaucoma
7. Ting Xie (US)	Bioengineered Human 3D Trabecular Meshwork
8. Leopold Schmetterer (Singapore)	Novel OCT Imaging for Glaucoma
9.	Q&A

Symposium 3 (Chairs: R. Theodore Smith, Tharikarn Sujirakul, Masayo Takahashi)**Retinal Diseases: Looking into the Future**

(Presentation duration: 8+3 min/talk)

Schedule: C Ground Meeting Room 2, 9:00-10:30, March 8

1. R. Theodore Smith (US)	A prototype clinical Hyperspectral AF camera for early detection of drusen and drusen precursors in AMD
2. Masayo Takahashi (Japan)	iPS Stem cell for retina diseases: where are we going next?
3. Tae Yokoi (Japan)	Anti-VEGF Therapy for Myopic CNV
4. Kelvin Teo (Singapore)	The role of Internal Limiting Membrane in Gene Therapy: Results of Studies on Nonhuman Primate
5. Gavin Tan (Singapore)	Lessons in Development of a National DR Screening Program in Singapore
6. Victor Chong	Integrated Smartphone Apps for Monitoring Retinal Diseases
7. Ki Ho Park (Korea)	Continuous 24-hour Monitoring of IOP Fluctuation, Blood Pressure, and Body Position

Symposium 4 (Chairs: Robert Ritch, Victor Chong, Boonsong Wanichwecharungruang)**AI in the future**

(Presentation Duration: 10+2/talk)

Schedule: C Ground Meeting Room 1, 11:00-12:30, March 7

1. Naama Hammel (US)	The Future of Deep Learning in Ophthalmic Imaging
2. Tsoncho (Sean) Ianchulev (US)	The Next Generation of Smart High Precision Micro-Therapeutics
3. Dan Milea (Singapore)	AI for Detection of Brain and Optic Nerve Conditions
4. Ningli Wang (China)	Deep Learning Systems for Detection of Glaucoma Using Optic Disc
5. Michael Girard (Singapore)	Application of AI For Glaucoma Using OCT
6. Neil Bressler (USA)	Comparison of the deep learning systems for detection of age-related macular degeneration
7. Tien Y Wong (Singapore)	AI for Prediction of Cardiovascular Disease using Retinal Imaging

Visual Sciences

Symposium 1 (Chairs: Chi Luu, Xiao Yang, Duangnate Rojanaporn)

Gene Therapy

(Presentation type:)

Schedule: C Ground Meeting Room 2, 9:00-10:30, March 9

1. Mark M. Hassall (Australia)	Gene Therapy for Glaucoma
2. Thomas A. Fuchsluger (Germany)	Gene Therapy to the Corneal Endothelium
3. Livia Carvalho (Australia)	Current Developments in Gene Therapy for Retinal Degeneration
4. Koji M Nishiguchi (Japan)	Retained Plasticity at the Visual Cortex and Recovery of Vision in Blind Adult Mice with Retinal Dystrophy Following Gene Therapy
5. Bin Li (China)	Uveal Melanoma
6. Rick GS Liu (Australia)	Ocular Gene Therapy and Genome Editing

Symposium 2 (Chairs: Kohji Nishida, Michael Ng, Passara Jongkhajornpong)

Translational Research in Ophthalmology: Emerging Therapies

(Presentation duration: 10+2 min/talk)

Schedule: C Ground Meeting Room 1, 9:00-10:30, March 8

1. Masaru Inatani (Japan)	Axonal Transport of Mitochondria
2. Motokazu Tsujikawa (Japan)	HTRA1 Causes Photoreceptor Cell Death, Leading to AMD Phenotype
3. Chunqiao Liu (China)	Genetically Uncover Novel Mechanisms for Ocular Surface and Adnexa Abnormalities Using a Mouse Model with Disruption of Prickle 1
4. Chi Luu (Australia)	Micro-Electrical Stimulation to Slow Retinal/Optic Nerve Degeneration
5. Kevin C.W. Chan (USA)	Neurobehavioral Modulation in Glaucoma
6. Ling Ping Cen (China)	Roles of Inflammation in Neural Repair after Optic Nerve Injury
7. Shibo Tang (China)	Induction of Non-Integrated iPSCs from Urine Cells of Juvenile X-Linked Retinoschisis and RP Patients

Symposium 3 (Chairs: Motokazu Tsujikawa, Carla Mellough, Wichai Prasarttritha)

