38th Asia-Pacific Academy of Ophthalmology Congress

APAO

KUALA LUMPUR, MALAYSIA

23-26 FEBRUARY 2023

Reconnect & Collaborate

FINAL PROGRAM

The 38th Asia-Pacific Academy of Ophthalmology Congress
in conjunction with
The 13th Malaysian Society of Ophthalmology Annual Scientific Meeting

APAO 2023 Congress Website
https://2023.apaophth.org/

Host: Asia-Pacific Academy of Ophthalmology

Co-Host: Malaysian Society of Ophthalmology

Co-Sponsor: American Academy of Ophthalmology

Supported By: Malaysia Convention & Exhibition Bureau; Meet in Malaysia, BE Greater, Together.; Malaysia Truly Asia

Official Airline: malaysia airlines

APAO 2023 MOST POPULAR POSTERS

The APAO Congress will present awards to the top 5 most popular posters as chosen by delegates. Use the stickers below to vote for your 5 favorite posters in the poster display area. Here's how!

Instructions

1. Remove a sticker from this sheet.
2. Stick it next to the poster of your choice.
   Take care not to cover the content of the poster.
3. Repeat steps 1 & 2 to use all 5 stickers!

The voting period for all posters at APAO 2023 is shown below. Be sure to use all your stickers before voting ends!

	Date	Time
Voting begins	February 23	09:00
Voting ends	February 25	12:00

APAO 2023 MOST POPULAR E-POSTERS & VIDEOS

The APAO Congress will also present awards to the top 5 e–posters and top 5 videos as chosen by delegates. Here's how to cast your vote!

1. Access the APAO 2023 e-posters at http://e-poster.apaophth.org/ .
2. Browse the submitted e-posters/videos by subspecialty or search for a specific e-poster/video by author name or title.
3. Select the e-poster/video of your choice. Click on the heart (♡) to cast your vote. Change your mind? No worries! Just click the heart (♥) again to withdraw your vote.
4. In order to record your vote, the online voting system will ask you to log in using your last name and registration barcode (printed on the APAO delegate badge).
5. Repeat steps 1-4 to use your remaining 4 votes in each category (e-poster/video).

Remember, the voting period for the APAO 2023 e-posters and videos ends at 12:00 noon on Friday, February 25, 2023. Be sure to vote before the deadline !

38th Asia-Pacific Academy of Ophthalmology Congress
APAO
KUALA LUMPUR, MALAYSIA
23-26 FEBRUARY 2023
Reconnect & Collaborate

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WELCOME MESSAGE

From Congress President

Dear friends and colleagues around the world,

Selamat datang!
It gives me great pleasure to welcome you to the overdue in person APAO 2023 Congress that was postponed due to the COVID-19 pandemic. The local organizing committee has been working hard for the last year to ensure a safe and scientifically engaging congress.

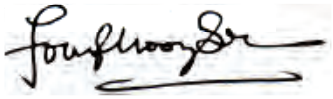
Malaysia last hosted this congress in 2005 and we are pleased to have the opportunity to host all our Asia Pacific and global Ophthalmology colleagues in Kuala Lumpur. I am particularly pleased to welcome Dr Daniel Briceland, President of the American Academy of Ophthalmology (AAO), who are our co-organizers, Prof Neeru Gupta, President of the International Council of Ophthalmology (ICO), and Prof Michael Chiang, Director of the National Eye Institute (NEI), USA, to Malaysia.

I am grateful to the Director General of Ministry of Health, Malaysia, Tan Sri Dr Noor Hisham Abdullah for taking time out from his busy schedule to officiate our Congress. The Ophthalmology community in Malaysia would like to acknowledge his outstanding leadership during the COVID-19 pandemic.

The theme of our Congress this time is “Reconnect and Collaborate” and there are several symposiums dedicated towards improving research, teaching and clinical collaborations in the Asia-Pacific Region and beyond. In addition, we have many instruction courses and wetlabs offering a whole range of teachings for beginner to advanced levels of Ophthalmologists.

I would like to thank our dedicated local committee members for sacrificing their free time to volunteer to lead the various sub-committees. Special thanks must go to our local scientific chairperson, Prof Liza-Sharmini Ahmad Tajudin, for her tireless efforts in assisting our International Advisory Board in putting together a high-quality scientific program, our local event managers and the APAO central secretariat. Finally, a word of thanks to our industry sponsors and exhibitors who have made this Congress financially viable. We truly appreciate the support and hope that our delegates and trade exhibitors would benefit from the interaction and scientific exchanges during this meeting.

I hope that you will also have the opportunity to explore Kuala Lumpur and Malaysia during and after the Congress as well as participate in the various social programs organized. I would like to apologize in advance if there any shortcomings during the Congress and we would welcome any feedback to improve on for future APAO Congresses.



Dr Kenneth Fong
Congress President, APAO 2023
Past President, Malaysian Society of Ophthalmology

WELCOME MESSAGE

From Scientific Program Committee Chair

Dear colleagues and friends,

It is with great honor and pleasure that I welcome you to the 38th Asia-Pacific Academy of Ophthalmology (APAO) Congress in the beautiful city of Kuala Lumpur in Malaysia.

The Scientific Program Committee has developed an outstanding program for the APAO 2023 Congress. The program contains superlative contributions from the leading ophthalmologists around the world who serve as chairs, moderators, speakers, and coordinators.

Our annual scientific congress of ophthalmology is home to ophthalmological professionals and industrial partners, and the place to share expertise and experience. Under the theme of "Reconnect and Collaborate," the APAO 2023 Congress is expected to feature more than 500 internationally renowned speakers presenting the latest discoveries and ideas in 16 ophthalmic subspecialties, including clinical ophthalmology and visual sciences.

The resumption of this face-to-face conference will foster interaction in several innovative ways and encourage dialogue through plenary sessions, free paper presentation, poster sessions, keynote lectures and video sessions.

I would like to thank everyone who has contributed to the excellence of the Scientific Program of the APAO 2023 Congress. I look forward to seeing you throughout the meeting in Kuala Lumpur.

With best regards,

Prof Tin AUNG
Chair
APAO 2023 Scientific Program Committee

WELCOME MESSAGE

From President,
Asia-Pacific Academy of Ophthalmology

Dear Friends and Colleagues,

It is a great pleasure and honor to invite you to the 38th Asia-Pacific Academy of Ophthalmology Congress, which will take place in Kuala Lumpur from February 23 to 26, 2023. While we regret that the COVID pandemic prevented us from holding a physical conference in 2021, we are excited about re-visiting Malaysia and the event would be co-hosted by the Malaysian Society of Ophthalmology.

This is the third time that we have the Congress in Kuala Lumpur. The meetings in 1987 and 2005 have been great successes and each time, Kuala Lumpur managed to amaze us. I believe that Kuala Lumpur holds new surprises for us for the APAO 2023 Congress.

APAO 2023 Congress will be held under the theme of “Reconnect and Collaborate”. Even if we are physically apart, we are still together as a community, connected by a shared passion for phasing out preventable blindness worldwide and for the best outcomes for our patients. I am sure there will be many new and exciting collaborations emerging from this meeting when we reconnect. Delegates from around the world are expected to actively participate and share findings and knowledge as always.

Lastly, I would like to take this opportunity to thank the gallant organizing committee for making APAO 2023 Congress possible and a pleasurable and inspiring experience. I wish you all great enjoyment and a wonderful stay in Malaysia.

Look forward to seeing you soon!

With my best regards,

Ningli Wang

Prof Ningli Wang
President
Asia-Pacific Academy of Ophthalmology

WELCOME MESSAGE

From Secretary-General and CEO, Asia-Pacific Academy of Ophthalmology

Dear Friends and Colleagues,

It is our immense honor and pleasure to welcome you to the 38th Asia-Pacific Academy of Ophthalmology (APAO) Congress in Kuala Lumpur, Malaysia, co-hosted by the Malaysian Society of Ophthalmology and co-sponsored by the American Academy of Ophthalmology (AAO).

The APAO 2023 Congress will be especially meaningful as we revert to a face-to-face conference after three years. I am confident that the meetings and the programs will be the best showcase for the theme of "Reconnect and Collaborate."

On behalf of APAO and our Member Societies, I would like to express our heartfelt thanks to Dr Kenneth Fong, APAO 2023 Congress President, and our colleagues at the Malaysian Society of Ophthalmology, for organizing this distinctive meeting. The Congress is expected to have an attendance of over 5,000 delegates.

I would also like to convey our deepest gratitude to Prof Tin Aung, APAO 2023 Scientific Program Committee (SPC) Chair and the strong SPC with more than 100 members, for their dedication and hard work, without which we would not be able to put together such a remarkable scientific program.

Above all, we are truly grateful to all of you who have chosen to join us in Kuala Lumpur for the APAO 2023 Congress. It is indeed your participation that has made all the preparatory efforts for this Congress worthwhile.

We look forward to welcoming you all to this important and exciting scientific meeting in Kuala Lumpur.

Warmest personal regards,

Prof Clement THAM
Secretary-General and CEO
Asia-Pacific Academy of Ophthalmology

WELCOME MESSAGE

From President,
Malaysian Society of Ophthalmology

After a long hiatus, on behalf of the Malaysian Society of Ophthalmology (MSO), we look forward to warmly welcoming you in-person once again, to the splendid capital of Malaysia, Kuala Lumpur, for the 38th Asia-Pacific Academy of Ophthalmology Congress.

The MSO is constantly finding new ways of promoting continuous medical education and professional development and we are certain this forum will be an invaluable one for us all across the region.

This collaborative effort also allows local and international ophthalmologists to share, update and exchange expertise, further enhancing friendships and networking, hence the apt theme of "Reconnect and Collaborate." With the recent challenges and developments in the field, there will be much to share and discuss. This forum is also an important one to share ideas of how we can best advocate for our patients and improve ocular health in our communities. With so many excellent speakers and representatives from the APAO council, AAO, ICO and NEI, I am certain we will all have a veritable feast of knowledge.

Finally, I would like to thank all speakers and attendees for their involvement without who there will not be a conference and hearty congratulations to the local organizing committee, ably led by Dr Kenneth Fong and Prof Liza-Sharmini Ahmad Tajudin for organizing a fantastic conference as always.

With warmest regards,

Dr Manoharan SHUNMUGAM
President
Malaysian Society of Ophthalmology

WELCOME MESSAGE

From President, College of Ophthalmologists, Academy of Medicine of Malaysia

Dear Colleagues and friends,

With great pleasure, I welcome you to the 38th APAO Congress in Kuala Lumpur.

After two years of being held virtually, this year's congress has been much awaited for us to meet again, reconnect and collaborate to share new insights in ophthalmology.

The annual congress is a fantastic opportunity to interact with leading professionals and experts across the ophthalmology field. The scientific committee has arranged an excellent program with exciting topics and brings in outstanding speakers from all over the globe and locally. I hope that the discussions and presentations taking place over the next few days will lead to greater achievements in the field of ophthalmology in this region.

Kuala Lumpur has so much to offer our foreign delegates – a lively city with cultural diversity and an amazing gastronomic experience. The organizing committee has also displayed great collaboration among all ophthalmology services in this country to ensure you have a wonderful experience of Malaysian hospitality.

I hope you will enjoy this congress and all that Malaysia has to offer.

Warmest regards.

Datuk Dr Nor Fariza NGAH
President
College of Ophthalmologists, Academy of Medicine of Malaysia

WELCOME MESSAGE

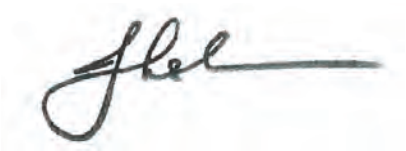
From Director-General, Ministry of Health of Malaysia

I am pleased to welcome all delegates to the 38th Asia Pacific Academy of Ophthalmology (APAO) Congress. Malaysia is honored to host this prestigious event, and the Ministry of Health is confident this will be a stellar international scientific meeting filled with a scientific exchange, reflection on our progress and strategizing for the years ahead. Congratulations to the organizing team for a great job!

Cataracts, glaucoma, macular degeneration and diabetic retinopathy remain the leading causes of blindness worldwide. The Ministry of Health recognized these issues in Malaysia and formulated a long-term plan to eradicate these preventable blindness diseases. Despite the immense challenges posed to our health services during the acute phase of the COVID-19 pandemic from March 2020 to December 2021, the Ministry of Health continued to provide Ophthalmology care with various initiatives, including outsourcing work to our colleagues in the private sector and centralizing Ophthalmology care in specific Ministry of Health hospitals. In addition, the World Health Organization (WHO) has recognized the unique work in Malaysia towards cataract blindness in the form of our active rural mobile cataract surgery service and urban stand-alone cataract surgery centers.

I commend the cooperation between the Malaysian Society of Ophthalmology, College of Ophthalmologists, Academy of Medicine Malaysia and the Malaysian Universities Conjoint Committee of Ophthalmology (MUCCO) in ensuring this Congress is a success. This is an opportune time for delegates to strengthen existing ties and establish new connections. The importance of networking to share ideas and collaborate in research and teaching cannot be overemphasized, and this four-day Congress is an ideal platform for this. The extensive and detailed scientific program planned and the commitment from our international speakers will inspire the delegates and ultimately improves our patients' care. I wish all delegates a successful meeting and a pleasant stay in Malaysia.

With warmest regards,



Tan Sri Dato' Seri Dr Noor Hisham Abdullah
Director-General
Ministry of Health of Malaysia

WELCOME MESSAGE

From President,
American Academy of Ophthalmology

Dear Colleagues and Friends,

On behalf of the American Academy of Ophthalmology, it is with great pleasure and excitement that I cordially welcome you to the APAO 2023 Congress in Kuala Lumpur.

I am very grateful and honored to be a guest and to have the Academy as a co-sponsor of the Congress. The annual Congress is a unique opportunity to interact with the world's leading professionals and experts from across our profession. It is also a time to meet with old friends and share expertise and best practices with colleagues.

Over the next four days, I hope the discussion and presentations will lead to substantial achievements in the field of ophthalmology, both in the Asia-Pacific region and all around the world.

The organizers of the APAO Congress have strived to prepare a wonderful scientific program and an outstanding cultural and social program. I hope that all participants who attend this meeting will be able to absorb an abundance of new knowledge and make use of it in their clinical practice and enjoy a wonderful Congress for international friendship.

With warmest regards,

Dr Daniel BRICELAND
President
American Academy of Ophthalmology

HOST

Asia-Pacific Academy of Ophthalmology (APAO)

The Asia-Pacific Academy of Ophthalmology (APAO) is a supranational organization that welcomes participation from national, territorial, and subspecialty-based ophthalmic societies in the Asia-Pacific region.

Being the major driving force of ophthalmic development in the Asia-Pacific region, the APAO seeks to promote the science and art of ophthalmology in the Asia-Pacific region, eliminate preventable blindness through teaching, research and service, foster cooperation between various ophthalmological societies in different countries, and encourage collaboration with other international and regional ophthalmological organizations.

Accordingly, the APAO organizes an annual congress, co-organizes scientific meetings and conferences, publishes the *Asia-Pacific Journal of Ophthalmology*, recognizes ophthalmologists' achievements in research, education and blindness prevention, runs a leadership development program and an international fellowship program, offers training and learning opportunities to young ophthalmologists, and provides an online platform on which ophthalmologists from different parts of the world can interact and consult with one another.

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LOCAL HOST

Malaysian Society of Ophthalmology (MSO)

The Society was first formed in 1964 by pioneering Malaysian Ophthalmologists, as a society within the Malaysian Medical Association (MMA) designated as the MMA Ophthalmological Society (MMAOS). Over the following 45 years, the society grew in membership and activities under the umbrella of the MMA, promoting and advancing the specialty.

Eventually, the membership of the MMAOS realized that, in order for the Society to fulfill its objectives and to meet new challenges more effectively, it was necessary to spread its wings and exist as an independent society.

With that, the MSO was formed and successfully registered with the Registrar of Societies on April 15, 2008. The MMAOS was dissolved on December 31, 2009.

As our predecessor society had done so well over the years, the MSO will continue to carry the flag for the profession of Ophthalmology in Malaysia, having taken over all the duties and functions of the MMAOS.

CO-SPONSOR

American Academy of Ophthalmology (AAO)

The mission of the American Academy of Ophthalmology is to protect sight and empower lives by serving as an advocate for patients and the public, leading ophthalmic education, and advancing the profession of ophthalmology.

The American Academy of Ophthalmology is the world's largest association of eye physicians and surgeons. A global community of 32,000 medical doctors, we protect sight and empower lives by setting the standards for ophthalmic education and advocating for our patients and the public. We innovate to advance our profession and to ensure the delivery of the highest-quality eye care.

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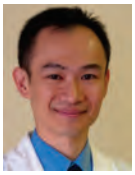
CORNEA, EXTERNAL EYE DISEASES AND EYE BANKING	**Donald TAN** (Singapore)	 **Alvin YOUNG** (Hong Kong, China)	**Rajesh FOGLA** (India)	**Ruben LIM BON SIONG** (Philippines)	**Chandramalar T. SANTHIRATHELAGAN** (Malaysia)	**Vanissa CHOW** (Hong Kong, China)

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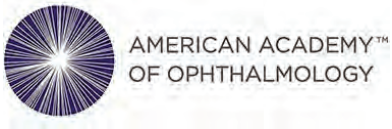

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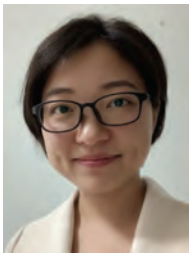

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PROGRAM OVERVIEW

	Feb 22 (Wed) Day 0	Feb 23 (Thu) Day 1	Feb 24 (Fri) Day 2
06:30–07:00	APAO Fundraising Run (Virtual / KLCC Park, All Day)	APAO Fundraising Run (Virtual / KLCC Park, All Day)	APAO Fundraising Run (Virtual / KLCC Park, All Day)
07:00–07:30			
07:30–08:00			
08:00–08:30		Breakfast Symposia (S)* (08:00–08:45)	Breakfast Symposia (S)* (08:00–08:45)
08:30–08:45			
08:45–09:00		Break	Break
09:00–09:30	APAO Standing Committee Meetings (09:00–12:30)	APAO Scientific Sessions (09:00–10:30)	APAO Scientific Sessions (09:00–10:30)
09:30–10:00			
10:00–10:30			
10:30–11:00		Break	Break
11:00–11:30		APAO Plenary Session I (10:40–11:30)	APAO Scientific Sessions (11:00–12:30)
11:30–12:00			
12:00–12:30		APAO Opening Ceremony cum Welcom Reception (11:30–13:00)	
12:30–13:00	APAO Council Luncheon		Break
13:00–13:30		Lunch Symposia (S)* (13:00–14:00)	Lunch Symposia (S)* (13:00–14:00) / APAO WIO Luncheon (12:45 – 14:15)
13:30–14:00	APAO Council Meeting (13:30–16:00)		
14:00–14:30		Break	Break
14:30–15:00		APAO Scientific Sessions (14:30–16:00)	APAO Scientific Sessions (14:30–16:00)
15:00–15:30			
15:30–16:00			
16:00–16:30	Break	Break	Break
16:30–17:00	APAO General Assembly (16:30–17:30)	APAO Scientific Sessions (16:30–18:00)	APAO Plenary Session II (16:30–17:30)
17:00–17:30			
17:30–18:00			
18:00–18:30			
18:30–19:00			Young Ophthalmologists' Night (18:30–20:00)
19:00–19:30		Presidential Dinner (19:00–21:30)	
19:30–20:00			
20:00–20:30			
20:30–21:00			
21:00–21:30			
21:30–22:00			

Registration (Feb 22 Day 0: 13:00–16:30)

Registration / Exhibition (Feb 23 Day 1)

Registration / Exhibition (Feb 24 Day 2)

*Breakfast Symposium: 45 minutes; S=Sponsored Program with no CME points.

Feb 25 (Sat) Day 3				Feb 26 (Sun) Day 4		
Registration	Exhibition	APAO Fundraising Run (Virutal/ KLCC Park Until 12:00)		Registration		06:30–07:00
						07:00–07:30
						07:30–08:00
		Breakfast Symposia (S)* (08:00–08:45)				08:00–08:30
			Wet Lab Course (08:30 – 10:30)		Wet Lab Course (08:30 – 10:30)	08:30–08:45
		Break		Break		08:45–09:00
		APAO Scientific Sessions (09:00–10:30)		APAO Scientific Sessions (09:00–10:30)		09:00–09:30
						09:30–10:00
						10:00–10:30
		Break		Break		10:30–11:00
		APAO Scientific Sessions (11:00–12:30)	Wet Lab Course (11:00 – 30:00)	APAO Scientific Sessions (11:00–12:30)	Wet Lab Course (11:00 – 13:00)	11:00–11:30
						11:30–12:00
						12:00–12:30
		Break				12:30–13:00
		Lunch Symposia (S)* (13:00–14:00) / APAO LDP Alumni Reception (13:00 – 14:00)				13:00–13:30
						13:30–14:00
		Break				14:00–14:30
		APAO Scientific Sessions (14:30–16:00)				14:30–15:00
						15:00–15:30
						15:30–16:00
		Break				16:00–16:30
		APAO Scientific Sessions (16:30–18:00)				16:30–17:00
						17:00–17:30
						17:30–18:00
						18:00–18:30
		APAO Cultural Party and Award Ceremony (18:30–21:30)				18:30–19:00
						19:00–19:30
						19:30–20:00
						20:00–20:30
						20:30–21:00
						21:00–21:30
						21:30–22:00

SCIENTIFIC SESSIONS

CC = Challenging Cases
FP = Free Paper
IC = Instruction Course
PD = Poster Discussion
SYM = Symposium
VS= Video Symposium
WLC = Wet Lab Course
WS = Workshop

DAY 1 – Feb 23, 2023 (Thursday)

Time	Venue	Level	Subspecialty	Type	Theme
09:00 | 10:30	Conference Hall 1	3	Refractive Surgery	SYM	Current Refractive Surgery Procedures: Which is Better, LASIK, Refractive Lenticule Extraction, Surface Ablation or Phakic Lenses?
	Conference Hall 2	3	Retina (Medical)	CC	Mystery Retina
	Conference Hall 3	3	Cornea, External Eye Diseases and Eye Banking	SYM	Updates on Infectious Keratitis
	Meeting Rooms 304-305	3	Ocular Imaging	SYM	What's New in Ocular Imaging?
	Meeting Rooms 401-402	4	Intraocular Inflammation, Uveitis and Scleritis	CC	Challenging Uveitis Case Presentation – Diagnosis and Management
	Meeting Rooms 403-404	4	Ocular Oncology and Pathology	SYM	Retinoblastoma in 2023
	Meeting Rooms 406-407	4	Evolving Academia, Research, Teaching and Education in Ophthalmology	SYM	Surgical Training Essentials
	Plenary Hall	1	Glaucoma and Glaucoma Surgery	SYM	APAO-AAO Joint Symposium: Glaucoma
	Plenary Theatre	3	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology	SYM	Artificial Intelligence and Big Data Analytics in Ophthalmology for Global Eye Health: Opportunities and Challenges
	Meeting Room 405	4	Retina (Surgical)	IC	Management of Retinal Detachment Complicated by Corneal Opacity
	Meeting Room 409	4	Pediatric Ophthalmology and Strabismus	FP	Rapid Fire Pediatric Ophthalmology and Strabismus Update Session (1)
	Meeting Room 410	4	Pediatric Ophthalmology and Strabismus	IC	Managing Strabismus: Basics to Complex Cases

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DAY 1 – Feb 23, 2023 (Thursday)

Time	Venue	Level	Subspecialty	Type	Theme
09:00 | 10:30	Meeting Rooms 302-303	3	Cataract and Cataract Surgery	IC	Optimizing Outcomes in Challenging Situations in Phacoemulsification
10:40 | 11:30	Plenary Hall	1	Miscellaneous	SYM	Plenary Session I: 2023 APAO Named Awards Lectures
14:30 | 16:00	Conference Hall 1	3	Cornea, External Eye Diseases and Eye Banking	SYM	Asian Eye Banking - Experiences and Challenges
	Conference Hall 2	3	Glaucoma and Glaucoma Surgery	SYM	Internal Drainage Surgery for Glaucoma
	Conference Hall 3	3	Retina (Surgical)	SYM	Latest Advances in Surgical Retina
	Meeting Rooms 304-305	3	Ocular Imaging	SYM	Real-World Applications of Posterior Segment Imaging
	Meeting Rooms 401-402	4	Intraocular Inflammation, Uveitis and Scleritis	SYM	Infectious Uveitis Prevalent in Asia-Pacific Region
	Meeting Rooms 403-404	4	Ocular Oncology and Pathology	SYM	Uveal Melanoma: Are We There Yet?
	Plenary Hall	1	Cataract and Cataract Surgery	SYM	Presbyopia-Correcting IOLs
	Plenary Theatre	3	Pediatric Ophthalmology and Strabismus	SYM	Challenges and Strategies to Reduce the Burden of ROP Blindness – Asia Pacific Perspective
	Meeting Room 405	4	Evolving Academia, Research, Teaching and Education in Ophthalmology	IC	New Age Innovative Pedagogy for E-Ophthalmology / Come Experience it in 4D with Augmented Reality
	Meeting Room 409	4	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology	FP	Rapid Fire Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology Update Session
	Meeting Room 410	4	Refractive Surgery	IC	SMILE/ Contoura LASIK/ PRK or Phakic Lens? What Should I Offer My Patient?
	Meeting Rooms 302-303	3	Orbital and Oculoplastic Surgery	IC	Current Practice in Congenital Ptosis

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DAY 1 – Feb 23, 2023 (Thursday)

Time	Venue	Level	Subspecialty	Type	Theme
14:30 | 16:00	Meeting Rooms 406-407	4	Orbital and Oculoplastic Surgery	FP	Rapid Fire Orbital and Oculoplastic Surgery Update Session
16:00 | 16:30	Exhibition Hall 6	1	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology	PD	Poster Discussion 1 - Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology & Ocular Imaging
	Exhibition Hall 7	3	Cataract and Cataract Surgery	PD	Poster Discussion 2 - Cataract and Cataract Surgery & Refractive Surgery
16:30 | 18:00	Conference Hall 1	3	Cornea, External Eye Diseases and Eye Banking	SYM	ADES Symposium: Update in Diagnosis and Treatment of Dry Eye
	Conference Hall 2	3	Retina (Medical)	SYM	Hot Topics in Retinal Diseases
	Conference Hall 3	3	Retina (Surgical)	SYM	Management of Anterior Segment Surgical Complications
	Meeting Rooms 302-303	3	Miscellaneous	WS	APAO Leadership Development Program (LDP) 2023-24 Orientation Class 1
	Meeting Rooms 304-305	3	Neuro-Ophthalmology	SYM	New Advances in Neuro-Ophthalmology
	Meeting Rooms 401-402	4	Intraocular Inflammation, Uveitis and Scleritis	SYM	Evolving Treatments of Non-Infectious Uveitis
	Meeting Rooms 403-404	4	Ocular Oncology and Pathology	SYM	Ocular Surface and Orbit
	Meeting Rooms 406-407	4	Ophthalmic Epidemiology and Prevention of Blindness	SYM	Strategic Challenges for Prevention of Blindness: Country Experience
	Plenary Hall	1	Cataract and Cataract Surgery	SYM	Indications and Approaches to Alternative Fixation When an IOL Can't Be Placed in the Bag
	Plenary Theatre	3	Pediatric Ophthalmology and Strabismus	SYM	The Prevention, Management and Burden of Childhood Myopia – Update 2023
	Meeting Room 405	4	Orbital and Oculoplastic Surgery	IC	Congenital Anomalies and Anophthalmic Socket: Management Algorithm

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DAY 1 – Feb 23, 2023 (Thursday)

Time	Venue	Level	Subspecialty	Type	Theme
16:30 | 18:00	Meeting Room 409	4	Refractive Surgery	FP	Rapid Fire Refractive Surgery Update Session
	Meeting Room 410	4	Retina (Medical)	FP	Rapid Fire Retina (Medical) Update Session (1)
18:00 | 18:45	Meeting Rooms 302-303	3	Miscellaneous	SYM	APVRS LDP and AAPPO ADMS: Meeting the Masters Forum

DAY 2 – Feb 24, 2023 (Friday)

Time	Venue	Level	Subspecialty	Type	Theme
09:00 | 10:30	Conference Hall 1	3	Refractive Surgery	SYM	Presbyopia: Can We Solve it?
	Conference Hall 2	3	Retina (Medical)	SYM	Proliferative Diabetic Retinopathy (PDR)
	Conference Hall 3	3	Cornea, External Eye Diseases and Eye Banking	SYM	Corneal Surgery 1 – Anterior Lamellar Keratoplasty
	Meeting Rooms 304-305	3	Pediatric Ophthalmology and Strabismus	SYM	Advances and Future Directions in Diagnosis and Management of Genetic Eye Disease in Children
	Meeting Rooms 307-308	3	Miscellaneous	WS	APAO Leadership Development Program (LDP) 2023-24 Orientation Class 2
	Meeting Rooms 401-402	4	Intraocular Inflammation, Uveitis and Scleritis	SYM	Necrotizing Infectious and Non-Infectious Scleritis and Their Management
	Meeting Rooms 403-404	4	Ocular Oncology and Pathology	SYM	What's New in Ocular Lymphoma?
	Meeting Rooms 406-407	4	Evolving Academia, Research, Teaching and Education in Ophthalmology	SYM	Non-surgical Skills in Ophthalmology: What Are They, How to Teach and Assess?
	Plenary Hall	1	Glaucoma and Glaucoma Surgery	SYM	Hot Topics in Glaucoma

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DAY 2 – Feb 24, 2023 (Friday)

Time	Venue	Level	Subspecialty	Type	Theme
09:00 | 10:30	Plenary Theatre	3	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology	SYM	Improving Artificial Intelligence Trust in Ophthalmology: Imaging Standards, Ethics, Health Economics, and Emerging Domains
	Meeting Room 405	4	Cataract and Cataract Surgery	IC	Intraocular Lens Implantation Options in the Absence of Capsular Support
	Meeting Room 409	4	Retina (Surgical)	FP	Rapid Fire Retina (Surgical) and Retina (Medical) Update Session
	Meeting Room 410	4	Cornea, External Eye Diseases and Eye Banking	FP	Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session (1)
	Meeting Rooms 302-303	3	Orbital and Oculoplastic Surgery	IC	All About the Socket!
10:30 | 11:00	Exhibition Hall 6	1	Evolving Academia, Research, Teaching and Education in Ophthalmology	PD	Poster Discussion 3 - Evolving Academia, Research, Teaching and Education in Ophthalmology & Miscellaneous
11:00 | 12:30	Conference Hall 1	3	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology	SYM	APAO-AAO-NEI Joint Symposium: Strategic Priorities and Opportunities for Collaboration with the Asia-Pacific Community
	Conference Hall 2	3	Glaucoma and Glaucoma Surgery	SYM	APGS Symposium: Primary Angle Closure
	Conference Hall 3	3	Retina (Surgical)	SYM	Diabetic Retinopathy and Retinal Vascular Diseases
	Meeting Rooms 304-305	3	Miscellaneous	VS	Women in Ophthalmology (WIO) Symposium: It Was Alright Until…
	Meeting Rooms 307-308	3	Miscellaneous	WS	APAO Leadership Development Program (LDP) 2023-24 Orientation Class 3
	Meeting Rooms 401-402	4	Translational and Visual Sciences Research	SYM	Corneal Cell Therapy for the Treatment of Corneal Blindness
	Meeting Rooms 403-404	4	Ocular Oncology and Pathology	SYM	Basic Research in Ocular Oncology
	Meeting Rooms 406-407	4	Ophthalmic Epidemiology and Prevention of Blindness	SYM	Global Eye Health and the Sustainable Development Goals

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DAY 2 – Feb 24, 2023 (Friday)

Time	Venue	Level	Subspecialty	Type	Theme
11:00 | 12:30	Plenary Hall	1	Cataract and Cataract Surgery	SYM	Managing Astigmatism
	Plenary Theatre	3	Pediatric Ophthalmology and Strabismus	SYM	APMS Symposium: 2023 Updates on Myopia
	Meeting Room 405	4	Orbital and Oculoplastic Surgery	IC	Eyelid Trauma and Deformities: Tips and Tricks to Manage Difficult Situations
	Meeting Room 409	4	Cataract and Cataract Surgery	FP	Rapid Fire Cataract and Cataract Surgery Update Session
	Meeting Room 410	4	Retina (Medical)	IC	Evidence-Based Management of Postoperative Endophthalmitis
	Meeting Rooms 302-303	3	Cornea, External Eye Diseases and Eye Banking	IC	Comprehensive Guide to Managing Ocular Complications of Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis in Asians
14:30 | 16:00	Conference Hall 1	3	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology	SYM	Artificial Intelligence and Deep Learning in Ocular Imaging for Posterior Segment Imaging
	Conference Hall 2	3	Retina (Medical)	SYM	Diabetic Macular Edema (DME)
	Conference Hall 3	3	Retina (Surgical)	SYM	Retinal Detachment
	Meeting Rooms 304-305	3	Pediatric Ophthalmology and Strabismus	SYM	WSPOS Symposium: Cornea and External Eye Disease
	Meeting Rooms 307-308	3	Miscellaneous	WS	APAO Leadership Development Program (LDP) 2023-24 Orientation Class 4
	Meeting Rooms 401-402	4	Translational and Visual Sciences Research	SYM	APSEG Symposium: Precision Medicine of Eye Diseases
	Meeting Rooms 403-404	4	Orbital and Oculoplastic Surgery	SYM	What's Hot and Helpful in Oculoplastics
	Meeting Rooms 406-407	4	Miscellaneous	SYM	Young Ophthalmologists (YO) Symposium

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DAY 2 – Feb 24, 2023 (Friday)

Time	Venue	Level	Subspecialty	Type	Theme
14:30 | 16:00	Plenary Hall	1	Cataract and Cataract Surgery	SYM	Debate: Controversies in Cataract Surgery
	Plenary Theatre	3	Cornea, External Eye Diseases and Eye Banking	SYM	ACS Symposium: Ocular Surface Disease – Management Strategies
	Meeting Room 405	4	Ocular Imaging	IC	OCT and OCT Angiography in Macular Disorders
	Meeting Room 409	4	Cornea, External Eye Diseases and Eye Banking	FP	Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session (2)
	Meeting Room 410	4	Neuro-Ophthalmology	IC	Diagnosing and Managing the Great Masquerade: Ocular Myasthenia
	Meeting Rooms 302-303	3	Glaucoma and Glaucoma Surgery	FP	Rapid Fire Glaucoma and Glaucoma Surgery Update Session (1)
16:00 | 16:30	Exhibition Hall 6	1	Glaucoma and Glaucoma Surgery	PD	Poster Discussion 4 - Glaucoma and Glaucoma Surgery & Cornea, External Eye Diseases and Eye Banking
	Exhibition Hall 7	3	Intraocular Inflammation, Uveitis and Scleritis	PD	Poster Discussion 5 - Intraocular Inflammation, Uveitis and Scleritis & Ocular Oncology and Pathology
16:30 | 17:30	Plenary Hall	1	Miscellaneous	SYM	Plenary Session II: 2023 APAO and MSO Named Awards Lectures

DAY 3 – Feb 25, 2023 (Saturday)

Time	Venue	Level	Subspecialty	Type	Theme
08:30 | 10:30	Meeting Room 408	4	Retina (Surgical)	WLC	Visualization Systems and Basics of Pars Plana Vitrectomy
09:00 | 10:30	Conference Hall 1	3	Refractive Surgery	SYM	Resolution of Problems in Refractive Surgery: My Most Interesting Case
	Conference Hall 2	3	Retina (Medical)	SYM	Geographic Atrophy and Inherited Retinal Diseases

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DAY 3 – Feb 25, 2023 (Saturday)

Time	Venue	Level	Subspecialty	Type	Theme
09:00 | 10:30	Conference Hall 3	3	Cornea, External Eye Diseases and Eye Banking	SYM	Endothelial Keratoplasty
	Meeting Rooms 302-303	3	Miscellaneous	SYM	APAO Leadership Development Program (LDP) 2020-21 Graduating Class 1
	Meeting Rooms 304-305	3	Pediatric Ophthalmology and Strabismus	CC	IPOSC Symposium: Pediatric Ophthalmology and Strabismus Potpourri
	Meeting Rooms 401-402	4	Ocular Imaging	SYM	APOIS Symposium: Ocular Imaging Updates for the Non-Specialist Ophthalmologists
	Meeting Rooms 403-404	4	Miscellaneous	SYM	APOTS Symposium: Challenges and Solutions in Ophthalmic Trauma
	Plenary Hall	1	Cataract and Cataract Surgery	SYM	Managing the Little Things That Mess Up Otherwise Perfect Surgery
	Plenary Theatre	3	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology	SYM	Telemedicine and Digital Ophthalmology During COVID-19 Pandemic Crisis
	Meeting Room 405	4	Ocular Imaging	IC	Retinal OCT Made Easy
	Meeting Room 409	4	Glaucoma and Glaucoma Surgery	FP	Rapid Fire Glaucoma and Glaucoma Surgery Update Session (2)
	Meeting Room 410	4	Intraocular Inflammation, Uveitis and Scleritis	IC	Endophthalmitis - Prophylaxis and Management
	Meeting Rooms 307-308	3	Ophthalmic Epidemiology and Prevention of Blindness	FP	Rapid Fire Ophthalmic Epidemiology and Prevention of Blindness Update Session
	Meeting Rooms 406-407	4	Retina (Medical)	IC	Subthreshold Laser for Macula Diseases
10:30 | 11:00	Exhibition Hall 7	3	Orbital and Oculoplastic Surgery	PD	Poster Discussion 6 - Orbital and Oculoplastic Surgery & Pediatric Ophthalmology and Strabismus & Ophthalmic Epidemiology and Prevention of Blindness

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DAY 3 – Feb 25, 2023 (Saturday)

Time	Venue	Level	Subspecialty	Type	Theme
11:00 | 12:30	Conference Hall 1	3	Refractive Surgery	IC	Refractive Lens Exchange, Techniques, IOLs, Pros, and Cons, When to Do It?
	Conference Hall 2	3	Glaucoma and Glaucoma Surgery	SYM	Epidemiology, Risk Factor, Lifestyle, and Genetics
	Conference Hall 3	3	Retina (Medical)	SYM	AI in Retinal Diagnostics
	Meeting Rooms 302-303	3	Miscellaneous	SYM	APAO Leadership Development Program (LDP) 2020-21 Graduating Class 2
	Meeting Rooms 304-305	3	Ocular Imaging	SYM	Real-World Applications of Anterior Segment Imaging
	Meeting Rooms 401-402	4	Translational and Visual Sciences Research	SYM	Innovative Translational Research
	Meeting Rooms 403-404	4	Orbital and Oculoplastic Surgery	VS	All You Want to Know About Eyelids Procedures
	Meeting Rooms 406-407	4	Neuro-Ophthalmology	SYM	NANOS Symposium: Heated Debates in Neuro-Ophthalmology: A Civil War
	Plenary Hall	1	Cataract and Cataract Surgery	SYM	When Things Go Wrong – Prevention and Management of Cataract Complications
	Plenary Theatre	3	Pediatric Ophthalmology and Strabismus	CC	APSPOS Symposium: Challenging and Interesting Cases
	Meeting Room 405	4	Ocular Oncology and Pathology	IC	Ocular Brachytherapy: Indications and Techniques
	Meeting Room 409	4	Cornea, External Eye Diseases and Eye Banking	FP	Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session (3)
	Meeting Room 410	4	Cornea, External Eye Diseases and Eye Banking	IC	Climb Every Mountain: Pentacam Interpretation
	Meeting Rooms 307-308	3	Intraocular Inflammation, Uveitis and Scleritis	FP	Rapid Fire Intraocular Inflammation, Uveitis and Scleritis Update Session

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DAY 3 – Feb 25, 2023 (Saturday)

Time	Venue	Level	Subspecialty	Type	Theme
11:00 | 13:00	Meeting Room 408	4	Glaucoma and Glaucoma Surgery	WLC	Gonioscopic Glaucoma Surgery
14:30 | 16:00	Conference Hall 1	3	Cornea, External Eye Diseases and Eye Banking	SYM	Inflammatory Corneal Disorders
	Conference Hall 2	3	Glaucoma and Glaucoma Surgery	SYM	Glaucoma Imaging (From Structure to Function)
	Conference Hall 3	3	Retina (Surgical)	SYM	Macular Surgery
	Meeting Rooms 302-303	3	Evolving Academia, Research, Teaching and Education in Ophthalmology	SYM	Enhancing Education Through E-Learning
	Meeting Rooms 304-305	3	Miscellaneous	SYM	Late-Breaking Updates
	Meeting Rooms 401-402	4	Neuro-Ophthalmology	IC	Basic Neuro-Ophthalmology (Part 1)
	Meeting Rooms 403-404	4	Translational and Visual Sciences Research	SYM	Autoimmune Eye Diseases: From Pathogenesis to Treatment
	Meeting Rooms 406-407	4	Orbital and Oculoplastic Surgery	SYM	APSOPRS SYM: Common Oculoplastic Surgeries: Expert's View
	Plenary Hall	1	Cataract and Cataract Surgery	VS	IIIC SYM: The Perfect Save: Challenging Cases Managed by International Experts
	Plenary Theatre	3	Pediatric Ophthalmology and Strabismus	SYM	Strabismus and Amblyopia
	Meeting Room 405	4	Retina (Surgical)	IC	Surgical Management for the Vitreo-retinal Complications of Pathological Myopia: Approaches and Considerations
	Meeting Room 409	4	Cornea, External Eye Diseases and Eye Banking	FP	Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session (4)
	Meeting Room 410	4	Retina (Medical)	IC	Data-Driven Management of Diabetic Retinopathy for the Comprehensive Ophthalmologist

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DAY 3 – Feb 25, 2023 (Saturday)

Time	Venue	Level	Subspecialty	Type	Theme
14:30 | 16:00	Meeting Rooms 307-308	3	Ocular Oncology and Pathology	FP	Rapid Fire Ocular Oncology and Pathology Update Session
16:00 | 16:30	Exhibition Hall 6	1	Retina (Medical)	PD	Poster Discussion 7 - Retina (Medical & Surgical)
	Exhibition Hall 7	3	Translational and Visual Sciences Research	PD	Poster Discussion 8 - Translational and Visual Sciences Research & Neuro-Ophthalmology
16:30 | 18:00	Conference Hall 1	3	Refractive Surgery	SYM	Phakic IOLs: For All Refractive Errors or Only for Some?
	Conference Hall 2	3	Glaucoma and Glaucoma Surgery	SYM	External Drainage Surgery for Glaucoma
	Conference Hall 3	3	Retina (Surgical)	SYM	APAO-AAO Joint Session: Pediatric Retina
	Meeting Rooms 304-305	3	Miscellaneous	SYM	APAO Quiz
	Meeting Rooms 401-402	4	Neuro-Ophthalmology	IC	Basic Neuro-Ophthalmology (Part 2)
	Meeting Rooms 403-404	4	Orbital and Oculoplastic Surgery	SYM	Oculoplastics High Court: My Judgment vs Yours
	Meeting Rooms 406-407	4	Ophthalmic Epidemiology and Prevention of Blindness	SYM	Universal Eye Health Coverage (UEHC): Public Health Country Perspective
	Plenary Hall	1	Cataract and Cataract Surgery	SYM	Cataract Surgery Essentials: My Top 5 Pearls
	Plenary Theatre	3	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology	SYM	Artificial Intelligence and Deep Learning in Ocular Imaging for Anterior Segment and Glaucoma Imaging
	Meeting Room 405	4	Cornea, External Eye Diseases and Eye Banking	IC	Management of Anterior Segment Injuries of the Eye: Current Trends and Controversies.
	Meeting Room 409	4	Pediatric Ophthalmology and Strabismus	FP	Rapid Fire Pediatric Ophthalmology and Strabismus Update Session (2)

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DAY 3 – Feb 25, 2023 (Saturday)

Time	Venue	Level	Subspecialty	Type	Theme
16:30 | 18:00	Meeting Room 410	4	Ocular Oncology and Pathology	IC	Ocular Surface Tumors: Common and Uncommon Variants
	Meeting Rooms 302-303	3	Retina (Medical)	FP	Rapid Fire Retina (Medical) Update Session (2)
	Meeting Rooms 307-308	3	Translational and Visual Sciences Research	FP	Rapid Fire Translational and Visual Sciences Research & Evolving Academia, Research, Teaching and Education in Ophthalmology Update Session

DAY 4 – Feb 26, 2023 (Sunday)

Time	Venue	Level	Subspecialty	Type	Theme
08:30 | 10:30	Meeting Room 408	4	Cataract and Cataract Surgery	WLC	Masterclass on Anterior Vitrectomy for Phaco Surgeons
09:00 | 10:30	Conference Hall 1	3	Refractive Surgery	IC	Advanced Corneal Topography Course for Refractive and Corneal Surgeons
	Conference Hall 2	3	Glaucoma and Glaucoma Surgery	SYM	Cataract or Refractive Surgery in Patients with Glaucoma
	Conference Hall 3	3	Retina (Medical)	SYM	APVRS Symposium: Advances in Macular Disease Diagnosis and Management
	Meeting Room 410	4	Miscellaneous	SYM	Medicolegal in Ophthalmology: Ophthalmic Trauma
	Meeting Rooms 304-305	3	Ocular Imaging	SYM	Latest Development in Anterior and Posterior Imaging
	Meeting Rooms 401-402	4	Translational and Visual Sciences Research	SYM	The Next Frontier of Vitreoretina: Stem Cells and Retinal Regenerative Medicine
	Meeting Rooms 403-404	4	Orbital and Oculoplastic Surgery	SYM	Tips and Tricks in Orbital and Sockets Surgeries