Stem Cells to Translation

(Presentation type:)

Schedule: C Ground Meeting Room 2, 16:30-18:00, March 8

1. Masayo Takahashi (Japan)	Retinal Cell Therapy Using iPS cells
2. Kohji Nishida (Japan)	iPS Cell-Based Therapy for Corneal Diseases
3. Michael Ng (China)	Application of Mesenchymal Stem Cells for Retinal Diseases
4. Wei Li (China)	Corneal Epithelial Stem Cell Niche: From Basic to Clinic
5. Maciej Daniszewski	Using Induced Pluripotent Stem Cells to Model Primary Open-Angle Glaucoma (POAG)

6. Jiansu Chen (China)	Multilineage Differentiating Stress-Enduring (Muse) Cells and Their Therapeutic Potential for Corneal Scarring Wound in Mouse and Tree Shrew
Symposium 4 (Chairs: Calvin Pang, Livia Carvalho, Tharikarn Sujirakul) Human Retinal Organoids and Disease Modelling (Presentation type:)	
Schedule: C Ground Meeting Room 1, 14:30-16:00, March 8	
1. Rossukon Kaewkhaw (USA/Thailand)	Transcriptome Dynamics and/or Treatment Paradigms for Retinal Disease Using Human Retinal Organoids
2. Zi Bing Jin (China)	RP Patient-derived Retinal Organoids: A Frankenstein's Disease Model
3. Carla Mellough (Australia)	Modelling Human Retinal Development and Disease Using Retinal Organoids
4. Haoyu Chen (China)	Animal Models for Human Retinal Diseases
5. Calvin Pang (Hong Kong)	Alleviation of Pathologic Features in Rodent Models of Eye Diseases
6. Shaoming Peng (China)	Engineered Retinal Tissue Grafts
7. Kenichi Namba (Japan)	Cytopathology of Vitreoretinal Lymphoma
Symposium 5 (Chairs: Takeshi Iwata, Lijia Chen, La-ongsri Atchaneeyasakul) Global Eye Genetics Consortium (GEGC) symposium (Presentation type:)	
Schedule: C Ground Meeting Room 2, 11:00-12:30, March 6	
1. Takeshi Iwata (Japan)	Novel Genes Identified for Inherited Retinal Diseases in Asian Population
2. Ching-Yu Cheng (Singapore)	From Genome-wide Association Studies to Mendelian Randomization: Opportunities for Understanding Ocular Disease Causality
3. Ahmed Reda (Oman)	
4. Zhengqin Yin (China)	Leber's Congenital Amaurosis in China
5. Sundaram Natarajan (India)	
6. Tharikarn Sujirakul (Thailand)	
7. Amir hossein Mahmoudi (Iran)	
8. Gyan Prakash (United States)	Research as a Tool for Serving Community Eye Health Needs and Building International Collaboration
Symposium 6 (Chairs: K G. Kumaramanickavel, Haoyu Chen, Kaevalin Lekhanont) APSEG (Asia Pacific Society of Eye Genetics) symposium: Genetics of Eye Traits and Eye Diseases in Children (Presentation type:)	
Schedule: C Ground Meeting Room 2, 16:30-18:00, March 7	
1. Kathryn Burdon (Australia)	Pathogenic Variants of the Keratoconus Genes
2. Li Jia Chen (Hong Kong)	Genetic Investigation of Ocular Quantitative Traits in Chinese Children
3. Paul Baird (Australia)	
4. Kenji Yamashiro (Japan)	Genetic Background of Blindness Secondary to High Myopia/ Genetic Differences between Age-Related Macular Degeneration and Pachychoroid Diseases
5. Janey L. Wiggs (USA)	Genetic Testing for Childhood Glaucoma
6. Sandra E Staffieri (Australia)	"I had Retinoblastoma When I was Young, What are the Risks for My Child?" Retinoblastoma – Screening, Surveillance, and Saving Eyes