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DAY 4 – Feb 26, 2023 (Sunday)

Time	Venue	Level	Subspecialty	Type	Theme
09:00 | 10:30	Meeting Rooms 406-407	4	Ophthalmic Epidemiology and Prevention of Blindness	SYM	Building Integrated People Centered Eye Care – Country Experience
	Plenary Theatre	3	Pediatric Ophthalmology and Strabismus	SYM	What's New in Pediatric Neuro-Ophthalmology?
	Meeting Room 405	4	Cataract and Cataract Surgery	IC	Worst Case Scenarios - A Video-Based Course in Cataract Surgery
	Meeting Room 409	4	Cornea, External Eye Diseases and Eye Banking	IC	Cataract Surgery in Presence of Corneal Problems
	Meeting Rooms 302-303	3	Retina (Surgical)	IC	Vitreoretinal Surgeon's Nightmares!
	Meeting Rooms 307-308	3	Neuro-Ophthalmology	FP	Rapid Fire Neuro-Ophthalmology and Miscellaneous Update Session
11:00 | 12:30	Conference Hall 1	3	Refractive Surgery	SYM	ISRS Symposium: Premium Lenses in Refractive Surgery: Which Will Be the Winner, Multifocal vs EDOF vs Accommodative?
	Conference Hall 2	3	Retina (Medical)	SYM	Neovascular AMD Including Polypoidal Choroidal Vasculopathy (PCV)
	Conference Hall 3	3	Retina (Surgical)	VS	Surgical Video Show: Repair the Retina
	Meeting Rooms 302-303	3	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology	SYM	APTOS-DOS Joint Session on Digital Health
	Meeting Rooms 304-305	3	Evolving Academia, Research, Teaching and Education in Ophthalmology	WS	APAO-AAPPO Joint Session: Workshop on Academic Writing and Publishing
	Meeting Rooms 401-402	4	Translational and Visual Sciences Research	SYM	Coming Together to Tackle Rare Diseases: Insights from Consortium and Registry Studies on Inherited Retinopathies

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DAY 4 – Feb 26, 2023 (Sunday)

Time	Venue	Level	Subspecialty	Type	Theme
11:00 | 12:30	Meeting Rooms 403-404	4	Orbital and Oculoplastic Surgery	SYM	Updates on TED Every Ophthalmologist Should Know
	Meeting Rooms 406-407	4	Ophthalmic Epidemiology and Prevention of Blindness	SYM	Novel Approaches to Delivering Care for Glaucoma and Diabetic Retinopathy in the Asia-Pacific Region
	Plenary Theatre	3	Pediatric Ophthalmology and Strabismus	SYM	Pediatric Cataract – Holistic Management
	Meeting Room 405	4	Cataract and Cataract Surgery	IC	IOL Fixation Techniques
	Meeting Room 409	4	Cataract and Cataract Surgery	FP	Rapid Fire Cataract and Cataract Surgery and Refractive Surgery and Rapid-Fire Orbital and Oculoplastic Surgery Update Session
	Meeting Room 410	4	Cornea, External Eye Diseases and Eye Banking	IC	Peripheral Ulcerative Keratitis: A Diagnostic and Management Dilemma
	Meeting Rooms 307-308	3	Ocular Imaging	FP	Rapid Fire Ocular Imaging and Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology Update Session
11:00 | 13:00	Meeting Room 408	4	Retina (Surgical)	WLC	Posterior Vitrectomy Wet Lab Instruction Course

CONGRESS INFORMATION

The following information is provided to make your attendance at the 38th APAO Congress in Kuala Lumpur, Malaysia as pleasant as possible. If you have any queries during the Congress or require any assistance, please visit the Registration Desk where our team will be happy to help.

Event Name

The 38th Asia-Pacific Academy of Ophthalmology Congress in conjunction with the 13th Malaysian Society of Ophthalmology Annual Scientific Meeting.

Congress Venue

Kuala Lumpur Convention Centre (KL Convention Centre)
Jalan Pinang, Kuala Lumpur, 50450 Kuala Lumpur

Registration and Information Desk

The APAO 2023 Congress registration and information desk is located on Level 3 Banquet Hall (February 22 – 24) and Level 3 Centre Core Counter (February 25 – 26) with the following opening hours:

Banquet Hall, Level 3 (February 22 – 24)	
Feb 22, 2023 (Wed)	14:00 - 19:30
Feb 23, 2023 (Thu)	07:30 - 18:00
Feb 24, 2023 (Fri)	07:30 - 18:00
Centre Core, Level 3 (February 25 – 26)	
Feb 25, 2023 (Sat)	07:30 - 18:00
Feb 26, 2023 (Sun)	07:30 - 11:30

On-Site Payment

On-site payment with cash and credit card can be made at the Registration Desk during opening hours. Cash and credit cards are accepted in local currency (Malaysian Ringgit) only. Cheques are not accepted.

Name Badges

On the first day of the congress (Feb 23), all delegates registered for the Congress should receive the QR Code on APAO Smartphone App which allows you to access the scientific session room before printing a name badge.

All delegates registered for the Congress are still required to issue a name badge at the Registration Desk. It entitles you to entry to the following:

- All Scientific Sessions;
- Exhibition Hall; and
- Opening Ceremony of APAO 2023

This badge will be the official pass and must be worn at all times while on-site by the named delegate only.

All badges are nontransferable. Reissuing of name badges for the delegate/accompanying person will be available at the Registration Desk. An administrative fee of US$20 may be incurred for re-issuing a delegate badge.

Accompanying Persons (if any) are entitled to enter only the Exhibition Hall and Opening Ceremony of APAO 2023.

Delegate Bag Collection

Delegate bags are available at the registration counter. Delegates can collect their own delegate bag once the name badge is issued.

Ribbon Collection

Ribbons are available for pickup at the Registration Hall.

Dress Code

Neat casual attire is acceptable for attendance at Congress sessions and social functions.

Advice on Prevention of COVID-19

The wearing of masks is only compulsory in healthcare facilities and public transport. It is optional to wear masks during the Congress.

APAO Smartphone App

The APAO 2023 mobile app provides easy-to-use interactive capabilities to enhance your Congress experience. The app features all the scientific sessions and instruction courses, posters, e-posters, video abstracts, general information, floor plan, and a city map. With the utilization of the Congress App, you will have access to real-time interaction with the session speakers or panelists by posting questions at the 'Q&A' section in each individual symposium.

The app can be downloaded by scanning the QR code as shown below.

ANDROID APP IOS APP

Updating the app regularly is recommended. For help on downloading the app and navigating its functions, please ask for assistance at the Registration Desk.

Speaker Ready Room

All speakers are required to check in and upload their PowerPoint at the respective Speaker Ready Room 24 hours before their scheduled presentation. The computers in the Speaker Ready Room will have the exact same configuration as those in the session rooms. It is imperative that you review your presentation in the Speaker Ready Room where our technicians will help resolve any compatibility and/or formatting issues.

The PowerPoint and video files you have uploaded onto the computer in the Speaker Ready Room will be automatically transmitted to the laptop computer at the podium before your session begins. The Speaker Ready Room will be open during the following times in Meeting Room 306, Level 3, KL Convention Centre:

Feb 22, 2023 (Wed)	14:00 - 18:00
Feb 23, 2023 (Thu)	07:30 - 18:00
Feb 24, 2023 (Fri)	07:30 - 18:00
Feb 25, 2023 (Sat)	07:30 - 18:00
Feb 26, 2023 (Sun)	07:30 - 11:30

Final Book (Scientific Program / Abstract Book / Exhibitor Directory)

The PDF copies of the Final Book (Scientific Program / Abstract Book / Exhibitor Directory) will be available online from Feb 22 at http://2023.apaophth.org/publications. No hard copies will be distributed.

Scientific Posters

Paper posters can be found in the Poster Area at Exhibition Hall 6. There will be one poster session showcasing over 200 posters.

1. PO-001-PO-120: Level 1, Exhibition Hall 6

2. PO-121-PO-240: Level 3, Exhibition Hall 7

Poster sessions will be conducted during the morning and afternoon breaks from Feb 23-26, 2023. Delegates can use the image scanner to scan the posters. They will then be directed to a recording made by the author where applicable.

Additionally, delegates can vote for 5 of their favorite posters using the stickers found inside the delegate bag. Voting begins on Feb 22 at 09:00 and ends on Feb 25 at 12:00 noon.

Poster Discussion Area

Selected poster will be presented at the Poster Discussion Area located at Exhibition Hall 6 & 7. Schedule can be found in the final book and Smartphone App.

E-Poster & Video Platform

There are over 520 accepted electronic posters and 101 selected videos showcased in APAO 2023. Delegates may visit the E-Poster and Video Platform located in the Exhibition Hall 6. They can view e-posters via the smartphone app. They will then be directed to a recording made by the author where applicable.

In addition, delegates can vote for 5 of their favorite e-posters and videos using the platform in the Exhibition Hall and/or the Congress App. The voting period ends on Feb 25 at 12:00 noon.

Imaging Competition

Images from the APAO-APOIS Imaging Competition will be displayed at the E-Poster Station located at the Exhibitor Hall 6. Award presentation will take place at the Cultural Party on Feb 25 at 18:30-21:30.

APAO Cultural Party and Award Ceremony

The festive APAO 2023 Cultural Party is the event to appreciate the efforts that colleagues and friends have done in a year. It features a special performance, and the presentation of APAO Distinguished Service Awards, APAO Outstanding Service in Prevention of Blindness Awards, and APAO Achievement Awards, among others. Admission fee is US$75. Ticket is available at the registration counter.

Delegate Lounge and Charging Area

Delegates can use the charging facilities located in Exhibition Hall 6.

Morning and Afternoon Tea

Morning and afternoon tea will be served at 10:30-11:00 & 16:00 - 16:30 in the Exhibition Hall 6 & 7.

Policies

No Smoking - Smoking is strictly prohibited in all session rooms, meeting, and exhibition areas. Your cooperation is appreciated.

Mobile Phones - Please respect the presenter and other delegates by ensuring that your mobile devices are put in silent mode during sessions.

Photography in the Exhibition Hall - Attendees wishing to photograph or videotape an exhibit must obtain permission from the relevant company beforehand.

Photographing or Videotaping Scientific Sessions - Photographing and/or videotaping the scientific sessions are strictly prohibited. (Permission must be obtained in advance by media representatives.)

Certificates of Attendance

Certificates of Attendance can be downloaded through the APAO Congress system (http://congress.apaophth.org/) after the Congress. Please log in with the same email address that you used to register for the Congress.

Continuing Medical Education

The 38th APAO Congress has been granted 17 European CME credits by the European Accreditation Council for Continuing Medical Education (EACCME).

Continuing Professional Development (CPD) Accreditation in Malaysia

*Malaysian Medical Association (MMA)**

The 38th APAO Congress has been granted 20 CPD credits. Malaysian delegates are required to use the MMA Scanner App to scan a QR Code, which will only be available from 12pm on Feb 26, 2023, Registration Counter at Centre Core, Level 3.

** MMA members are required to download the MMA Event/ CPD app onto their mobile phone (please use this link: http://onelink.to/mmaapp).*
** MMA Members should log in using the same email and password used for the MMA website.*

Academy of Medicine of Malaysia (AMM)

The 38th APAO Congress has been granted 20 points. The Event ID: 22131 has been listed in the Medical Specialist CPD System.

Congress Photography

Some of the Congress sessions taking place will be filmed and recorded. There will also be a photographer present over the course of the Congress who will be capturing images. Any images will be retained and used by APAO (e.g., on the APAO website, in publications, among others). If you have any concern with your photograph being taken or session recorded, please contact the APAO office.

Congress On Demand

Please note that all sessions will be recorded for Congress on-demand (https://video.apaophth.org) so that all registered delegates can have FREE access 24/7 and catch up with the sessions they've missed. The recordings of the invited sessions would be available starting from Feb 27 - Mar 2 after the Congress. Free access will end on Mar 25, 2023. After this, delegates may keep their access by purchasing credits.

Congress Directory

PLACE	IN KL CONVENTION CENTRE
APAO Office	Centre Core, Level 3
Registration Desk	Banquet Hall, Level 3 (February 22 – 24), Centre Core, Level 3 (February 25 – 26)
Information Desk	Banquet Hall, Level 3 (February 22 – 24), Centre Core, Level 3 (February 25 – 26)
Speaker Ready Room	MR 306, Level 3,
Scientific Posters & Videos	Exhibition Hall 6, Level 1
Poster Discussion Area	Exhibition Hall 6, Level 1 & Exhibition Hall 7, Level 3
Wet Lab Course	MR 408, Level 4,
Opening Ceremony	Plenary Hall, Level 1,
APAO Cultural Party and Award Ceremony	Grand Ballroom, Level 3,
Exhibition Hall	Exhibition Hall 6, Level 1 & Exhibition Hall 7, Level 3
Delegate Lounge and Charging Area	Exhibition Hall 6, Level 1

GENERAL INFORMATION

Venue Information

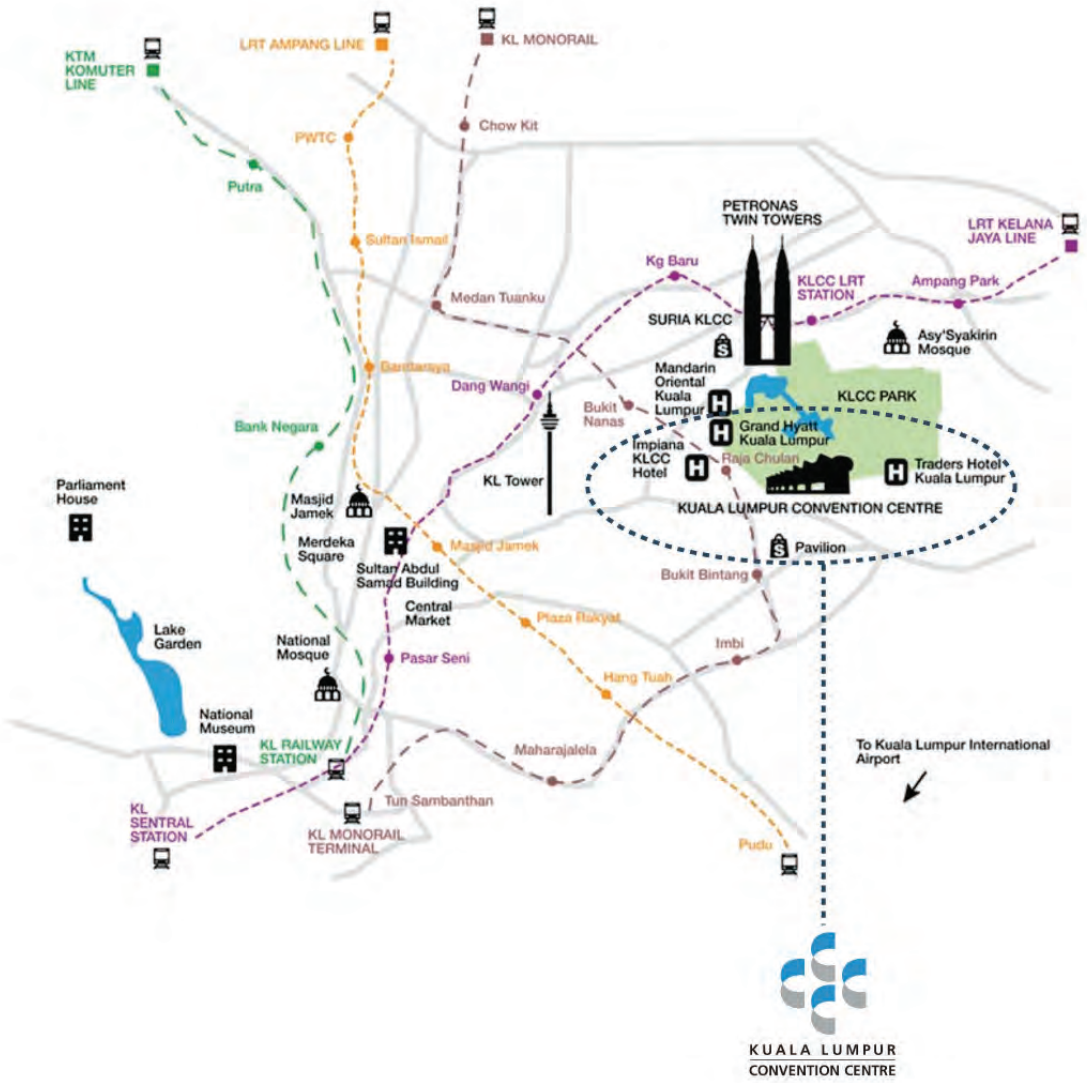
Kuala Lumpur Convention Centre (KL Convention Centre)

Jalan Pinang, Kuala Lumpur, 50450 Kuala Lumpur

General Venue Enquiries: 03-2333 2888

With the recent re-opening of Malaysia's international borders, the prestigious Kuala Lumpur Convention Centre (KL Convention Centre), located in the heart of the city, is most ready to host the 38th APAO Congress with an expected attendance of over 4,000 delegates. KL Convention Centre is Malaysia's premier award-winning venue. Featuring a wide range of customizable function space, the five-level purpose-built facility is ideal for large and high-profile meetings. KL Convention Centre is also incredibly accessible. A variety of transportation is available to take you from the Kuala Lumpur International Airport (KLIA) to KL Convention Centre and your on-site accommodation.

Site Map



Getting to KL Convention Centre

Getting to the KL Convention Centre is very convenient as it is accessible by car and public transport.

Taxi and Ride Shares

Taxis or ride shares (alternatively known as e-hailing) may drop passengers at the entrance of the KL Convention Centre. Popular ride-sharing or e-hailing services include Grab, MyCar and Kumpool.

LRT

Visitors can catch the LRT to the KL Convention Centre LRT stop. Once you disembark, follow the directional signage that takes visitors through the Suria KL Convention Centre Shopping Mall and proceed to the pedestrian tunnel that leads to the Concourse Level of the Kuala Lumpur Convention Centre.

Car

The KL Convention Centre has its own parking area with the entrance right next to the Traders Hotel. Parking rates for the first hour or part thereof is RM5.00, with every subsequent hour or part thereof being RM4.00. The maximum rate (5pm to 5am) is RM17.00.

Visiting Malaysia

APAO 2023 will be held in Kuala Lumpur, Malaysia's capital and most populous city. A melting pot of nations with Malay, Chinese, Indian and more people living in the amazing city, Kuala Lumpur is a veritable food hub with incredible history, culture, and architecture, making it one of the most incredible cities on the planet. Kuala Lumpur has something to suit all ages and budgets, from the traditional to the modern. Visit the temples, mosques, skyscrapers, local markets and street food to taste what Malaysia is truly about.

For more information about Malaysia, please visit the following website: https://www.malaysia.travel/

Telecommunications

You may purchase a prepaid mobile SIM card at the airport or from telecommunications shops in Malaysia. You are required to present your passport for the vendor to copy and register your new prepaid sim card under your name.

WiFi

The internet and WiFi connections are widely available. Complimentary WiFi will be provided in KL Convention Centre.

Tipping

Tipping is not customary in Malaysia. Some restaurants, however, levy a 10% service charge on your bill.

Climate

The weather in Malaysia is dominated by a tropical monsoon climate with temperatures varying from 38°C to 20°C with a mean annual temperature of 25.4°C. As this is a tropical climate, Kuala Lumpur experiences occasional rainfall, varying in intensity throughout the year.

COVID-19 Travel Requirements

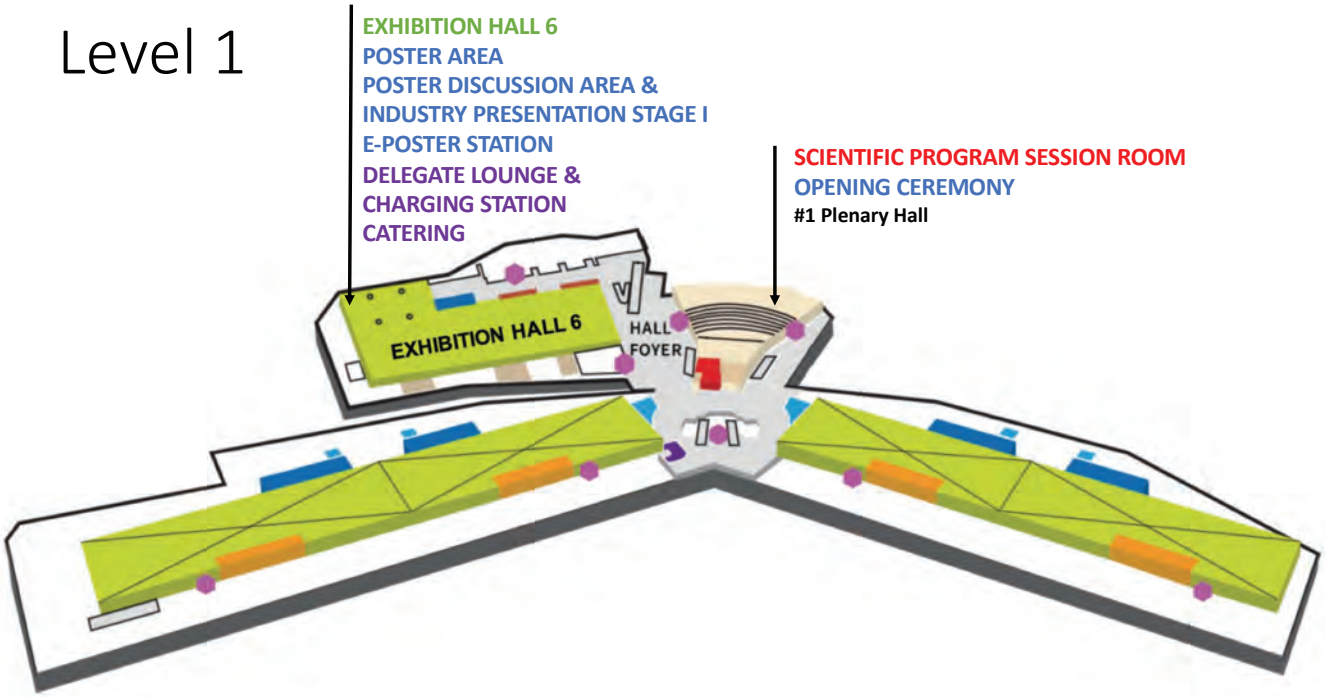
Wearing masks is optional but still encouraged in crowded places and is compulsory on public transport systems. Check entry requirements on the official website as standard operating procedures (SOP) for international travelers may change at a short notice:
https://mysafetravel.gov.my/

Currency Exchange

Malaysia uses the Ringgit. You can change your cash at a bank, with a money changer or at a currency exchange desk. You may also use an ATM to withdraw what you need. Traveller's checks cannot be used in Malaysia as a direct payment. Many businesses use credit and debit cards. Make sure you have some cash on you, too, just in case of any issues. E-payments or e-wallets are also available, with popular forms of payments being GrabPay and Touch N' Go.

FLOOR PLAN

Level 1



Level 3

EXHIBITION HALL 7
POSTER AREA
POSTER DISCUSSION AREA &
INDUSTRY PRESENTATION STAGE II
CATERING

SCIENTIFIC PROGRAM SESSION ROOM
#2 Conference Hall 1
#3 Conference Hall 2
#4 Conference Hall 3
#5 Plenary Theatre
#6 MR302-303
#7 MR304-305
#8 MR307-308

WIO LUNCHEON FUNCTION ROOM
MR301

FUNDRAISING RUN COUNTER
Cloak Room

SPEAKER READY ROOM
MR306

REGISTRATION HALL
Banquet Hall
(February 22-24, 2023)

APAO CULTURAL PARTY AND AWARD CEREMONY
Grand Ballroom
(February 25, 2023)

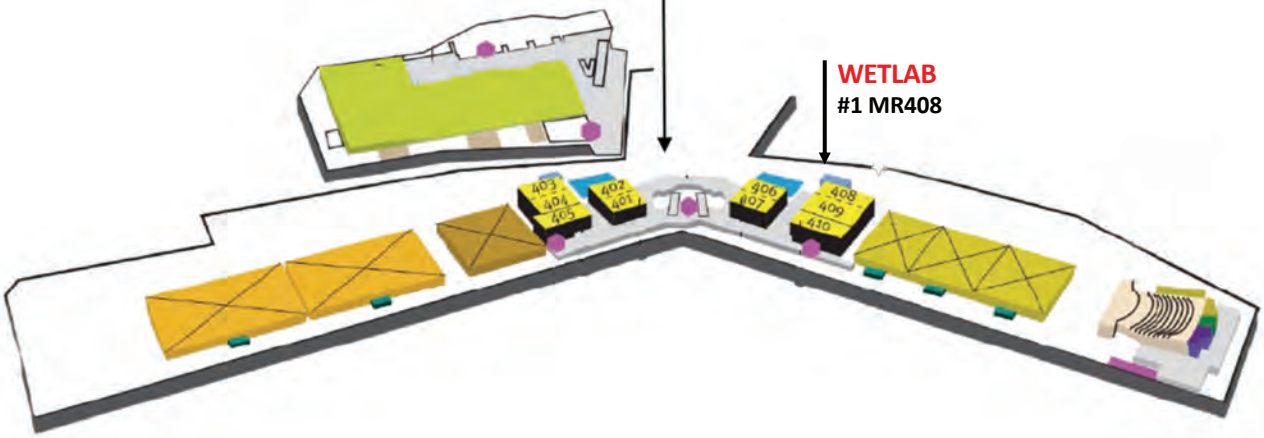
REGISTRATION COUNTER
Centre Core
(February 25-26, 2023)

Level 4

SCIENTIFIC PROGRAM SESSION ROOM

#9 MR401-402
#10 MR403-404
#11 MR405
#12 MR406-407
#13 MR409
#14 MR410

WETLAB
#1 MR408



SOCIAL PROGRAM

APAO Fundraising Run

Date: January 25 – February 25, 2023
Anytime, Anywhere

Opening Ceremony

Date: February 23, 2023 (Thursday)
Time: 11:30 – 13:00
Venue: Plenary Hall, Level 1, KL Convention Centre
Open to All Delegates

Presidential Dinner

Date: February 23, 2023 (Thursday)
Time: 19:00 – 21:30
Venue: Grand Ballroom, Grand Hyatt Kuala Lumpur
By Invitation Only

Women in Ophthalmology Luncheon

Date: February 24, 2023 (Friday)
Time: 12:45 – 14:15
Venue: Meeting Room 301, Level 3, KL Convention Centre
By Invitation Only

Young Ophthalmologists' Night

Date: February 24, 2023 (Friday)
Time: 18:30 – 20:30
Venue: Cedar on 15, Level 15, Impiana KLCC Hotel
By Invitation Only

APAO Cultural Party and Awards Ceremony

Date: February 25, 2023 (Saturday)
Time: 18:30 – 21:30
Venue: Grand Ballroom, Level 3, KL Convention Centre
Fee: US$75
Open to All Delegates

Leadership Development Program Alumni Reception

Date: February 25, 2023 (Saturday)
Time: 13:00 – 14:00
Venue: Hospitality Suite 7M, Level 3M, KL Convention Centre
For APAO LDP Alumni

THE OFFICIAL JOURNAL OF APAO & AAPPO

Asia-Pacific Journal of Ophthalmology

SCI-Indexed
Open Access
No Publication Fee

Editors-in-Chief: Dennis SC Lam, MD
Jost B Jonas, MD

The ***Asia-Pacific Journal of Ophthalmology (APJO)*** is a bimonthly, online-only, peer-reviewed journal for ophthalmologists and visual scientists. It is an **open-access journal without any publication fee or charge** for submitted or accepted articles. With an aim to foster an exchange of expertise and knowledge in the field, the APJO serves as an excellent platform where eye care specialists in the Asia-Pacific region can interact with the world's leading ophthalmologists.

The APJO is **SCI-indexed, with an impact factor of 4.206 in 2021**. It welcomes the submission of original and previously unpublished manuscripts, including clinical and basic scientific research, critical reviews on pertinent topics, and perspectives giving personal viewpoints on topics with broad interests.

Contact information:

Editorial Office
Email: apjo-mail@apaophth.org

To submit manuscripts to the ***APJO***, visit:
http://www.apjo.org/

APAO INTERNATIONAL FELLOWSHIP PROGRAMME

Our Vision Your Education

The APAO International Fellowship Program (IFP) provides selected young ophthalmologists in the Asia-Pacific region with the opportunity to further their education by improving their linical skills,surgical experience and research skills at internationally renowned training centres around the world.

We Support

- Up to 5 fellows per year
- 3- or 12-month fellowship at 1 of 15 accredited **APAO International Training Centres**
- Up to US$ 1,000 for airfare & monthly allowance of US$200

Eligibility Requirements

- From an **APAO member nation**;
- Have completed basic residency training in ophthalmology;
- Published at least 1 original scientific article in an indexed peer-reviewed journal;
- Younger than age 40.

APAO Fellows

Dr. Kanchalika SATHIANVICHITR
12-month fellowship
at Singapore Eye Research Institute,
Singapore National Eye Centre

Dr. Pallavi SINGH
12-month fellowship
at UCLA Jules Stein Eye Institute

Dr. Qi Zhe NGOO
12-month fellowship
at New Zealand
National Eye Centre

https://apaophth.org/fellowship-program/

@APAOphth

@APAOphth

Stay tuned for program updates!

APAO NAMED AWARDS & LECTURES

JOSE RIZAL MEDAL

The Jose Rizal Medal recognizes an outstanding ophthalmologist annually for his/her excellence in ophthalmology in the Asia-Pacific region. This medal was instituted to commemorate Dr Jose Rizal, an ophthalmologist who became a national hero of the Philippines.

Kyoko Ohno-Matsui
MD, PhD
Japan

Prof Kyoko Ohno-Matsui is Professor and Chairperson of the Department of Ophthalmology and Visual Science at Tokyo Medical and Dental University (TMDU). She is also the Chief of the Advanced Clinical Center for Myopia at TMDU. She is a founding president of Japan Myopia Society and was the president of the 17th International Myopia Conference in 2019.

She graduated from Yokohama City University Medical School and received her PhD at TMDU. She did postdoctoral fellowship at Wilmer Eye Institute at Johns Hopkins University.

She has an outstanding track record in research, with 319 publications in leading peer-reviewed journals. For example, based on a long follow-up at her Center, she clarified the 13-year and 18-year natural course of myopic maculopathy (Ophthalmology 2010, Ophthalmology 2018). She also led the meta-analysis of pathologic myopia (META-PM) study group comprised of world experts on myopia and established the classification of myopic maculopathy (Am J Ophthalmol 2015). This classification has been widely used in many epidemiological and genetic studies worldwide, as a gold standard. She clearly thought that visual impairment caused by pathologic myopia was due to mechanical insult on neural retina/optic nerve by a deformity of eye shape. Based on this idea, she established a novel technique called “3D MRI of the eye” and has succeeded in visualizing a shape of the entire eye and how the shape is deformed in eyes with pathologic myopia (Ophthalmology 2011, Lancet 2012, Prog Retin Eye Res 2016, Prog Retin Eye Res 2019). Using 3D MRI, she identified the pattern of eye deformity which mostly affected the vision.

More recently, as more feasible technique, she has established ultrawide-field swept-source OCT imaging of an entire extent of wide staphyloma (Ophthalmology 2018). This ultrawide-field OCT has clearly shown how eye deformity damages neural retina/optic disc and how myopic fundus complications occur. Based on these outstanding studies, she has been actively working on an establishment of novel therapies to treat and prevent eye deformity before vision-threatening complications occur by using regenerative and photochemical approaches (J Tissue Eng Regen Med 2018). Her group recently established AI-based diagnostic system of myopic maculopathy (Ophthalmol Retina 2021, APJO 2021, Diagnostics 2022). In addition to these excellent clinical studies, she has been a leader of basic research team in her university. She has found an important causative role of amyloid β in drusen for development of age-related macular degeneration and have clarified a similar mechanism between Alzheimer disease and age-related macular

degeneration (J Clin Invest 2005, J Immunol 2008, Am J Pathol 2010, Prog Retin Eye Res 2011).

She is an Editorial Board member of Asia-Pacific Journal of Ophthalmology (APJO) in the field of myopia and refractive surgery. She is a council member of the Asia-Pacific Myopia Society (APMS). She has also received the J. Donald Gass Medal at the Macula Society in 2022.

Jose Rizal Medal Lecture: Pathologic Myopia

Plenary Session II: 2023 APAO and MSO Named Awards Lectures
February 24, 2023
16:30-17:30
Plenary Hall (Level 1)

Pathologic myopia (PM) is a major cause of visual impairment worldwide especially in east Asian countries. According to META-PM classification, PM is defined as eyes having myopic maculopathy equal to or more serious than diffuse atrophy or having posterior staphyloma. Based on OCT data, various lesions of myopic maculopathy are characterized by progressive choroidal thinning and a formation of Bruch's membrane hole.

Posterior staphyloma is an outpouching of the limited area of posterior fundus and is a hallmark lesion of pathologic myopia. Unlike axial elongation, which mainly takes place in the equatorial region of the eye, posterior staphyloma occurs in the posterior segment of the eye, which leads to a formation of vision-threatening complications in the macula and in the optic nerve. As staphyloma usually involves a wide area, it is difficult to visualize with conventional imaging. Three-dimensional MRI (3D MRI) and the recent ultra-widefield OCT are powerful tools to visualize staphyloma up to its entire extent.

With such an advance in ocular imaging, it has now been clear how the eye is deformed in PM and how such deformity mechanically damages the retina and the optic nerve. The main role of the sclera; the outer shell of the eye is to protect the nervous tissue in it. Thus, the therapies to prevent the eye deformity before vision threatening complications occur are ideal. In this lecture, future therapies are also presented to tackle the blindness due to PM.

APAO ICO MARK TSO GOLDEN APPLE AWARD FOR THE BEST CLINICAL TEACHER IN OPHTHALMOLOGY IN THE ASIA-PACIFIC REGION

Initiated by the International Council of Ophthalmology (ICO) as a token of the ICO's commitment to improving ophthalmic education worldwide, the ICO Mark Tso Golden Apple Award honors the most dedicated teacher of clinical ophthalmology in the Asia-Pacific region. It is named after Prof Mark OM Tso, immediate past ICO Director of Education.

A.H.M Enayet HUSSAIN
FRCS (Glasg), FCPS (BD)
Bangladesh

Prof A.H.M Enayet Hussain is now working as Director General, Directorate General of Medical Education under the Ministry of Health and Family Welfare, Government of Bangladesh. He served as Head of Pediatric Ophthalmology at National Institute of Ophthalmology and was involved in improvement of eye care at primary and secondary levels of services in Bangladesh by increasing capacity of eye care service providers and strengthening coordination among government organizations and non-governmental organizations and private eye care providers. He has wide experience in undergraduate and post-graduate teaching in ophthalmology.

He passed MBBS from MAG Osmani Medical College under Chittagong University of Bangladesh, FCPS (Ophthalmology) from Bangladesh College of Physician and Surgeons and FRCS from Royal College of Physician and Surgeons, Glasgow. He was also awarded FRCS from Royal College of Physician and Surgeons, Edinburgh.

He is currently the Chairman (Bangladesh Chapter) of International Agency for Prevention of Blindness (IAPB). He is also the coordinator for Bangladesh center of International Council of Ophthalmology examination.

Prof Hussain has taken several initiatives to promote eye health adapting public health approach for eye health programming and policy making since 2000 and working with International Non-Governmental Organization (INGO) forum for eye health. He is also closely working with the World Health Organization Southeast Asia regional office to develop and implement WHO global action plan (GAP) aligned with the national plan of action.

Prof Hussain served two terms as Secretary General of Ophthalmology Society of Bangladesh (OSB). He was the founding president of Bangladesh Pediatric ophthalmologist Society. At present he is the president of Bangladesh Academy of Ophthalmology. He is now the chairman of advisory committee for the prevention of retinopathy of prematurity.

He played a stewardship role for integrating eye health into primary eye care and pediatric eye health in integrated management of childhood illness (IMCI). He has significantly contributed to developing several manuals, protocols and guidelines on pediatric ophthalmology, school screening, frontline workers' Primary Eye Care (PEC) training manual, and also contributed to developing the national strategic plan as a chair of an advisory group.

As the Chair of IAPB, he has coordinated to the launching of World Report on Vision in Bangladesh by the Honorable Minister of Health. He also facilitated workshop to translate the integrated people-centered eye car (IPCEC) approach where regional chairs of Southeast Asia from IAPB attended.

Prof Hussain has strong influencing and organizing capacity which helped INGOs to work closely with the government, WHO and United Nation (UN) bodies in respond to eye health needs of the country. According to Hussain, “there are no alternatives of collaborative efforts to achieve what we want.”

He received the Outstanding Service Award in the prevention of blindness at the 31st Asia Pacific Academy Ophthalmology Congress in 2016 and A.K. Das Endowment Award for contribution in the prevention of blindness by Association of Community Ophthalmology India (ACOIN) in 2014 and Prof Mubarak Ali Gold Medal Award in 2018 from Ophthalmological Society of Bangladesh, also awarded as IAPB Eye Health Hero by International Agency for prevention of blindness for his outstanding contribution in public health for prevention of blindness in 2018. In addition, he received the National Integrity Award of Government of Bangladesh in 2020 under Ministry of Health and Family Welfare, Bangladesh.

His mission is to eliminate needless blindness, to reach out the unreached and to ensure universal eye health with system strengthening approach.

ICO Golden Apple Award Lecture: Towards an Equitable and Inclusive Vision: Incorporating Social Determinants of Health in Medical Education in Bangladesh

Plenary Session II: 2023 APAO and MSO Named Awards Lectures
February 24, 2023
16:30-17:30
Plenary Hall (Level 1)

Over the last few decades, Bangladesh has made notable successes in the most important health indicators like infant and child mortality, maternal mortality, avoidable blindness reduction, tuberculosis and malaria treatment outcomes, fertility, and contraceptive prevalence. Despite these successes, significant disparity exists in accessing health services including eye care.

SDGs call on us to “achieve universal health coverage (UHC) reducing inequalities and ensuring inclusiveness irrespective of age, sex, gender, race and ethnicity.” Vision makes an important contribution to the 2030 Agenda for Sustainable Development and cuts across many of the SDGs: from poverty reduction to economic growth and employment, to education, gender and reducing inequalities. In the recent Bangladesh National Blindness survey, it showed that reduction of adult blindness from 1.53% to 1%. Another survey showed that over the last 15 years, prevalence of childhood blindness was reduced to 6/10,000 from 8/10,000.

In spite of substantial improvements in avoidable blindness reduction and coverage of eye care services, a key challenge facing Bangladesh in its quest for the universal eye coverage is to ensure equitable access to gender, marginalized population, education, ethnicity and disability. Bangladesh is now adopting an integrated people-centered eye care approach ensuring multi-sectoral accountability through addressing social determinants of health to prevent avoidable blindness.

The Director General of Medical Education under Health and Family Welfare Ministry of Bangladesh has taken initiative to incorporate social determinates of health in medical education. The medical student should be oriented about the health inequities. The trainees (students) must have the knowledge and skills to work toward social change.

HOLMES LECTURE

The Holmes Lecture is the highest award for exceptional contributions to preventive ophthalmology, especially in the prevention of blindness in the Asia-Pacific region. The Holmes Lecture is named in memory of Dr William J Holmes, the founding Secretary-General of APAO.

Muhammad MOIN
FRCS(Ed), FRCOphth
Pakistan

Prof Muhammad Moin completed medical school from King Edward Medical College, Lahore, clinical residency training in ophthalmology from University College Hospital Galway, Ireland Waterford General Hospital, Ireland, Tennent Institute, Glasgow, UK, and fellowship in Orbit and Oculoplastics from University of Cincinnati, USA and later advanced training in Vitreo-retina from University of Tucson, USA. He obtained FRCOphth and MRCOphth from the Royal College of Ophthalmologists, UK and FRCS from the Royal College of Surgeons, Edinburgh. He also obtained master's in medical education from College of Physicians and Surgeons Pakistan. He completed the Asia Pacific Academy of Ophthalmology (APAO) LDP program and certificate course in Medical Editing from University of Health Sciences, Lahore.

He is currently Head of the Department of Ophthalmology and Medical Education Director at Ameer-ud-Din Medical College/ Postgraduate Medical Institute, Lahore, one of the largest tertiary care hospitals in Punjab. Prof Moin is currently the President of the Ophthalmological Society of Pakistan, Lahore Branch. He has served as General Secretary and Treasurer of the society in the past. He has also served as General Secretary and President of the Pakistan Oculoplastics Association. He is the Editor-in-Chief of the Pakistan Journal of Ophthalmology, a peer-reviewed journal indexed in Scopus which has fully online submission, review, and publishing process. He had been the Editor and Associate Editor of the journal before.

He has been a member of the APAO Standing Committee on Leadership and Education for the last four years. Currently, he is the Acting Chair of the APAO LDP program (since 2019) and has conducted the whole program online along with his team. He has participated as speaker in more than 250 seminars, symposiums, workshops, and congresses at both national and international levels. He has been an invited speaker at the meetings of APAO, International Council of Ophthalmology (ICO), and American Academy of Ophthalmology (AAO). He has published 55 papers, a book on OCT and co-authored a textbook of ophthalmology. He is an Examiner for the College of Physicians and Surgeons Pakistan, University of Health Sciences, Punjab and King Edward Medical University, Lahore.

He has trained 34 postgraduate fellows in ophthalmology, 10 trainees in master's program in ophthalmology, 11 diploma students, five fellows in vitreo-retina and one fellow in oculoplastics. In collaboration with International College of Ophthalmology, he started the OSP Leadership Development Program and OSP Teach the Trainers Program in 2015. He is also a faculty member of the ICO master trainer workshops. He is the faculty member of Ophthalmic Foundation and has conducted multiple online sessions in their education series. He established phaco wet labs at Lahore General Hospital/Postgraduate Medical Institute Lahore (PGMI) in 2016 and in Quaid-e-Azam Medical College, Bahawalpur in 2010.

With the help of Fred Hollows Foundation, he was able to establish vitreo-retinal and pediatric ophthalmology subspecialties in Quaid-e-Azam Medical College, Bahawal Victoria Hospital in 2010-2012 and later in Lahore General Hospital in 2013-2014. This included human resource development and equipment purchase. In 2019, he also started subspecialty fellowship in oculoplastics and orbit in his department after developing the curriculum for the College of Physician and Surgeons, Pakistan. At Lahore General Hospital he established the Center of Excellence in Retinopathy of Prematurity in 2015 and Diabetic Fundus Screening Center at Diabetic Medical Center in collaboration with Fred Hollows Foundation. Pakistan Retinopathy of Prematurity (ROP) Educational and Research Alliance (PROPERA) was established in collaboration with Montefiore Medical Center, New York for the awareness, human resource development and treatment of ROP in Pakistan. More than 1,500 babies with ROP have been screened and 150 babies saved from going blind by early treatment. He has developed a free electronic medical record system and question banking software for the use by ophthalmologists across Pakistan.

In recognition of his distinguished services, he received the highest academic medal (Ramzan Ali Syed Presidential Gold Medal) of Ophthalmological Society of Pakistan in 2021. He also received international awards which included Achievement Award and Distinguished Service Award from APAO in 2015 and 2017 respectively, and International Ophthalmologist Education Award and International Scholar Award by AAO in 2016 and 2018, respectively.

Holmes Lecture: The Third Epidemic of Retinopathy of Prematurity

Plenary Session I: 2023 APAO Named Awards Lectures
February 23, 2023
10:40-11:30
Plenary Hall (Level 1)

Retinopathy of prematurity (ROP) contributes to a large proportion of preventable blindness, despite the effectiveness of screening and treatment. The third epidemic of ROP blindness, which started in the 1990s in East Europe and Latin America, has extended into other countries in Asia and, more recently into sub-Saharan Africa. The third epidemic is a result of increasing survival of preterm infants due to the expansion of neonatal care services coupled with inadequate screening to detect and treat sight-threatening ROP (ST-ROP). The infant mortality rate (IMR) has been shown to be associated with the proportion of blindness in children due to ROP, and countries with an IMR of 10-60/1,000 live births are those most at risk of ROP blindness. In 2018, the IMR in Pakistan was 57.2/1,000 live births, suggesting that blindness due to ROP is likely to become a problem.

For successful screening programs, a multidisciplinary approach is essential, with excellent collaboration between the ophthalmologists and neonatal teams. However, neonatologists are often not aware of the consequences of untreated ROP, as blind children with end-stage ROP tending to present to ophthalmologists. Screening guidelines need to take account of the local context, as preterm infants at risk of ROP vary, depending on the level of neonatal care. In settings with suboptimal neonatal care, more mature, heavier infants are also at risk of ST-ROP than in units where there is less exposure to risk factors such as hyperoxia, sepsis, and failure to gain weight. All countries use a combination of gestational age (GA) and birth weight (BW) to identify infants eligible for screening, and some use additional sickness criteria. For example, the US and the UK use the guidelines of GA of less than 30 and 32 weeks respectively, and a BW of less than 1,500 grams. However, these narrow criteria would miss many infants with ST-ROP in low- and middle-income countries; hence, the guidelines developed in Pakistan are similar to those in India, China and Mexico. It is essential to include older premature babies with higher BW.