7. Chiea Chuen Khor (Singapore)	
Symposium 7 (Chairs: Paul Baird, Wai Kit Chu, Somsiri Sukavatcharin)	
Ocular Immunity and Inflammatory Diseases (Presentation type:)	
Schedule: C Ground Meeting Room 1, 11:00-12:30, March 8	
1. Wei Chi (China)	Neuroinflammation Via HIF-1a-NLRP12/NLRC4 Inflammasome Pathway
2. Wai-Kit Chu (Hong Kong)	Roles of GH-releasing Hormone in Experimental Autoimmune Intraocular Inflammation
3. Noriyasu Hashida (Japan)	Imaging Findings of Spectral-Domain Anterior Segment Optical Coherence Tomography in Uveitic Eyes of Various Etiologies
4. Jun Chen (China)	
5. Ming-Lee Lin (Australia)	Cancer Immunotherapy-related Uveitis
6. Yasuo Yanagi (Singapore)	Role of immune cells in AMD and Role of immune cells
7. Yu Chi Liu (Singapore)	Comparison of changes in aqueous inflammation in low-energy femtosecond laser-assisted cataract surgery versus conventional phacoemulsification
8. Satoru Kase (Japan)	Flow Cytometry of IgG4-Related Ophthalmic Disease
Symposium 8 (Chairs: Chris Hammond, Xiangtian Zhou, Wadakarn Wuthisiri)	
Refractive Errors and Myopia: From Animal Models to Humans (Presentation duration: 10 min/talk + 20 min/ Q&A)	
Schedule: C Ground Meeting Room 2, 9:00-10:30, March 6	
1. Chris Hammond (UK)	Learning Lessons from Large-scale Genetic Studies of Myopia
2. Xiangtian Zhou (China)	Does Near Work Induce Myopia: from Animal Model to Human
3. Jason Yam (Hong Kong)	Parental Myopic Status Associated with Myopia in Children
4. Audrey Chia (Singapore)	Prevention of Myopia
5. David MacKey (Australia)	Biomarkers of Time Outdoors and Myopia
6. Govindasamy Kumaramanickavel (India)	Environmental Effects on Development of Myopia
7. Chi-ho To	Optical Defocus for Controlling Myopia Progression — From Laboratory Research to Clinical Application
8.	Q&A

Miscellaneous

Symposium 1 (Chairs: Richard Abbott, Marie-Jose Tassignon, Clement Tham)

AOI Symposium: New Technology in Ophthalmology: Is it Ready for our Patients? A Perspective from Global Leaders

(Presentation Type: 4 min Intro + 8 min/speaker + 15 min Panel Discussion + 5 min Conclusion)

Schedule: Meeting Room 3, 14:30-16:00, March 8

1. Richard Abbott (US)	Brief introduction of AOI
2. Richard Abbott (US)	How to Incorporate New Technology into one's Practice: Ethical and Medicolegal Considerations
3. Marie-Jose Tassignon (Belgium)	Cataract
4. Frank Martin (Australia)	Pediatrics
5. Martine Jager (Netherlands)	Oncology
6. Shigeru Kinoshita (Japan)	Cornea (Medical)
7. Charles McGhee (New Zealand)	Cornea (Surgical)
8. Clement Tham (Hong Kong)	Glaucoma
9. Xiaoxin Li (China)	Retina (Medical)
10.	Panel Discussion
11. Richard Abbott (US)	Conclusion

Symposium 2 (Chairs: Marcus Ang, Seng-Kheong Fang, Ian Wong)

APAO-AAO-SOE Joint Session: Young Ophthalmologists Forum

(Presentation Duration: 8 min/talk, 10 min/case presentation, 5 min/panel discussion, + 5 min award)

Schedule: C Ground Meeting Room 2, 11:00-12:30, March 8

1. Grace Prakalpakorn (US)	Introduction to YO! An Update on YO Activities in the World and in the Asia-Pacific
2. Diva Kan Misra (India)	How to Set Up Your Own YO Chapter
3. Naris Kitnarong (Thailand)	How to Master YO(ur) Surgical Skills
4. Simon Fung (US)	How do I Produce an Award-Winning Video?
5.	YO Case Presentation 1
6.	YO Case Presentation 2
7.	YO Case Presentation 3
8.	YO Case Presentation 4
9.	YO Case Presentation 5
10.	Panel Discussion (5 min)
11.	Award Presentation (5 min)

Symposium 3 (Chairs: Jan-tjeerd H.n DE FABER

SOE Symposium: A Presidential Gift from the West to the East

1. Jan-tjeerd H.n DE FABER	Firework Related Eye Injuries
2. Jan-tjeerd H.n DE FABER	"Gorilla's Out of the Mist" — Pediatric Ophthalmologist in the Zoo