NAKAJIMA AWARD

Aimed at encouraging young ophthalmologists to play a more active role in ophthalmological development, the Nakajima Award honors young individuals for their outstanding international work in ophthalmology. The candidate should preferably be aged 40 years or younger and actively involved in international activities that assist in the development of ophthalmology, particularly in relation to prevention of blindness, ophthalmic service, and research pertinent to major blinding conditions such as cataract, diabetic retinopathy, glaucoma, corneal grafting, keratomalacia, trachoma, and corneal ulcer.

Sanyam BAJIMAYA
MD, FVRS
Nepal

Dr Sanyam Bajimaya is a leading Cataract and Vitreo-retina Surgeon in Nepal. He is the current General Secretary and President-Elect (2022-24) of Nepal Vitreo-Retina Society (NVRS). He is a graduate of the 2017-2018 Leadership Development Program (LDP) of Asia-Pacific Vitreo-retina Society (APVRS) and a council member of APVRS (2017-2018). He has contributed as a Senior Consultant at the Tilganga Institute of Ophthalmology, Nepal (November 2010-April 2022). Dr Bajimaya is the founder and chairperson of Netradham Foundation in Nepal, which has initiated its cloud-based diabetic retinopathy screening from Lumbini, birthplace of Lord Buddha and government school screening from Kathmandu.

Emerging an ophthalmic career from developing countries like Nepal is a real challenge! Dr Bajimaya has come a long way and could be a role model for his fellow ophthalmologists in Nepal. He received his medical degree (MBBS-2001) from Chittagong Medical College, Bangladesh. He completed his residency training in Ophthalmology from Tribhuvan University, Kathmandu. He joined the Lumbini Eye Institute (LEI), Nepal in 2007, and later the Tilganga Institute of Ophthalmology in 2010, over which he completed his Vitreo-Retina fellowship training in 2012 from Tilganga's sister eye center, John Moran Eye Center, University of Utah, USA.

His special interests are Cataract, Vitreo-Retina, and Pediatric Retina. He has also received special trainings from national and international ophthalmology associations: Advanced Phaco training under leadership of Prof Junsuke Akura, Tottori University, Japan; Dr Hiroyuki Matsushima, Dokkoya Medical University, Japan at Himalaya Eye Hospital, Gharipatan, Pokhara; Phaco training program by Association for Ophthalmic Cooperation to Asia (AOCA), Japan; Management Training for Eye Care Program Managers at Lions Aravind Institute of Community Ophthalmology, Madurai; ORBIS Hospital Based Training Program with Prof Pravin U. Dugel, Retina Consultants of Arizona, USA at Tilganga Institute of Ophthalmology; and ICO Residency Program Directors Course.

While Tilganga is famous for her Himalayan Cataract Project (HCP), it has now moved to the vitreo-retina area and Dr Bajimaya has been making good contribution in terms of training and service over there. Moreover, for the last decade, Dr Bajimaya has been involved in many eye programs and allied with various local/international non-government agencies on screening for Diabetic Retinopathy (DR), Retinopathy of Prematurity (ROP) and Glaucoma. With support from the United States Agency for International Development (USAID) and Helen Keller international (HKI), he started Phase 1 and Phase 2

ROP program in Nepal. This ROP program has shown very effective use of tele-screening of premature babies from 6 major neonate intensive cares (NICU) and has helped diagnosing ROP before its progression to blinding stages.

Dr Bajimaya has started next tele-ophthalmology project under South Korean Yonsie University, which has involved establishment of digital information systems in community eye centers and use of artificial intelligence (AI) in diagnosis of diabetic retinopathy, age-related macular degeneration (AMD), and glaucoma. He has also involved in various research on Bhaktapur retina study, diabetic retinopathy study, retinopathy of prematurity program in Nepal.

Dr Bajimaya has trained more than 30 MD ophthalmology residents and more than 15 vitreo-retina fellows. He published more than 20 articles in peer-reviewed journals. He has also organized dozens of national conferences under Nepal Ophthalmic Society (NOS) and Nepal Vitrea-Retina Society. Dr Bajimaya is life member of Lions International and has been actively involved in performing surgical camps at remote districts of Nepal.

Nakajima Award Lecture: Tele-Ophthalmology and Artificial Intelligence in Developing Countries

Plenary Session I: 2023 APAO Named Awards Lectures
February 23, 2023
10:40-11:30
Plenary Hall (Level 1)

Nepal is a landlocked country in South Asia. Nationwide blindness survey in 1981 showed 0.84% of the population was blind. Survey in 2010, revealed prevalence of blindness 0.82% with significant reduction in cataract blindness but increasing pattern of blindness due to posterior segment diseases.

Currently, Nepal has 400 ophthalmologists, but two thirds of total districts of country do not have eye doctors. For the last one decade, various local/international non-government agencies are working on screening for diabetic retinopathy, retinopathy of prematurity (ROP) and glaucoma. Most of the screening modules have utilized portable/ or non-portable fundus camera. Currently, cloud-based screening by mid-level ophthalmic/health personals and grading by ophthalmologists from reading center has shown real component in diagnosis and management of sight threatening diseases.

Helen Keller International (HKI) supported Phase 1 and Phase 2 ROP program in Nepal; this has shown very effective use of tele-screening of premature babies from 6 major neonate intensive cares (NICU) and has helped diagnosing ROP before its progression to blinding stages. Hyundai Motor Chung Mong-Koo Foundation supported “on-dream blindness prevention program.” This has shown effective use of cloud-based community screening of cataract, glaucoma, diabetic retinopathy, and age-related macular degeneration. Machine learning by AI has shown clinically acceptable diagnostic performance in detecting many retinal diseases, in particular DR and ROP. The establishment of digital information system in rural community level and applying AI as a major element for early diagnosis and referral system has enhanced the comprehensive eye care model in developing countries.

DATO' DR S SELVARAJAH LECTURE

This named lecture was initiated by the MSO in commemoration of Dato' Dr S Selvarajah and his immense contributions to the field of Ophthalmology in Malaysia. The award recognizes outstanding contributions either regionally or internationally in the prevention of blindness and postgraduate training.

Prof Liza-Sharmini AHMAD TAJUDIN
MMed (Ophthal) (USM), PhD (UK)
Malaysia

Prof Liza-Sharmini Ahmad Tajudin developed the interest to be an ophthalmologist during her undergraduate days in Universiti Malaya (UM). Prof Liza-Sharmini was offered to pursue her dream by Universiti Sains Malaysia (USM) as a trainee lecturer in 1995. She then enrolled into the Master of Medicine in Ophthalmology as the pioneer batch in 1997. Upon completion of her training in 2002, she became the first female ophthalmologist in the Department of Ophthalmology, USM.

During her training, she noticed that the existing program in Malaysia needs to evolve to meet the aspiration of the nation and fulfill the international standard. The late Dato' S Selvarajah is among the earliest academicians in Malaysia who recognized the need to have a national structured training program. Prof Ahmad Tajudin with the formidable team from USM, UM, Universiti Kebangsaan Malaysia and Ministry of Health finally made it possible in 2004. Step by step and finally Malaysian Universities Conjoint Committee in Ophthalmology (MUCCO) was formed. Prof Ahmad Tajudin was appointed as secretary of MUCCO in 2005/2006 and the chairperson in 2015/2016.

Prof Ahmad Tajudin further took the initiative to provide a good platform for trainees to present their research findings, gain new knowledge and collaborate. Through another collaborative effort, conjoint ophthalmology scientific conference (COSC) was initiated in 2011. Currently, COSC has become annual event in Malaysia and even collaborates with international societies.

She was indecisive initially on the path of her subspecialty. Later, she decided to subspecialize in glaucoma and pursue her PhD in genetics of glaucoma. Prof Paul Foster was her supervisor during her study in Institute of Ophthalmology, United Kingdom in 2007-2010. Upon completion of her PhD degree, she helped to strengthen the research in ophthalmology in Malaysia. Prof Ahmad Tajudin has won many research grants internationally and nationally. To date, she has completed more than 20 research grants. She was also involved with collaborative projects, including with Prof Tin Aung from Singapore Research Eye Institute.

Her research projects concentrate on the clinical and genetic aspect of glaucoma, particularly on Malays. Currently, she engages in developing visual rehabilitation modules for navigation, mobilization and reading for patients with glaucoma. She has published numerous papers on glaucoma in peer reviewed journals and received more than 1,000 citations. Prof Ahmad Tajudin is currently the coordinator for USM Visual Science Research cluster. She has given numerous invited lectures and keynote address in national and international conferences. She is the founder and chief editor of Malaysian Journal of Ophthalmology (MyJO).

Prof Ahmad Tajudin is also active in various community projects as part of early detection and prevention of blindness in Malaysia. She has spearheaded to USM-Merican mobile eye screening service in 2018. This mobile service is part of USM community eye screening, a program that involved teaching and learning for undergraduate and postgraduate student in the community. She is also actively involved in various national and international societies. She is currently the vice president for Malaysian Glaucoma Society and a committee member of Malaysian Society of Ophthalmology (MSO). She is also an active member of Asia Pacific Glaucoma Society, Asia Pacific Ophthalmic Trauma Society and Global Eye Genetics Consortium. She is currently in fellowship standing committee for Asia Pacific Academy of Ophthalmology (APAO). She has also received Achievement Award from MSO and APAO for her contribution and leadership. She is currently the senate member and various other administrative posts in Universiti Sains Malaysia.

Dato' Dr S Selvarajah Lecture: Understanding the Unmet Needs of Patients with Glaucoma: Lifestyle, Psychological and Genetics

Plenary Session II: 2023 APAO and MSO Named Awards Lectures
February 24, 2023
16:30-17:30
Plenary Hall (Level 1)

Glaucoma is the second leading cause of blindness in the world, particularly in Asia. It is estimated that 118 million will be affected by glaucoma by 2040. Since glaucoma is the disease of longevity, glaucoma affects older adults.

Ophthalmologists are often focused on the treatment and progression of glaucoma. While the patients have different expectations and needs that are often neglected. They fear of being blind and to protect other family members from glaucoma. The role of genetics as risk predictor for development and progression will also be discussed.

Lifestyle modification, such as dietary changes, exercise and other behaviors including cigarette smoking, are among their concerns. There is inconclusive outcome on the effect of lifestyle modification in progression of glaucoma. Over the years, the concern on the quality of life (QoL) and psychosocial impact of glaucoma has been emphasized and included into many clinical practice guidelines. Similarly, various questionnaires have been developed to understand these unmet needs of patients with glaucoma. However, there is no further strategy to address this issue, especially in Asia. As the life expectancy is increasing and the family dynamic is changing in Asia, addressing happy aging is important. Happiness can slow down the progression of glaucoma.

APAO AWARDS

DISTINGUISHED SERVICE AWARDS

The Distinguished Service Awards are presented to ophthalmologists of APAO's member organizations for their distinguished service to improving ophthalmology in their countries or tariff territories.

Sayed AMINULLAH
Afghanistan

Adrian Tien-Chin FUNG
Australia

Ashraf SAYEED
Bangladesh

Kakada KAK
Cambodia

Xiaorong LI
China

Kuo-Chi WU
Chinese Taipei

Ian WONG
Hong Kong, China

Vivek DAVE
India

Takashi FUJIKADO
Japan

Raja Norliza RAJA OMAR
Malaysia

Munkhtsetseg TSERENDASH
Mongolia

Zaw Min AUNG
Myanmar

Meenu CHAUDHARY
Nepal

Ma. Dominga Cecilia B. PADILLA
Philippines

Sharon Lee Choon TOW
Singapore

John SZETU
Solomon Islands

Jae Young KIM
South Korea

Dushyantha WARIYAPOLA
Sri Lanka

Ngamkae RUANGVARAVATE
Thailand

Quynh TRINH
Viet Nam

OUTSTANDING SERVICE IN PREVENTION OF BLINDNESS AWARDS

The Outstanding Service in Prevention of Blindness Awards are given to individuals or organizations whose contributions are instrumental in prevention of blindness in the Asia-Pacific region.

Shir Mohammad AMIRZADA
Afghanistan

Stephanie WATSON
Australia

Md. Showkat KABIR
Bangladesh

Sopanhavatei SO
Cambodia

Jianhong LIANG
China

Sheng-Kang CHEN
Chinese Taipei

Shiu Ming Jimmy LAI
Hong Kong, China

Lalit VERMA
India

Goji TOMITA
Japan

Khairul Husnaini MOHD KHALID
Malaysia

Munkhtuya TSEGMID
Mongolia

Aung Kyaw WIN
Myanmar

Deep KARKI
Nepal

Roseny Mae SINGSON
Philippines

Shu Yen LEE
Singapore

Bon Sool KOO
South Korea

Nawaporn TAECHAMANEESATIT
Thailand

Viet Giap NGUYEN
Viet Nam

ACHIEVEMENT AWARDS

The APAO Achievement Award Program was established in 2008 to recognize individuals for their time and contribution to the scientific programs of the APAO Annual Congress.

SENIOR ACHIEVEMENT AWARDS

Robert ANG
Philippines

Soon-Phaik CHEE
Singapore

Mingguang HE
Australia

Santosh HONAVAR
India

Hussain KHAQAN
Pakistan

Kelvin Kam-Lung CHONG
Hong Kong, China

Charles MCGHEE
New Zealand

Jodhbir MEHTA
Singapore

Namrata SHARMA
India

Rohit SHETTY
India

Jeewan TITIYAL
India

Alvin YOUNG
Hong Kong, China

Hunter YUEN
Hong Kong, China

ACHIEVEMENT AWARDS

Sheetal BRAR
India

Nadeem BUTT
Pakistan

Poemen CHAN
Hong Kong, China

Robert CHANG
United States

Kuan-Jen CHEN
Chinese Taipei

Shih Jen CHEN
Chinese Taipei

May May CHOO
Malaysia

Vanissa CHOW
Hong Kong, China

Dipankar DAS
India

Madhuwanthi DISSANAYAKE
Sri Lanka

Mohit DOGRA
India

Jing FENG
China

Krati Shivkumar GUPTA
India

Suhas HALDIPURKAR
India

Surpriya HAWAIBAM
India

Yi-Ting HSIEH
Chinese Taipei

Makoto INOUE
Japan

Yunia IRAWATI
Indonesia

Tomoyuki KASHIMA
Japan

Nurliza KHALIDDIN
Malaysia

Connie Hong Yee LAI
Hong Kong, China

Mun Wai LEE
Malaysia

Shu Yen LEE
Singapore

Ian MORGAN
Australia

Mohammad MOSTAFA HOSSAIN
Bangladesh

Hon Shing ONG
Singapore

Lutz PILLUNAT
Germany

Virender Singh SANGWAN
India

Muhammad Bayu SASONGKO
Indonesia

Sunny SHEN
Singapore

Shwu-Jiuan SHEU
Chinese Taipei

Ratna SITOMPUL
Indonesia

Thandalam SURENDRAN
India

Kyungrim SUNG
Korea, Republic of

Rishi SWARUP
India

Visanee TANTISEVI
Thailand

Praveen VASHIST
India

Lihteh WU
Costa Rica

Pei-Chang WU
Chinese Taipei

Hee Kyung YANG
Korea, Republic of

Wilson Wai Kuen YIP
Hong Kong, China

Stephanie YOUNG
Singapore

Peiquan ZHAO
China

Somasheila MURTHY
India

Gaurav LUTHRA
India

BEST SCIENTIFIC PAPER AWARDS

The Best Scientific Paper Awards are presented to outstanding free paper abstract(s) in each of the clinical subspecialties in the submitted program.

Robert Edward T. ANG
Philippines

Maharani Kartika ANGGRAENI
Indonesia

Noel Ching-Yan CHAN
Hong Kong, China

Prithvi CHANDRAKANTH
India

Shih Jen CHEN
Chinese Taipei

Heeyoon CHO
Korea, Republic of

Juhi DAGA
India

Dipankar DAS
India

Venkata Prabhakar GUDURU
India

Akash Jeevan JAIN
India

Deepthi Elizabeth KURIAN
India

Yasuo KURIMOTO
Japan

Xin Ying LIM
Malaysia

Alicia Hoi Ying LIU
Hong Kong, China

Mudit TYAGI
India

Eka WAHYUNINGSIH
Indonesia

Siamak ZAREI-GHANAVATI
Iran, Islamic Republic of

Feihui ZHENG
Singapore

Jingyuan ZHU
China

TRAVEL GRANTS

APAO YASUO TANO TRAVEL GRANTS

The APAO Yasuo Tano Travel Grants were established in 2010 in memory of the late APAO President Professor Yasuo Tano to offer financial support for young ophthalmologists to attend the APAO Annual Congress.

Altantsetseg ALTANSUKH
Mongolia

Priya BAJGAI
Nepal

Ali FOROUHARI
Iran, Islamic Republic of

Chenda KIM
Cambodia

Yong LI
China

Jimmy Jarvis Gene LO
Philippines

Nizma PERMAISUARI
Indonesia

Manachaya PRUKAJORN
Thailand

Aishwarya RATHOD
India

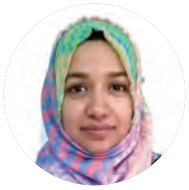
Kanchangouri SATPUTE
India

APAO YOUNG OPHTHALMOLOGISTS (YO) TRAVEL GRANTS

Initiated for the APAO 2020 Congress but interrupted by the pandemic, the APAO Young Ophthalmologists (YO) Travel Grants is launched for the 38th APAO Congress. YO Travel Grants are open to residents, trainees, or fellow ophthalmologists from a developing country and whose abstracts (Free Paper, Poster, ePoster, Video or Instruction Course) have been accepted by the APAO 2023 Scientific Program Committee.

Muhammad Aizuddin AHMAD
Malaysia

Rolika BANSAL
India



Farhana Afrin NIPA
Bangladesh

Alfia Fatma ZAHARO
Indonesia

Jing ZHONG
China

APAO 60TH ANNIVERSARY TRAVEL GRANTS

The APAO 60th Anniversary Travel Grants are offered to celebrate the special occasion and to support more ophthalmologists attending the Congress.

Lin FU
China

Kimhour LAY
Cambodia

Aashish PANT
Nepal

Irum RAZA
Pakistan

Arjun SRIRAMPUR
India

MALAYSIAN SOCIETY OF OPHTHALMOLOGY (MSO) - MYCEB TRAVEL GRANTS

The Malaysian Society of Ophthalmology (MSO), with support from the Malaysia Convention and Exhibition Bureau (MyCEB), is offering a limited number of grants to support and encourage delegates to attend the 38th APAO Congress in Kuala Lumpur, Malaysia.

Abdelaziz ABDELAAL
Egypt

Siti Nur Amira ABU KASSIM
Malaysia

Shew Fei CHEE
Malaysia

Pei Rong CHIUN
Malaysia

Su Huan CHONG
Malaysia

Samruddhi DANI
India

Saurabh DESHMUKH
India

Mariya DOCTOR
India

Zoraya Ariefia FERANTHY
Indonesia

Erdenezul GANTULGA
Mongolia

Ambreen GUL
Pakistan

Farah IBRAHIM
Singapore

Channdarith KITH
Cambodia

Suganthi KUMAR
Malaysia

Lakhani BASITALI
India

Chee Ming LEE
Chinese Taipei

Wen Yee LEE
Malaysia

Yuan Yuh LEONG
Singapore

Fenfen LI
China

Xulin LIAO
Hong Kong, China

Thiam Hou LIM
Malaysia

Nur Musfirah MAHMUD
Malaysia

Ashish MARKAN
India

Muhammad Ikmal MOHAMAD KAMIL
Malaysia

Azlina MOKHTAR
Malaysia

Noor Sarah Khor BINTI MUHAMMAD AZMI KHOR
Malaysia

Sidratul Muntaha NAZNIN
Bangladesh

Ker Hsin NG
Malaysia

Putri Claudya OCTAVIANI
Indonesia

Anil PARAJULI
Nepal

Daniel PHANG
Malaysia

Chanyanut PHLAIPHICHIT
Thailand

Josept Mari POBLETE
Philippines

Vanitha RATNALINGAM
Malaysia

Sree Shantha Kumaran S.MAGENDRAN
Malaysia

Thanendthire SANGAPILLAI
Malaysia

Randy SARAYAR
Indonesia

Woan Shian SEE
Malaysia

Suyi SIOW
Malaysia

Shaoying TAN
Hong Kong, China

Ting Fang TAN
Singapore

Hun Heng TAN
Malaysia

Shi–Ying, Michele TEY
Malaysia

Eka Rahmawati WAHYUNINGSIH
Indonesia

Yong Zheng WAI
Malaysia

Wan Dalila WAN HAZMY
Malaysia

Wan Radziah WAN NAWANG
Malaysia

Tri WINARTI
Indonesia

Wilson WONG
Malaysia

Aaron YAP
New Zealand

LDP

APAO Leadership Development Program

Are you looking for a way to advance your career?
Do you want to learn how to think strategically like a leader?
Do you know how to inspire others for better collaboration?
Join the APAO LDP Class
to build up your leadership and teamwork skills!

What we offer

- Orientation Class at the APAO Congress
- Mid-year Master Class organized by one of APAO National Member Societies in their country
- Graduating Class at following APAO Congress to present a self-initiated LDP Project
- Networking with APAO LDP Alumni
- Chance to join the APAO Standing Committees

We are looking for

- A visionary future leader with passion and determination to serve the profession and society at large.
- A qualified eye doctor.
- Highly proficient in English.
- Preferably younger than age 50.

How to Apply?

Application is accepted by nomination from APAO member societies only.

APAO Member Societies can be found at:

- National Member Societies: http://www.apaophth.org/members/national/
- Subspecialty Member Societies: http://www.apaophth.org/members/subspecialty/

Stay tuned for next call for application!

https://apaophth.org/apao-ldp/

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APAO

Asia-Pacific Eye Care Week

The Asia-Pacific Eye Care Week is an initiative to raise public awareness about eye care and eye health in the region. To that end, member societies are invited to organize various activities, which may include:

- *Organize a screening event in your local institute / hospital*
- *Give lectures to patient support groups / the general public*
- *Participate in radio and TV shows to talk about any eye diseases and to answer questions*
- *Contact newspapers to publish information about eye care, eye health and/or any eye diseases*

PLENARY SESSIONS

FEB 23, 2023 (THU)

Plenary Session I: 2023 APAO Named Awards Lectures

10:40 - 11:30 **Venue: PLENARY HALL (Level 1)**
*Chair(s): Ava **HOSSAIN**, Makoto **AIHARA,** Manoharan **SHUNMUGAM***

10:40 Nakajima Award Lecture:
Tele-Ophthalmology and Artificial Intelligence in Developing Countries
*Sanyam **BAJIMAYA***

11:00 Holmes Lecture: The Third Epidemic of ROP
*Muhammad **MOIN***

FEB 24, 2023 (FRI)

Plenary Session II: 2023 APAO and MSO Named Awards Lectures

16:30 - 17:30 **Venue: PLENARY HALL (Level 1)**
*Chair(s): Kenneth **FONG**, Ningli **WANG**, Tin **AUNG***

16:30 Jose Rizal Medal Lecture: Pathologic Myopia
*Kyoko **OHNO-MATSUI***

16:50 ICO Golden Apple Award Lecture:
Towards an Equitable and Inclusive Vision: Incorporating Social Determinants of Health in Medical Education in Bangladesh
*A.H.M.Enayet **HUSSAIN***

17:10 Dato' Dr S Selvarajah Lecture:
Understanding the Unmet Needs of Patients With Glaucoma: Lifestyle, Psychological and Genetics
*Liza-Sharmini **AHMAD TAJUDIN***

INVITED SYMPOSIUMS

FEB 23, 2023 (THU)

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology

Artificial Intelligence and Big Data Analytics in Ophthalmology for Global Eye Health: Opportunities and Challenges

AI is an important tool for global eye health. In this session, the world's experts will highlight the important global eye health-related activities that different international agencies and countries will have synergies with AI and digital innovation.

09:00 - 10:30 **Venue: PLENARY THEATRE (Level 3)**
*Chair(s): R.V. Paul **CHAN**, Mohamad Aziz **SALOWI**, Jude **STERN***

09:00 IAPB Technology Taskforce Framework for AI and Big Data in Global Eye Health
*Jude **STERN***

09:10 Big Data Analytics for Cataract Outcome Monitoring: Opportunities
*Mohamad Aziz **SALOWI***

09:20 The Opportunities and Challenges in Using Innovative AR/VR in Global Eye Settings
*Linda **LAM***

09:30 The Opportunities of AI ROP Screening in Global Eye Settings
*R.V. Paul **CHAN***

09:40 Computer-Aided Detection of Retinopathy of Prematurity Severity in Preterm Infants via Measurement of Temporal Vessel Width and Angle
*Wei-Chi **WU***

09:50 The Opportunities and Challenges in Screening for Myopia in Global Eye Settings
*Marcus **ANG***

10:00 AI and Big Data Analytics in Ophthalmology: Opportunities and Challenges
*Michael **CHIANG***

Cataract and Cataract Surgery

Presbyopia-Correcting IOLs

The correction of presbyopia is often regarded as the Holy Grail of ophthalmology and yet the use of intraocular lenses (IOLs) to correct presbyopia is still not commonly practiced. The IOL landscape is evolving rapidly, and this symposium brings insight into options available and how to deliver them successfully to our patients.

14:30 - 16:00 **Venue: PLENARY HALL (Level 1)**
*Chair(s): Fook-Meng **CHEONG**, Uday **DEVGAN**, Hungwon **TCHAH***

14:30 Overview of Presbyopia-Correcting IOLs
*Uday **DEVGAN***

14:40 A New Adjustable IOL
*Ruth **LAPID-GORTZAK***

14:50 LensGen Juvene IOL
*Uday **DEVGAN***

15:00 Add-on Presbyopia-Correcting IOLs
*Omid **KERMANI***

15:10 Patient Satisfaction With Multifocal IOLs
*Khairidzan **KAMAL***

15:20 Application of EDOF IOL
*Ji Eun **LEE***

15:30 Accommodating IOLs
*Jorge **ALIO***

Indications and Approaches to Alternative Fixation When an IOL Can't Be Placed in the Bag

When faced with a scenario where the capsular bag is compromised, the cataract surgeon must have at his/her disposal, various techniques to insert an IOL safely into the eye. This panel of speakers will share their expertise and provide tips and pearls to deal with these challenging situations.

16:30 - 18:00 **Venue: PLENARY HALL (Level 1)**
*Chair(s): Y.C. **LEE**, Kevin **MILLER**, Alvin **YOUNG***

16:30 Passive Sulcus Placement With or Without Optic Capture
*Yean-Yaw **CHOONG***

16:40 Sulcus Placement With Scleral Suture Haptic Fixation
*Gregg **KOKAME MD MMM FASRS***

16:50 A Newly-Designed A-type Suture Technique for the Management of IOL Tilt
*Jae Yong **KIM***

17:00 Dealing With Wobbly, White or Subluxated Cataracts
*Charles **MCGHEE***

17:10 Artisan IOL With Iris Fixation (Retropupillary vs Anterior)
*Wee Min **TEH***

17:20 Alternative Fixation of IOLS
*Mehran **ZAREI GHANAVATI***

17:30 Horizontal Micropunch in Piercing 4Flanged Technique for Single Piece IOL
*Durval **CARVALHO JR**.*

Cornea, External Eye Diseases and Eye Banking

Updates on Infectious Keratitis

Infectious keratitis remains a major cause of corneal blindness in the Asian region. This symposium will provide the participants on the latest updates on the epidemiology, etiology, diagnosis and management of this challenging condition delivered by top experts of the field.

09:00 - 10:30 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): Rohanah **ALIAS**, Ruben **LIM BON SIONG**, Vilavun **PUANGSRICHARERN***

09:00 Lessons Learned From the ACS Infectious Keratitis Study
*Donald **TAN***

09:10 Novel Treatment for Fungal Keratitis
*Namrata **SHARMA***

09:20 Herpes Simplex Virus Keratitis: What's New?
*Siti Nor Roha **DAMAN HURI***

09:30 Cytomegalovirus Endotheliitis Update
*Ka Wai **KAM***

09:40 Diagnosis of Atypical Keratitis
*Fung-Rong **HU***

09:50 Antimicrobial Drug Resistance: What's New on the Horizon
*Prashant **GARG***

Asian Eye Banking - Experiences and Challenges

Eye banking in Asia is facing yet another challenge after the COVID-19 pandemic. From emerging from COVID-19, optimizing usage of donor corneas in multiple patients to developing bioengineered corneas, this symposium hopes to shed light on how surgeons and eye banks from around the world can help eliminate cornea blindness amidst the shortage of donor corneas.

14:30 - 16:00 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Vanissa **CHOW**, Ma.Dominga Cecilia **PADILLA**, Thiageswari **UMAPATHY***

14:30 Impact of COVID-19 on Corneal Donation and Transplantation in Asia
*Marcus **ANG***

14:40 Reviving the Philippine Eye Banking System While Emerging From the COVID-19 Pandemic
*Ma.Dominga Cecilia **PADILLA***

14:50 Eye Banking in the Post-pandemic Era: Lessons Learned
*Namrata **SHARMA***

15:00 International Trends in Eye Banking
*Fasika **WORETA***

15:10 Multiple Use of Corneal-Scleral Tissue: Issues and Dilemma
*Mohtar **IBRAHIM***

15:20 Dual-purpose Donor Cornea for Separate Anterior Lamellar and Endothelial Keratoplasty
*Season **YEUNG***

15:30 Bioengineered Eye Tissue
*Gerard **SUTTON***

ADES Symposium: Update in Diagnosis and Treatment of Dry Eye

This specially designed session is co-sponsored by APAO and Asia Dry Eye Society. Currently, dry eye becomes the most prevalent ocular surface disease in Asia, yet without effective cures. However, accurate diagnosis and targeted treatments could better alleviate the discomfort of patients. Therefore, specialists are invited to introduce pathological basis and newly developed treatment strategies for dry eye.

16:30 - 18:00 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Zuguo **LIU**, Hon Shing **ONG**, Lai **YIN PENG***

16:30 Dry Eye: A Lifestyle Disorder
*Kazuo **TSUBOTA***

16:40 Current Updates in TFOD and TFOT – A 'Layer-by-Layer' Diagnosis and Therapy for Dry Eye
*Norihiko **YOKOI***

16:50 Cord Plasma Eyedrop Treatment for Recalcitrant Dry Eye
*Louis **TONG***

17:00 Sleep Disorder Related Ocular Surface Changes
*Wei **LI***

17:10 Iatrogenic Dry Eye
*Vilavun **PUANGSRICHARERN***

17:20 Mesenchymal Stem Cell-Derived Exosomes as Immunomodulatory Therapy for the Ocular Surface
*Hon Shing **ONG***

Evolving Academia, Research, Teaching and Education in Ophthalmology

Surgical Training Essentials

Ophthalmology training programs must produce competent surgeons. This session will describe the best practices in surgical education including simulation, teaching during live surgery, non-technical surgical skills and assessing surgical competence.

09:00 - 10:30 **Venue: MEETING ROOMS 406-407 (Level 4)**
*Chair(s): Muhammad **MOIN**, An-Guor **WANG**, Nurliza **KHALIDDIN***

09:00 Low Tech Simulation
*Muhammad **MOIN***

09:10 High Tech Simulation
*Anthony Vipin **DAS***

09:20 Teaching in the OR/OT
*Eduardo **MAYORGA***

09:30 Assessing Surgical Competence
*Karl **GOLNIK***

09:40 Non-technical Surgical Skills
*Ana **PALIS***

09:50 Improving a Societal Surgical Curriculum – The MUCCO Experience
*Nurliza **KHALIDDIN***

Glaucoma and Glaucoma Surgery

APAO-AAO Joint Symposium: Glaucoma

This joint APAO-AAO symposium promises to be an exciting session of "East meets West." Eminent speakers from both sides of the Pacific will discuss and debate similarities and differences between epidemiology, surgical outcomes of tubes and trabeculectomy, and effectiveness of glaucoma screening, in Asia and America.

09:00 - 10:30 **Venue: PLENARY HALL (Level 1)**
*Chair(s): Daniel **BRICELAND**, Norlina **RAMLI**, Clement **THAM***

09:00 Glaucoma Epidemiology – Asia-Pacific Perspective
*Yuanbo **LIANG***

09:08 Glaucoma Epidemiology – North American Perspective
*Shan **LIN***

09:18 Role of Glaucoma Implants – Asia-Pacific Perspective
*Virna **ASRORY***

09:26 Role of Glaucoma Implants – North American Perspective
*Andrew **IWACH***

09:34 Role of Trabeculectomy – Asia-Pacific Perspective
*Ching Lin **HO***

09:42 Role of Trabeculectomy – North American Perspective
*Ahmad **AREF***

09:50 Is There Any Role for Glaucoma Screening? – Asia-Pacific Perspective
*Carol **CHEUNG***

10:05 Is There Any Role for Glaucoma Screening? – North American Perspective
*Sophia **WANG***

Internal Drainage Surgery for Glaucoma

This session will cover most of the common internal drainage surgery for glaucoma, including their indications, pros and cons, economics and managing expectations for each procedure.

14:30 - 16:00 **Venue: CONFERENCE HALL 2 (Level 3)**
*Chair(s): Colin **CLEMENT**, Norshamsiah Md **DIN**, Mohd Aziz **HUSNI***

14:30 120-240-360 Degree Goniotomy
*Xiulan **ZHANG***

14:40 Excisional Goniotomy vs Trabecular Microbypass for POAG
*Syril **DORAIRAJ***

14:50 iStent in PACG: Is There an Additional Effect?
*Chelvin **SNG***

15:00 Goniotomy in POAG: One or Two Sites?
*Masaki **TANITO***

15:10 Goniowash in Pseudoexfoliative Disease
*Ch'ng **TUNWANG***

15:20 Ethics and Economics for MIGS in Asia
*Neha **MIDHA***

15:30 Can Xen/ Preserflo Replace Trabeculectomy?
*Nathan **KERR***

15:40 Where Does MIGS Fit Better
*Chungkwon **YOO***

Intraocular Inflammation, Uveitis and Scleritis

Challenging Uveitis Case Presentation – Diagnosis and Management

This symposium brings together a potpourri of interesting and challenging uveitis cases from the Asia-Pacific region. The cases highlighted would include a spectrum of common adult and pediatric uveitis scenarios presenting to an ophthalmology clinic. The speakers will share their invaluable experiences on the approach to the diagnosis and management of these challenging cases while highlighting relevant pearls and possible pitfalls as learning points. Each case will be followed by a short but meaningful discussion from the expert panel.

09:00 - 10:30 **Venue: MEETING ROOMS 401-402 (Level 4)**

*Chair(s): John **GONZALES**, Lyndell **LIM**, Shelina **OLI MOHAMED***

09:00 Case 1: Adult Infectious Posterior/ Panuveitis
*May **WIN***

09:12 Case 2: Adult Non-infectious Posterior/ Panuveitis on Immunosuppressants/ Biologics
*Shaheeda **MOHAMED***

09:24 Case 3: Pediatric Infectious Uveitis
*Somsiri **SUKAVATCHARIN***

09:36 Case 4: Pediatric Non-infectious Posterior/ Panuveitis on Immunosuppressants/ Biologics
*Sophia **ZAGORA***

09:48 Case 5: Infectious Necrotising Scleritis – Challenge in Diagnosis and Management
*Somasheila **MURTHY***

10:00 Case 6: Non-infectious Necrotising Scleritis With Biologics/ Immunosuppressants
*Wan Norliza **WAN MUDA***

Infectious Uveitis Prevalent in Asia-Pacific Region

Infections remain an important cause of uveitis in the Asia-Pacific region. The diagnosis and treatment of the infection and the associated immune response can be challenging. Fortunately, we now have consistent clinical and laboratory biomarkers which aid in the identification of the etiology, so that prompt treatment can be initiated as early as possible. Tuberculosis, toxoplasmosis, syphilis, and viral infections are the common encountered infections in our practice. The aim of this session is to familiarize the audience with recent advances in various clinical and laboratory biomarkers for early diagnosis and appropriate management of these infections.

14:30 - 16:00 **Venue: MEETING ROOMS 401-402 (Level 4)**

*Chair(s): Tajunisah **IQBAL**, Kalpana **MURTHY**, Shelina **OLI MOHAMED***

14:30 Viral Anterior Uveitis: Recent Advances in Diagnosis and Management
*Soon-Phaik **CHEE***

14:45 Ocular Tuberculosis: Lessons Learnt in the Diagnosis and Management
*Aniruddha **AGARWAL***

15:00 Ocular Toxoplasmosis: Current Trends and Recent Advances in Diagnosis and Management
*Avinash **PATHENGAY***

15:15 Clinical Manifestations and Outcomes of Ocular Syphilis
*Mudit **TYAGI***

15:30 Herpetic Retinitis-Diagnosis and Management
*Brian **TOY***

15:45 The Deadly Trio: "Dengue, Chikungunya & COVID-19": Spectrum of Presentations & Management
*Padmamalini **MAHENDRADAS***

Evolving Treatments of Non-Infectious Uveitis

This symposium aims to explore the current landscape of systemic treatments for non-infectious uveitis, both in adults and pediatrics, including systemic immunomodulatory therapies in developing countries and the COVID-19 era, TNF-α inhibitors, the emerging biologics and the new therapeutic approach based on targeting relevant immunological pathways involved in disease pathogenesis.

16:30 - 18:00 **Venue: MEETING ROOMS 401-402 (Level 4)**

*Chair(s): Tara **GEORGE**, Jyotirmay **BISWAS**, Shwu-Jiuan **SHEU***

16:30 Systemic Immunosuppressive Therapies for Uveitis in Developing Countries
*Rathinam **SIVAKUMAR***

16:45 Evolving Consensus for Immunomodulatory Therapy in Non-infectious Uveitis
*Shwu-Jiuan **SHEU***

17:00 Biologics for Children
*John **GONZALES***

17:15 Treating Non-infectious Uveitis in COVID Era
*Padmamalini **MAHENDRADAS***

17:30 Emerging Biologics for Non-infectious Uveitis
*Quan Dong **NGUYEN***

17:45 IL-23/IL-17 Pathway in the Pathogenesis of Uveitis
*Peizeng **YANG***

Miscellaneous

APAO Leadership Development Program (LDP) 2023-24 Orientation Class 1

Open to APAO LDP Class 2023-24 participants only.

16:30 - 18:00 **Venue: MEETING ROOMS 302-303 (Level 3)**
*Chair(s): Madhuwanthi **DISSANAYAKE**, Muhammad **MOIN**, Sherman **VALERO***

16:30 Introduction of the APAO LDP
*Shaheeda **MOHAMED***

16:40 Welcome by APAO 2023 Congress President
*Kenneth **FONG***

16:45 Welcome by APAO Secretary-General
*Clement **THAM***

16:50 International Linkages in Leadership
*Daniel **BRICELAND***

17:00 APAO LDP Program Learning Objectives and Requirements
*Muhammad **MOIN***

17:10 SWOT Analysis
*Linda **TSAI***

17:20 Participants Introduction and Group Discussion
Vivek DAVE, Madhuwanthi DISSANAYAKE, Sherman VALERO

17:50 LDP Quiz
*Muhammad **MOIN***

Neuro-Ophthalmology

New Advances in Neuro-Ophthalmology

Want to know about the latest developments in the field of neuro-ophthalmology? Come to this symposium to learn the recent updates in the management of optic neuritis, neuromyelitis optica, thyroid eye disease, giant cell arteritis and Leber Hereditary Optic Neuropathy (LHON). In addition, the application of artificial intelligence and optical coherence tomography in neuro-ophthalmology will also be discussed.

16:30 - 18:00 **Venue: MEETING ROOMS 304-305 (Level 3)**
*Chair(s): Wanicha **CHUENKONGKAEW**, Karl **GOLNIK**, Nor Fadhilah **MOHAMAD***

16:30 AI in Neuro-Ophthalmology- Changing the Future
*Dan **MILEA***

16:45 What's New in the Management of LHON
*An-Guor **WANG***

17:00 What's New in the Management of Optic Neuritis and Neuromyelitis Optica
*Quangang **XU***

17:15 What's New in the Management of Thyroid Eye Disease?
*Karl **GOLNIK***

17:30 OCT in Neuro-Ophthalmology- What's New?
*Carmen **CHAN***

17:45 What's New in the Management of Giant Cell Arteritis?
*Ambika **SELVAKUMAR***

Ocular Imaging

What's New in Ocular Imaging?

The session will cover the recent updates in ocular imaging by experts in each field of subspecialty of ophthalmology, which include ocular biomechanics, myopic maculopathy, glaucoma, posterior vitreous and staphyloma, and pediatric eye disease.

09:00 - 10:30 **Venue: MEETING ROOMS 304-305 (Level 3)**
*Chair(s): Shatriah **ISMAIL**, Ki Ho **PARK**, Simon **SZETO***

09:00 Imaging to Assess Ocular Biomechanics
*Michael **GIRARD***

09:10 Imaging for Myopic Maculopathy
*Zunaina **EMBONG***

09:20 Imaging for Early Detection of Glaucoma
*Ki Ho **PARK***

09:30 Imaging for Posterior Vitreous and Staphyloma
*Tzyy-Chang **HO***

09:40 Imaging for Cerebrospinal Fluid Dynamics in Optic Nerve
*Ningli **WANG***

09:50 Imaging in Pediatric Eye Disease
*Komal **AGARWAL***

Real-World Applications of Posterior Segment Imaging

This session will be a practical guide on the application of posterior segment imaging in commonly encountered clinical scenarios. It will be aimed at the general ophthalmologist as well as those in their initial stages of specialization. Indication and interpretation of images will be discussed, with Q&A afterwards.

14:30 - 16:00 **Venue: MEETING ROOMS 304-305 (Level 3)**
*Chair(s): Rahat **HUSAIN**, Aidila Jesmin **JABBARI**, Paisan **RUAMVIBOONSUK***

14:30 Imaging in Diabetic Maculopathy
*Paisan **RUAMVIBOONSUK***

14:45 Imaging in Age-Related Macular Degeneration
*Timothy **LAI***

15:00 Imaging in Pachychoroid and Other Choroidal Diseases
*Jay **CHHABLANI***

15:15 Imaging in Uveitis
*Lyndell **LIM***

15:30 Imaging in Glaucoma
*Tae Woo **KIM***

15:45 Ultrawide Field Imaging for Intraocular Tumors
*Duangnate **ROJANAPORN***

Ocular Oncology and Pathology

Retinoblastoma in 2023

Retinoblastoma is a leading cause of blindness and death in children worldwide, although effective treatments are becoming available. New treatment approaches will be discussed, as well as the role of analyzing tissues or ocular fluid.

09:00 - 10:30 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Jamalia **RAHMAT**, Rita **S SITORUS**, Arun **SINGH***

09:00 Retinoblastoma in 2023 — What Do We Do Differently?
*Ralph **EAGLE***

09:10 Retinoblastoma Research: From Bench to Bedside
*Duangnate **ROJANAPORN***

09:20 IAC in Retinoblastoma: Our Experience and Limitations in a Developing Country
*Norhafizah **HAMZAH***

09:30 Managing Extraocular Retinoblastoma — Lessons Learnt
*Bhavna **CHAWLA***

09:40 New Paradigm in Oncologic Properties of Retinoblastoma Gene
*Wai Kit **CHU***

09:50 Towards Precision Medicine: Analysis of Acquoes Humor in Retinoblastoma
*Jianhong **LIANG***

10:00 Breaking the Barriers in Retinoblastoma Treament
*Rita **S SITORUS***

10:10 Re-evaluation of High Risk Factors on Prognosis of Retinoblastoma
*Renbing **JIA***

Uveal Melanoma: Are We There Yet?

Uveal melanoma is a malignancy with different characteristics in different parts of the world. Treatment of the tumor in the eye is important to save vision, but knowledge about the development of metastases may help to save the patient's life. New developments will be discussed on how to better treat the intraocular tumor and how to assess survival chances.

14:30 - 16:00 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Roslin Azni **ABDUL AZIZ**, Jan-Willem **BEENAKKER**, Heinrich **HEIMANN***

14:30 Treating UM With Proton Beam Without Preplaced Fiducial Markers
*Hung Da **CHOU***

14:40 Treat Planning in UM Using MRI
*Jan-Willem **BEENAKKER***

14:50 Intraocular Tumors Masquerading As Inflammation
*Ralph **EAGLE***

15:00 Eye Colour and Tumour Pigmentation Affect Prognostication in Uveal Melanoma
*Martine **JAGER***

15:10 Characteristics of Uveal Melanoma Patients in Asia
*Fairooz Puthiyapurayil **MANJANDAVIDA***

15:20 Tissue Biopsies in Uveal Melanoma – Techniques, Outcomes and Complications
*Heinrich **HEIMANN***

15:30 Liquid Biopsies in Uveal Melanoma
*Emine **KILIC***

15:40 Predicting Survival in Uveal Melanoma
*Arun **SINGH***

Ocular Surface and Orbit

Ocular surface malignancies are common and can create havoc if identified late. Recent advances will be discussed. Furthermore, orbital lesions are a challenge and may be due to many different causes, leading to challenging differential diagnoses. This session provides information from world experts on what to do.

16:30 - 18:00 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Santosh **HONAVAR**, Norlaila **TALIB**, Robert **VERDIJK***

16:30 Conjunctival Melanocytic Lesions
Sarah ***COUPLAND***

16:40 Potential for Molecular Testing in Prognostication of Conjunctival Melanoma
Robert ***VERDIJK***

16:50 Recent Advances in OSSN
Raksha ***RAO***

17:00 Application of Flow Cytometry in Ocular Adnexal Diffuse Large B-Cell Lymphoma
Satoru ***KASE***

17:10 Orbital Lymphoma
Jianmin ***MA***

17:20 Minimal Intervention Orbital Surgeries
Santosh ***HONAVAR***

17:30 Risk Factors and Staging in Rhino-Orbital Cerebral Mucormycosis
Rolika ***BANSAL***

Ophthalmic Epidemiology and Prevention of Blindness

Strategic Challenges for Prevention of Blindness: Country Experience

Challenges are dynamic and vary due to the local culture or beliefs and socioeconomic and geographical makeup. This session provides a platform for the countries to share the best practices and their experiences in implementing strategies to prevent blindness in their countries.

16:30 - 18:00 **Venue: MEETING ROOMS 406-407 (Level 4)**
Chair(s): Shuaibah ***AB GHANI****, Ava* ***HOSSAIN****, Erin* ***SHRIVER***

16:30 Changing Challenges in the Control of Blindness in WHO South-East Asia Countries
Taraprasad ***DAS***

16:40 Eye Health Promotion and Prevention of Blindness: Where We Are and Where We Are Going
Erin ***SHRIVER***

16:50 Strategic Challenge in Prevention of Blindness: Nepal Experience
Sailesh ***MISHRA***

17:00 Social Barriers and Gender Inequities in Blindness Prevention
Rajvardhan ***AZAD***

17:10 Changing Epidemiology of the Causes of Childhood Blindness
Ningli ***WANG***

17:20 Role of Primary Eye Health Care and Community Engagement in Preventing Blindness
Ava ***HOSSAIN***

17:30 Ensure Healthy Vision: Improving Sight and Quality of Life in Underserved Communities
Hugh ***TAYLOR***

Pediatric Ophthalmology and Strabismus

Challenges and Strategies to Reduce Burden of ROP Blindness – Asia Pacific Perspective

Retinopathy of prematurity (ROP) is a leading cause of childhood visual impairment worldwide in both developing and developed countries. The incidence of ROP is on the rise due to improved survival rate of low-birth-weight infants in the emerging economies. This symposium attempts to highlight current challenges in ROP care and some of the novel approaches in ROP screening and treatment, including an update on the most recent ICROP guideline. Seven ROP experts will provide attendees with valuable insights on the current knowledge of ROP management, from ROP screening, telemedicine, the use of anti-VEGF treatment and clinical implications of the newly published ICROP 3rd edition.

14:30 - 16:00 **Venue: PLENARY THEATRE (Level 3)**
Chair(s): Michael ***CHIANG****, Shuan* ***DAI****, Manoharan* ***SHUNMUGAM***

14:30 Update on Anti VEGF in ROP Treatment
Rajvardhan ***AZAD***

14:40 ROP Screening and Treatment in Malaysia
May-May ***CHOO***

14:50 Non-contact Smartphone-Based Fundus Imaging Compared to Conventional Fundus Imaging: A Low-Cost Alternative for Retinopathy of Prematurity Screening and Documentation
Wei-Chi ***WU***

15:00 ROP Screening and Treatment in Hong Kong and Macau
Connie ***LAI***

15:10 Surgical Treatment for Stage 4 and 5 ROP
Peiquan ***ZHAO***

15:20 ROP Related Viusal Impairment in New Zealand
Cheefoong ***CHONG***

15:30 ICROP 3rd Edition: Implication for Clinical Practice
Michael ***CHIANG***

Prevention, Management and Burden of Childhood Myopia –2023 Updates

The childhood myopia session will include the epidemiology of childhood myopia, the effect of COVID-19, precision medicine for myopia, role of atropine and outdoor interventions, as well as the prediction of pathologic burden.

16:30 - 18:00 **Venue: PLENARY THEATRE (Level 3)**
*Chair(s): Safinaz **MOHD KHIALDIN**, Seang Mei **SAW**, Jason **YAM***

16:30 The Current and Future Epidemic of Childhood Myopia in China
*Weizhong **LAN***

16:40 Different Mechanistic Effects of Outdoor on Emmetropization
*Ian **MORGAN***

16:50 The COVID-19 Pandemic and Effects on Myopia in Children
*Kathryn **ROSE***

17:00 Childhood Predictive Factors of High Myopia
*Seang Mei **SAW***

17:10 Management of Childhood Myopia With Atropine Eyedrops
*Jason **YAM***

17:20 Effective Community Outdoor Interventions for Childhood Myopia
*Pei-Chang **WU***

17:30 Early Pre-pathologic Myopia Lesions in Childhood
*Kyoko **OHNO-MATSUI***

17:40 Long-term Complications of Childhood High Myopia
*Quan **HOANG***

Refractive Surgery

Current Refractive Surgery Procedures: Which Is Better, LASIK, Refractive Lenticule Extraction, Surface Ablation or Phakic Lenses?

This symposium will be a debate about which current refractive procedure is the best. Speakers will highlight the advantages of the various refractive surgery procedures while discussing the disadvantages of other procedures. A speaker will provide a summary at the end of the debate.

09:00 - 10:30 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Yuen **LEONARD**, Miswanudin **MAHYUDIN**, Mohamad **ROSMAN***

09:00 Surface Ablation Is Better
*Yuen **LEONARD***

09:15 LASIK Is Better
*Vannarut **SATITPITAKUL***

09:30 Refractive Lenticule Extraction Is Better
*Sheetal **BRAR***

09:45 Phakic Intraocular Lens Is Better
*Yee Fong **CHOONG***

10:00 Practical Considerations on Choosing the Appropriate Surgery for the Patient
*Mohamad **ROSMAN***

Retina (Medical)

Mystery Retina

This session encompasses presentations on diagnostically challenging retinal cases. Except for the presenter, the cases have not been seen by other participants. Multimodal imaging will be employed for each case dependent upon the diagnosis. The cases will be discussed in detail with audience participation welcome. Anticipate a lively interactive session.

09:00 - 10:30 **Venue: CONFERENCE HALL 2 (Level 3)**
*Chair(s): Youxin **CHEN**, William **MIELER**, Rajasudha **SAWRI RAJAN***

09:00 Mystery Retina Case 1
*William **MIELER***

09:05 Mystery Retina Case 2
*Xiaodong **SUN***

09:10 Mystery Retina Case 3
*Suber **HUANG***

09:15 Mystery Retina Case 4
*Youxin **CHEN***

09:20 Mystery Retina Case 5
*Nor Azita **AHMAD TARMIDZI***

09:25 Mystery Retina Case 6
*Colin **TAN***

09:30 Mystery Retina Case 7
*Anna **TAN***

09:35 Mystery Retina Case 8
*Mali **OKADA***

09:40 Mystery Retina Case 9
*Mahesh **GOPALAKRISHNAN***

09:45 Mystery Retina Case 10
*TY Alvin **LIU***

Hot Topics in Retinal Diseases

Hot topics in retinal diseases include the role of biosimilars in retinal disease, anti-VEGF choices for macular edema from retinal vein occlusion, OCT angiography, the growing global burden of retinal

diseases, and results of recent randomized clinical trials in DME and in neovascular AMD using 8-mg aflibercept.

16:30 - 18:00 **Venue: CONFERENCE HALL 2 (Level 3)**
*Chair(s): Amelia **LIM**, William **MIELER**, Se Joon **WOO***

16:30 Anti-VEGF Choices in Retinal Vein Occlusion
*Sobha **SIVAPRASAD***

16:45 Utility of OCT Angiography in Retina
*Dawei **YANG***

17:00 Growing Global Burden of Retinal Diseases
*Mingguang **HE***

17:15 8mg Aflibercept for DME (1y Results From PHOTON)
*Taiji **SAKAMOTO***

17:30 Common Misconceptions on Managing DME in the Presence of PDR
*Jun **KONG***

17:45 Biosimilars for Retinal Disease
*Susan **BRESSLER***

Retina (Surgical)

Latest Advances in Surgical Retina

This session will cover the latest technologies, surgical techniques, and ideas in vitreoretinal surgery.

14:30 - 16:00 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): Mae-Lynn Catherine **BASTION**, Suber **HUANG**, Chung-May **YANG***

14:30 Vitreous Substitutes – New Approaches to RD Repair
*Xinyi **SU***

14:37 Neurosensory Retinal Graft for Complicated Macular Diseases
*Chung-May **YANG***

14:44 Surgical Technique, Pearls, and Pitfalls of Sub-retinal Gene Therapy
*Ta-Ching **CHEN***

14:51 Autologous Retinal Transplantation for Macular Atrophy
*Makoto **INOUE***

14:58 VR Surgery for Advanced Tractional and Combined Retinal Detachment
*Rajiv **RAMAN***

15:05 Meta-analysis of Macular Hole Repair Techniques – Where Do We Stand
*Sanjita **SHARMA***

15:12 View Is Paramount – Techniques and Evaluating 3D Visualization Systems
*Mae-Lynn Catherine **BASTION***

15:19 Gene Therapy Surgical Technique – Pearls and Pitfalls
*Joo Yong **LEE***

Management of Anterior Segment Surgical Complications

Cataract surgery is the most commonly performed intraocular surgery worldwide, and phacoemulsification is the most common technique of cataract extraction in developed settings. The vast majority are performed uneventfully and achieve excellent visual results. However, occasionally misadventures can occur. These can be due to pre-existing medical conditions or related to intraoperative issues especially during the learning curve of phacoemulsification. The panel of vitreoretinal surgeons in this symposium will share their expertise in managing some of these challenges such as postoperative endophthalmitis, cystoid macular oedema, as well as intraoperative complications.

16:30 - 18:00 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): Shu-Yen **LEE**, Kiet Phang **LING**, Sjakon **TAHIJA***

16:30 Immediate Vitrectomy or Intravitreal Antibiotic for Postoperative Endophthalmitis
*Dipak **NAG***

16:40 Considerations for Cataract Surgery in High Myopia and in Post-vitrectomy Eyes
*Andrew **TSAI***

16:50 Phaco in Patients With AMD
*Emil **SJAHREZA***

17:00 Surgical Pearls to Manage PCR and Vitreous Loss From Retinal Specialist
*Kiet Phang **LING***

17:10 Medical and Surgical Approach to Post Operative Cystoid Macular Edema
*Hussain **KHAQAN***

17:20 Management of Subluxated Lens From Anterior Approach Versus Pars Planar Approach
*Anand **RAJENDRAN***

17:30 Timing of Vitrectomy for Complicated Surgery With Dropped Nucleus
*Thanapong **SOMKIJRUNGROJ***

17:40 Management of Surgical Macula Diseases and Co-existing Cataract: Combined or Separate Surgeries?
*Eleonore **IGUBAN***

APVRS LDP and AAPPO ADMS: Meeting the Masters Forum

The "Meeting the Masters Forum" has always been the highlight of the APVRS Leadership Development Program and the AAPPO Academic Development Mentorship Scheme. Moderated by Prof Neil Bressler and Prof Dennis Lam, star-studded and prominent ophthalmic experts are invited to serve as panelists (masters) and share their experience, perspective, and advice on their own leadership journey. The floor will also be opened for questions in the latter half of the forum. We hope that this session will inspire young ophthalmologists by shedding some light on how to successfully develop as a leader.

18:00 - 18:45 **Venue: MEETING ROOM 302-303 (Level 3)**
*Chair(s): Neil **BRESSLER**, Dennis **LAM***

18:00 Panel Discussion
*Daniel **BRICELAND**, Suber **HUANG**, Ava **HOSSAIN**, Martine **JAGER**, Judy E. **KIM**, Chi-Chun **LAI**, Charles **MCGHEE**, Kyoko **OHNO-MATSUI**, Srinivas **SADDA***

FEB 24, 2023 (FRI)

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology

Improving Artificial Intelligence Trust in Ophthalmology: Imaging Standards, Ethics, Health Economics, and Emerging Domains

Artificial intelligence (AI) has generated tremendous potential in ophthalmology. In this session, the world's experts will highlight ways to improve AI trust in ophthalmology related to imaging standards, ethics, health economics, and emerging domains such as synthetic AI and privacy-preserving technology.

09:00 - 10:30 **Venue: PLENARY THEATRE (Level 3)**
*Chair(s): Carol **CHEUNG**, Nor Anita **CHE OMAR**, Daniel **TING***

09:00 Image Standardization
*Aaron **LEE***

09:10 Health Economics Considerations
*Paisan **RUAMVIBOONSUK***

09:20 Synthetic AI: Generative Adversarial Network and Cross Modality Training
*Mingguang **HE***

09:30 Federated Machine Learning for Ophthalmology
*Anran Emma **RAN***

09:40 Adopting AI in Ophthalmology: Crossing the Valley of Death
*Ting Fang **TAN***

09:50 Auto ML and AI: How to Build a Model With No Prior Coding Experience?
*Javier **ZARRANZ-VENTURA***

APAO-AAO-NEI Joint Symposium: Strategic Priorities and Opportunities for Collaboration With the Asia-Pacific Community

The National Eye Institute (NEI) directs and funds vision research in the United States and around the world, based on the mission of eliminating vision loss and improving quality of life. The goal of this symposium is to explore potential collaborative projects involving the APAO, AAO, and NEI communities in three priority areas: myopia, data science, and artificial intelligence.

11:00 - 12:30 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Michael **CHIANG**, Liza-Sharmini **AHMAD TAJUDIN**, Paisan **RUAMVIBOONSUK***

11:00 Introduction to National Eye Institute (NEI) and Strategic Priorities
*Michael **CHIANG***

11:05 Challenges and Unanswered Questions in Myopia
*Michael **CHIANG***

11:12 Priority #1: Myopia - Research in Asia
*Marcus **ANG***

11:22 Discussion
*Liza-Sharmini **AHMAD TAJUDIN***

11:30 Priority #2: Data Sharing and Models - Challenges and Unanswered Questions in Data Sharing and Models
*Sally **BAXTER***

11:37 Priority #2: Data Sharing and Models - Research in Informatics Terminology in Asia
*Taiji **SAKAMOTO***

11:47 Discussion
*R.V. Paul **CHAN***

11:55 Priority #3: Artificial Intelligence - Challenges and Unanswered Questions in Artificial Intelligence
*Aaron **LEE***

12:02 Priority #3: Artificial Intelligence - Research in Federated Learning in Asia
*Haotian **LIN***

12:12 Discussion
*Paisan **RUAMVIBOONSUK***

12:20 Summary
*Paisan **RUAMVIBOONSUK***

Artificial Intelligence and Deep Learning in Ocular Imaging for Posterior Segment Imaging

Many AI works have been published for posterior segment imaging. In this session, the world's experts will highlight some updates and emerging AI domains for posterior segment diseases.

14:30 - 16:00 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Daniel **TING**, Judy **KIM**, Manoharan **SHUNMUGAM***

14:30 Artificial Intelligence for Diabetic Macular Edema
*Tien-En **TAN***

14:40 AI for MMD Screening Using Blockchain and Federated Machine Learning
*Zhen Ling **TEO***

14:50 AI for Age-Related Macular Degeneration
*Elliott **SOHN***

15:00 AI in Gene Expression Profile Prediction in Uveal Melanoma
*TY Alvin **LIU***

15:10 Application of AI Model for Retinal Diseases Screening
*Duoru **LIN***

15:20 AI for Epiretinal Membrane
*Yi-Ting **HSIEH***

Cataract and Cataract Surgery

Managing Astigmatism

Astigmatic correction is an essential skill for the refractive cataract surgeon. This symposium highlights various aspects of astigmatism management from preoperative planning to intraoperative refinement and even postoperative management. Important tips and tricks are shared to improve outcomes.

11:00 - 12:30 **Venue: PLENARY HALL (Level 1)**
*Chair(s): Han Bor **FAM**, Miswanudin **MAHYUDIN**, Kevin **MILLER***

11:00 IOL Power Calculation in Toric IOL – Which Formula Shall We Use?
*Tun Kuan **YEO***

11:15 FL Arcuate Keratotomy vs Toric IOL Implantation for Correcting Astigmatism
*Ke **YAO***

11:30 Intraoperative Refinement of IOL Position Prediction
*Gerd **AUFFARTH***

11:45 How to Address Residual Astigmatism After Surgery: IOL Rotation, LRI, Refractive Laser Surgery, Add-on IOLs?
*Michael **KNORZ***

12:00 Toric IOLs and Posterior Capsule Rupture: How to Handle?
*Ka Wai **KAM***

12:15 The Story of Posterior Corneal Astigmatism
*Han Bor **FAM***

Debate: Controversies in Cataract Surgery

There is More than One Way to Skin a CAT(aract)! Come and join this debate session which brings up very interesting topics for our expert panelists to "slug it out"! Opposing views will be expressed and discussed which will make for a lively and educational session.

14:30 - 16:00 **Venue: PLENARY HALL (Level 1)**
*Chair(s): Johan **HUTAURUK**, Khairidzan **KAMAL**, Michael **KNORZ***

14:30 Debate 1: Everyone Should Receive NSAIDs
*Peter **MCCLUSKEY***

14:35 Debate 1: Only Patients at Risk or Those Who Develop CME Should Receive NSAIDs
*Kevin **MILLER***

14:40 Debate 2: Femtosecond Lasers Produce the Best Outcomes
*Robert **YEO***

14:45 Debate 2: Femtosecond Lasers Are Costly and Unnecessary
*Kelvin **WAN***

14:50 Debate 3: Manual Marking for Toric Alignment Makes the Most Sense
*Johan **HUTAURUK***

14:55 Debate 3: Intraoperative Guidance Devices for Toric Alignment Are Better
*Kenneth **LU***

15:00 Debate 4: Mixing and Matching IOLs Is My First Choice
*Hungwon **TCHAH***

15:05 Debate 4: Mixing and Matching Is Not My First Choice
*John **CHANG***

15:10 Debate 5: Every Patient Should Be Considered for Refractive Cataract Services
*Tommy **CHAN***

15:15 Debate 5: Only Select Patients Are Eligible for Refractive Cataract Services
*Dennis **KONG***

Cornea, External Eye Diseases and Eye Banking

Corneal Surgery 1 – Anterior Lamellar Keratoplasty

This exciting session will give an overview of all the different techniques of anterior lamellar corneal surgery. Experienced surgeons will share their pearls of wisdom on the surgical principles, as well as how to prevent and manage possible complications to ensure optimal visual outcomes.

09:00 - 10:30 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): Che Mahiran **CHE DAUD**, Rajesh **FOGLA**, Jodhbir **MEHTA***

09:00 Surgical Approach to Managing Superficial Corneal Lesions (SALK, FALK)
*Jodhbir **MEHTA***

09:10 Microkeratome-Assisted Anterior Lamellar Keratoplasty, Surgical Technique, and Outcomes
*Jeewan **TITIYAL***

09:20 How to Consistently Perform Big Bubble DALK
*Tarek **KATAMISH***

09:30 Viscobubble DALK, My Preferred Technique
*Shigeto **SHIMMURA***

09:40 Managing Complications in DALK to Optimize Outcomes
*Pravin **VADDAVALLI***

09:50 Tectonic DALK Indications, Technique, and Outcomes
*Marcus **ANG***

10:00 Role of I-OCT in Anterior Lamellar Keratoplasty
*Namrata **SHARMA***

10:10 Surgical Options to Manage Extreme Ectasia
*Rajesh **FOGLA***

10:20 My Experience With Dia DALK
*Vanitha **RATNALINGAM***

ACS Symposium: Ocular Surface Disease – Management Strategies

There have been many exciting clinical developments and findings in the diagnosis and treatment of severe ocular surface diseases. This symposium made by the Asia Cornea Society will cover state-of-the-art technologies for treating those devastating diseases and future directions by esteemed speakers.

14:30 - 16:00 **Venue: PLENARY THEATRE (Level 3)**
*Chair(s): Shigeru **KINOSHITA**, John **MATHEN**, Donald **TAN***

14:30 COMET and Scleral Lens for Treating Stevens-Johnson Syndrome
*Chie **SOTOZONO***

14:40 General Consensus of Treatment Strategy on Ocular Surface Diseases
*Sophie **DENG***

14:50 Management of Commensal Bacteria in Stevens-Johnson Syndrome
*Vilavun **PUANGSRICHARERN***

15:00 Liquid Cornea for Corneal Surface Treatment
*Virender **SANGWAN***

15:10 Indication of OOKP for Ocular Surface Diseases
*Christopher **LIU***

15:20 Management of Mucous Membrane Pemphigoid
*Elsie **CHAN***

15:30 Bio-Engineered Lamellar Graft for Corneal Transplantation
*Namrata **SHARMA***

Evolving Academia, Research, Teaching and Education in Ophthalmology

Non-surgical Skills in Ophthalmology: What Are They, How to Teach and Assess?

Ophthalmologists require many skills in addition to surgical. 'Non-surgical' skills are fundamental to clinical practice, but often ignored as they are difficult to teach and even more difficult to assess. The session will cover explanation of non-surgical skills and their relationship to professionalism, with additional focus on specific skills of communication, leadership, academic/scholar, and health advocacy. The role of the mentor in skill development will be emphasized.

09:00 - 10:30 **Venue: MEETING ROOMS 406-407 (Level 4)**
*Chair(s): Mohd Aziz **HUSNI**, Ana **PALIS**, Meenakshi **SWAMINATHAN***

09:00 Non-surgical Skills: What Are They
*Heather **MACK***

09:10 Teaching and Assessing Ethics and Professionalism
*Ana **PALIS***

09:20 Teaching and Assessing Communication Skills
*Tai-Chi **LIN***

09:30 Leadership Development
*Shaheeda **MOHAMED***

09:40 The Role of the Mentor
Meenakshi ***SWAMINATHAN***

09:50 How to Develop and Assess Scholarly Skills
Jayabaskar ***THIYAGARAJAN***

10:00 How to Teach and Assess Health Advocacy
Jamie ***CRAIG***

Glaucoma and Glaucoma Surgery

Hot Topics in Glaucoma

This session will cover various hot topics in glaucoma ranging from definition of glaucoma, managing glaucoma suspects, laser treatments and results from newer research in glaucoma.

09:00 - 10:30 **Venue: PLENARY HALL (Level 1)**
Chair(s): Anton ***HOMMER****, Frances* ***MEIER-GIBBONS****, Thayanithi* ***SANDRAGASU***

09:00 Ciliary Processes: The New Pipeline in Glaucoma Management?
Suresh ***SUBRAMANIAM***

09:10 Laser Trabeculoplasty: A Shifting Paradigm?
David Wen Wei ***WOO***

09:20 Unmet Needs in Glaucoma Management
Edgar ***LEUENBERGER***

09:30 Identifying and Managing the Glaucoma Suspect
Maria Imelda ***YAP-VELOSO***

09:40 Retinal Venous Pressure in Glaucoma
Lutz ***PILLUNAT***

09:50 Definition of Glaucoma in the Past and Now
Anton ***HOMMER***

10:00 What Is the Characteristic of High-Risk Eyes Developing Narrow Angle After ICL? How to Predict?
Fei ***LI***

APGS Symposium: Primary Angle Closure

Primary angle closure is most prevalent in Asia and the Asia-Pacific Glaucoma Society is organizing a symposium covering all aspects including diagnosis, imaging, laser, and surgical treatment.

11:00 - 12:30 **Venue: CONFERENCE HALL 2 (Level 3)**
Chair(s): Ningli ***WANG****, Benjamin* ***XU****, Azhany* ***YAAKUB***

11:00 MIGS in Angle Closure With or Without Cataract
Xiulan ***ZHANG***

11:10 An Overview of Management of Angle Closure and Angle Closure Glaucoma
Clement ***THAM***

11:20 Anterior Segment Imaging in Angle Closure
Tin ***AUNG***

11:30 Lens Extraction for Angle Closure and Angle Closure Glaucoma
Poemen ***CHAN***

11:40 Laser Treatment for Angle Closure and Angle Closure Glaucoma
Seng-Kheong ***FANG***

11:50 External Drainage Surgery for Angle Closure and Angle Closure Glaucoma
Md.Nazrul ***ISLAM***

12:00 Internal Drainage Surgery for Angle Closure and Angle Closure Glaucoma
Paul ***HEALEY***

12:10 EAGLE Trial for Asian Patients
Dewang ***ANGMO***

Intraocular Inflammation, Uveitis and Scleritis

Necrotizing Infectious and Non-Infectious Scleritis and Their Management

The necrotizing infectious and non-infectious scleritis symposium will upskill the attendees by reviewing the causes, clinical features, diagnosis, and management of this uncommon but important vision-threatening inflammatory eye disease.

09:00 - 10:30 **Venue: MEETING ROOMS 401-402 (Level 4)**
Chair(s): Hazlita ***ISA****, Peter* ***MCCLUSKEY****, Uwe* ***PLEYER***

09:00 Epidemiology and Common Causes of Necrotizing Scleritis
Peter ***MCCLUSKEY***

09:10 What Are the Clinical Features of Necrotizing Scleritis?
Hazlita ***ISA***

09:20 What Investigations Should I Order and Why?
Uwe ***PLEYER***

09:30 What Are the Red Flags for Infectious Necrotizing Scleritis?
Jyotirmay ***BISWAS***

09:40 Do I Need Biopsy Confirm of Infectious Scleritis? How Do I Do This?
Mudit ***TYAGI***

09:50 Treatment of Non Infectious Necrotizing Scleritis
Quan Dong ***NGUYEN***

10:00 Medical and Surgical Treatment of Infectious Necrotizing Scleritis
Somasheila ***MURTHY***

Miscellaneous

APAO Leadership Development Program (LDP) 2023-24 Orientation Class 2

Open to APAO LDP Class 2023-24 participants only.

09:00 - 10:30 **Venue: MEETING ROOMS 307-308 (Level 3)**
Chair(s): Muhammad ***MOIN***

09:00 Insights Discovery (1)
Muhammad ***MOIN***

Women in Ophthalmology (WIO) Symposium: It Was Alright Until...

How would you cope when something unexpected happens during cataract and refractive surgery?
In this video-based challenging cases symposium, ophthalmologists from across the Asia-Pacific region will share how they successfully managed their most challenging cataract (e.g., subluxed lens, hard nucleus and those with corneal diseases and retinal diseases) and refractive cases and achieved the best possible surgical outcomes.

11:00 - 12:30 **Venue: MEETING ROOMS 304-305 (Level 3)**
Chair(s): Soon-Phaik ***CHEE****, Ava* ***HOSSAIN****, Namrata* ***SHARMA***

11:00 Severely Subluxated Lens
Soon-Phaik ***CHEE***

11:12 Challenges of Phacoemulsification in Different Types of Hard Cataracts
Purabi ***DEBNATH***

11:24 Cataract Surgery in Patients With Corneal Disease
Elsie ***CHAN***

11:36 Countermeasures of Suction Loss During SMILE Surgery
Yang ***JIANG***

11:48 Multifocal Intraocular Lenses in Eyes With Underlying Retinal Diseases
Heeyoon ***CHO***

12:00 Stay Calm – Facing Wretched Capsule
Shu-Wen ***CHANG***

APAO Leadership Development Program (LDP) 2023-24 Orientation Class 3

Open to APAO LDP Class 2023-24 participants only.

11:00 - 12:30 **Venue: MEETING ROOMS 307-308 (Level 3)**
Chair(s): Muhammad ***MOIN***

11:00 Insights Discovery (2)
Muhammad ***MOIN***

APAO Leadership Development Program (LDP) 2023-24 Orientation Class 4

Open to APAO LDP Class 2023-24 participants only.

14:30 - 16:00 **Venue: MEETING ROOMS 307-308 (Level 3)**
Chair(s): Muhammad ***MOIN***

14:30 Insights Discovery (3)
Muhammad ***MOIN***

Young Ophthalmologists (YO) Symposium

The YO symposium will feature our top APAO YO speakers' free paper presentations, and recognize our talented YO through our awards presentation section.
14:30 - 16:00 **Venue: MEETING ROOMS 406-407 (Level 4)**
Chair(s): Marcus ***ANG****, Seng-Kheong* ***FANG***

14:30 Opening and Welcome Address
Seng-Kheong ***FANG***

14:35 Updates on APAO YO and Activities
Marcus ***ANG***

14:40 Corneal Nerve Changes in Herpes Zoster Ophthalmicus: A Prospective Longitudinal In Vivo Confocal Microscopy Study
Eugenie ***MOK***

14:46 Evaluation of Corneal Biomechanical Parameters in Normal and Subclinical Keratoconus Eyes Using Dynamic Scheimpflug Technology
Ali ***FOROUHARI***

14:52 Alterations in Retinal Oxygen Kinetics, Blood Flow and Eye Movements in Retinal Vein Occlusion Using a Non-invasive Structural-Functional Imaging Analysis System
Jingyuan ***ZHU***

14:58 Refractive Status in Children With History of Birth-Related Retinal Hemorrhage
Xin Ying ***LIM***

15:04 Relationship Between Monocular Visual Function Assessments and Activities of Daily Living in Patients With Age-Related Macular Degeneration
Claire Lixian ***PETERSON***

15:10 Our Experience With Biosimilar Razumab: Clinical Efficacy and Safety of Razumab (CESAR) Study
Anuja ***PATIL***

15:16 Prevalence of Corneal Astigmatism in Pre-Operative Cataract Surgery Patients in Indonesia Hospital
Maharani ***ANGGRAENI***

15:22 YO Awards Presentation
*Seng-Kheong **FANG***

15:32 YO Travel Grants Presentation
*Seng-Kheong **FANG***

15:42 YO Rising Star Program Acknowledgment
*Seng-Kheong **FANG***

Ocular Oncology and Pathology

What's New in Ocular Lymphoma?

Ocular lymphoma can occur inside the eye, but also under the conjunctiva or in the orbit, leading to challenging situations. As new treatments are being developed, knowledge about the differential diagnosis and diagnostics is essential to make the right choice. This symposium includes an overview of the most challenging situations.

09:00 - 10:30 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Roslin Azni **ABDUL AZIZ**, Sarah **COUPLAND**, Anita **CHAN***

09:00 Update on the New WHO Lymphoma Classification and How It Affects Ocular Lymphomas
*Sarah **COUPLAND***

09:13 The Pathologist's Perspective of Ocular Adnexal Lymphoma
*Steffen **HEEGAARD***

09:26 The Pathologist's Perspective of Intraocular Lymphomas
*Anita **CHAN***

09:39 Unusual Ocular Lymphomas That Should Not Be Missed!
*Robert **VERDIJK***

09:52 Varieties of Intraocular Involvement in NK/T-Cell Lymphoma: From EBV NK/T Lymphoproliferative Disease to Intraocular T-Cell Lymphoma
*Ping **FEI***

10:05 Update on the Treatment of Ocular Lymphomas
*Lindsay **MCGRATH***

Basic Research in Ocular Oncology

Ocular malignancies are often rare, which leads to a slow development of effective new therapies. Research is essential to understand the basis of ocular tumors so that targeted therapies can be developed. Experts will provide information on several new approaches.

11:00 - 12:30 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Martine **JAGER**, Tengku **KAMALDEN**, Duangnate **ROJANAPORN***

11:00 Immunotherapy in Uveal Melanoma
*Lata **SINGH***

11:10 AU-011 Treatment and Induction of Immunogenic Cell Death in Uveal Melanoma
*Martine **JAGER***

11:20 Nuclear PD-L1 Elicits EGFR-1-Mediated Angiogenesis and Accelerates Tumorigenesis in Uveal Melanoma
*Ai **ZHUANG***

11:30 Application of Digital Pathology and AI to UM
*Sarah **COUPLAND***

11:40 DNA Mismatch Repair Gene Expression in Conjunctival MALT Lymphoma
*Satoru **KASE***

11:50 Experimental Research in Adenoid Cystic Carcinoma
*Jianmin **MA***

12:00 Micro RNA Expression Profiling Can Distinguish Conjunctival Squamous Cell Carcinoma From Sebaceous Carcinoma
*Robert **VERDIJK***

12:10 Retinoblastoma Organoids: A Disease Model for Translational Research
*Duangnate **ROJANAPORN***

Ophthalmic Epidemiology and Prevention of Blindness

Global Eye Health and Sustainable Development Goals

Persuading governments to invest in eye health as a small part of the healthcare pie is ineffective. We must provide evidence of specific ways that vision care accelerates progress toward the Sustainable Development Goals (SDGs), including improved learning in schools, enhanced workplace productivity, safer traffic and increased financial inclusiveness through mobile banking.

11:00 - 12:30 **Venue: MEETING ROOMS 406-407 (Level 4)**
*Chair(s): Nathan **CONGDON**, Azlina **MOKHTAR**, Srinivas **MARMAMULA***

11:00 Overview: Vision and the SDGs
*Nathan **CONGDON***

11:10 Vision and Learning
*Priya **ADISESHA REDDY***

11:20 Vision and Productivity
*Munir **AHMED***

11:30 Vision and Traffic Safety
*Le **DAT***

11:40 Vision and Risk of Early Incarceration
*Mapa Prabhath **PIYASENA***

11:50 Vision and Mobile Banking
*Atonu **RABBANI***

12:00 Vision and Cognition
*Srinivas **MARMAMULA***

Orbital and Oculoplastic Surgery

What's Hot and Helpful in Oculoplastics

Don't miss this hot session with international experts sharing their novel surgical pearls on Asian blepharoplasty and blepharoptosis correction, frontalis flap, endonasal dacryocystorhinostomy, corneal neurotization, and eyelid reconstruction. There will be a presentation on risk management and lively discussion that will enhance and expand your surgical skill set.

14:30 - 16:00 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Erin **SHRIVER**, Timothy **SULLIVAN**, S.Kala **SUMUGAM***

14:30 Tips for Successful Incision Asian Blepharoplasty
*Chung-Nen **CHUA***

14:38 Involutional Entropion Correction: Tissue Preserving and Repairing
*Chai Teck **CHOO***

14:46 Helpful Tips for a Successful Endonasal Dacryocystorhinostomy Surgery
*Chin **ONG***

14:54 How to Manage Risks in Oculoplastic Practice?
*Rohit **SAIJU***

15:02 Anatomical Consideration in East Asian Blepharoptosis Correction
*Sunny **SHEN***

15:10 Frontalis Flap Surgery: Lid Crease Formation and Prevention of "Eyelid Pop"
*Richard **ALLEN***

15:18 Corneal Neurotization
*Cat **BURKAT, MD FACS***

15:26 Options for a One-Stage Large Eyelid Margin Defect Reconstruction
*Pimkwan **JARU-AMPORNPAN***

Pediatric Ophthalmology and Strabismus

Advances and Future Directions in Diagnosis and Management of Genetic Eye Disease in Children

The symposium will give an overview of the diagnosis and management of genetics eye disease in children, including the common eye diseases such as myopia and anisometropia, inherited retinal disease, rare eye diseases, and oculocutaneous albinism, among others. It will shed light on the advances and future directions of children genetics eye disease.

09:00 - 10:30 **Venue: MEETING ROOMS 304-305 (Level 3)**
*Chair(s): Calvin **PANG**, Sunder **RAMASAMY**, Chen **ZHAO***

09:00 Overview of Diagnosis and Management of Oculocutaneoalbinism
*Alina **DUMITRESCU***

09:10 Genetics of Myopia in Children
*Calvin **PANG***

09:20 Genetics of Anisometropia in Children
*Li Jia **CHEN***

09:30 Management of FEVR-Associated RRD With Encircling Scleral Buckling
*Peiquan **ZHAO***

09:40 CRB1 Associated LCA
*Xiaoyan **DING***

09:50 Genetic Causes and Mutation Spectrum of Childhood High Myopia in China
*Zi-Bing **JIN***

10:00 Genetic Results From Inherited Retinal Dystrophy Patients Seen in an Asian Setting and Its Implications
*Choi Mun **CHAN***

10:10 Diagnosing Rare Eye Diseases: Experience From a Malaysian Tertiary Centre
*Winnie **ONG***

APMS Symposium: 2023 Updates on Myopia

The latest 2023 updates on myopia will be presented at the Asia-Pacific Myopia Society Symposium. The session will explore mechanisms leading to environmental outdoor protection for myopia, genetic prediction, treatments to slow progression and pathologic burden of myopia.

11:00 - 12:30 **Venue: PLENARY THEATRE (Level 3)**
*Chair(s): May-May **CHOO**, Seang Mei **SAW**, Jason **YAM***

11:00 Significant Breakthroughs in Myopia in the Past Three Years
*Ian **MORGAN***

11:10 Light, Retinal Dopamine, and Myopia
*Xiangtian **ZHOU***

11:20 Effect of Light Patterns on Myopia in Chicks and Monkeys
*Raymond **NAJJAR***

11:30 Latest Updates on Atropine Treatment to Slow Myopia Progression
*Wei Lin **CHIA***

11:40 Myopia Patterns in Indonesian Children
*Rita **S SITORUS***

11:50 Myopia Patterns in Hong Kong Children
*Xiujuan **ZHANG***

12:00 Polygenic Risk Scores for Myopia
*Pirro **HYSI***

12:10 Repeated Low-level Red-light Therapy to Control Myopia Progression: Efficacy, Safety and Mechanism
*Mingguang **HE***

WSPOS Symposium: Cornea and External Eye Diseases

This symposium is for comprehensive, pediatric, corneal, and external diseases ophthalmologists, together with allied eyecare professionals, covering from the basics to the advanced management of both VKC and BKC, as well as keratoconus. In addition, managing keratoconus in both children and developmentally delayed adults will be covered. Having an algorithm of treatment for pediatric infectious keratitis is essential, and we will discuss the newer non-penetrating keratoplasty techniques for kids. Finally, we will show 3 interactive videos of signs or techniques.

14:30 - 16:00 **Venue: MEETING ROOMS 304-305 (Level 3)**
*Chair(s): Yee Fong **CHOONG**, Kanwal 'ken' **NISCHAL**, Jamalia **RAHMAT***

14:30 Lamellar Keratoplasty in Children
*Namrata **SHARMA***

14:40 Managing Vernal Keratoconjunctivitis
*Florence **MANURUNG***

14:50 Managing Blepharokeratoconjunctivitis
*Seo Wei **LEO***

15:00 Steven Johnson Syndrome/ MIRM in Children
*Hajirah **SAEED***

15:10 Pediatric Infectious Keratitis
*Vishal **JHANJI***

15:20 Pediatric Keratoconus
*Elizabeth **CONNER***

15:30 Video Vaults of Surgical Technique/Clinical Sign
*Kanwal 'ken' **NISCHAL***

15:34 Video Vaults of Surgical Technique/Clinical Sign
*Yee Fong **CHOONG***

15:38 Video Vaults of Surgical Technique/Clinical Sign
*Jamalia **RAHMAT***

Refractive Surgery

Presbyopia: Can We Solve It?

Presbyopia is the holy grail of refractive surgery. During this symposium, the evidence available about the different options for the correction or compensation of presbyopia will be shown.

09:00 - 10:30 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Jorge **ALIO**, Norazlina **BACHIK**, Mahipal **SACHDEV***

09:00 Overview of Presbyopic Correcting Solutions
*Supriya **SRIGANESH***

09:10 Presbyopia Correction in High Myopia and Hyperopia–The Challenges
*Norazlina **BACHIK***

09:20 Accommodating IOLs Placed in the Sulcus: Are They the Solution?
*Jorge **ALIO***

09:30 Presbyond – Principles and Clinical Outcomes
*Mahipal **SACHDEV***

09:40 Presbyopia Correcting IOLS – Current Status
*Sheetal **BRAR***

09:50 Laser Scleral Microporation on Emmetropic Presbyopes
*Robert **ANG***

10:00 The High-Volume Results of Trifocal Implantable Phakic Contact Lens
*Minoru **TOMITA***

10:10 Ways to Increase Implantation Success for Trifocal IOLs
*Ya-Jung **CHUANG***

Retina (Medical)

Proliferative Diabetic Retinopathy (PDR)

Recent randomized clinical trials and longitudinal investigations have expanded management options for proliferative diabetic retinopathy (PDR). Investigations include assessing lapses in care in

PDR, determining risk of PDR from ultrawide field fluorescein angiography, and use of anti-VEGF to prevent or treat PDR or delay vitrectomy for vitreous hemorrhage in PDR.

09:00 - 10:30 **Venue: CONFERENCE HALL 2 (Level 3)**
*Chair(s): Alan Jin Soon **ANG**, Neil **BRESSLER**, Young Hee **YOON***

09:00 Role of Ultra Wide Field Imaging for Predicting PDR
*Paolo Antonio **SILVA***

09:12 Anti-VEGF vs PRP for PDR
*Jun **KONG***

09:24 Lapses in Care for PDR
*Susan **BRESSLER***

09:36 Vitrectomy vs Anti-VEGF for Vitreous Hemorrhage From PDR
*Onnisa **NANEGRUNGSUNK***

09:48 Preventing PDR With Anti-VEGF
*Jay **CHHABLANI***

10:00 The Role of the Vitreous in Diabetic Retinopathy
*David **WONG***

Diabetic Macular Edema (DME)

This session will include various management strategies for diabetic macular edema (DME). Managing DME initially is based on visual acuity. The presentations would include recent updates from DRCR network as well as new drugs and drug delivery systems for DME. Recent clinical trials also have guided step therapy from bevacizumab to aflibercept, introduced port delivery systems, expanded agents to faricimab, and considered intravitreal anti-VEGF or oral (fenofibrate) agents to prevent DME; updates on subthreshold laser also will be presented. The session will also include subthreshold laser therapy and its current status in DME.

14:30 - 16:00 **Venue: CONFERENCE HALL 2 (Level 3)**
*Chair(s): Jay **CHHABLANI**, Sobha **SIVAPRASAD**, Hon Seng **WONG***

14:30 Guiding DME Treatment Based on Visual Acuity
*Neil **BRESSLER***

14:43 DME Step Therapy: From Bevacizumab to Aflibercept
*Voraporn **CHAIKITMONGKOL***

14:56 Port Delivery Systems for DME
*William **MIELER***

15:09 Faricimab for DME: Alternative or First Choice
*Sandrine **ZWEIFEL***

15:22 Intravitreal or Oral Agents (Fenofibrate) to Prevent DME
*Sobha **SIVAPRASAD***

15:35 Subthreshold Laser for DME: Treatment Guidelines
*Jay **CHHABLANI***

Retina (Surgical)

Diabetic Retinopathy and Retinal Vascular Diseases

The objective of this session is to provide the general ophthalmologists, retina specialists, and trainees with the knowledge of retinal procedures, different techniques and advances in the surgeries for diabetic retinopathy, diabetic macular edema, and retinal vein occlusion.

11:00 - 12:30 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): Marten **BRELEN**, Kian Seng **LIM**, Marie Joan **LOY***

11:00 Pre-op and Intra-op Use of Anti-VEGF in Proliferative Diabetic Retinopathy Surgery
*Marie Joan **LOY***

11:10 Management of Combined Traction and Rhegmatogenous Retinal Detachments
*Kian Seng **LIM***

11:20 Tips and Tricks for Tractional Retinal Detachment Surgery
*Shobhit **CHAWLA***

11:30 27G Vitrectomy
*Yusuke **OSHIMA***

11:40 Combined vs Sequential Cataract Surgery and Pars Plana Vitrectomy in Diabetic Retinopathy Surgery
*Wu **LIU***

11:50 Pros and Cons of Silicone Oil Use in Diabetic Vitrectomy Surgery
*Referano **AGUSTIAWAN***

12:00 Surgical Options for Diabetic Macular Edema
*Marten **BRELEN***

12:10 Retinal Vein Cannulation for Retinal Vein Occlusion
*Kazuaki **KADONOSONO***

Retinal Detachment

This session deals with various aspects of managing retinal detachment including basics of scleral buckling to the latest instrumentation for primary vitrectomy as well as PVR management. Complications related the surgery as well as managing traumatic detachments and those secondary to myopia and tumors are also included.

14:30 - 16:00 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): Zabri **BIN KAMARUDIN**, Min **KIM**, Manish **NAGPAL***

14:30 Approach to Myopic Macular Traction
*Tock-Han **LIM***

14:38 Traumatic Retinal Detachment
*Tengku **KAMALDEN***

14:46 Air Versus Sulfur Hexafluoride Gas Tamponade in Vitrectomy for Uncomplicated Retinal Detachment With Inferior Breaks
*Taiji **SAKAMOTO***

14:54 Surgery for Eye Cancer and Management of Its Complications
*Min **KIM***

15:02 Persistent Subretinal Fluid After Retinal Surgery
*Doric **WONG***

15:10 Scleral Buckle: A Dying Art
*Alan Jin Soon **ANG***

15:18 Sub-macular Hemorrhage During Vitrectomy for Retinal Detachment
*Bhuvan **CHANANA***

15:26 PVR-Related Retinal Detachment
*Sanyam **BAJIMAYA***

15:34 Advantages and Tips of the Beveled-Tip Ultra-Speed Probe for Complete Vitreous Shaving During Retinal Detachment Vitrectomy
*Yusuke **OSHIMA***

Translational and Visual Sciences Research

Corneal Cell Therapy for the Treatment of Corneal Blindness

The last two decades has seen the concept of corneal lamellar transplantation come to the forefront. However, the cornea is the perfect tissue for cell-based therapy, The session will cover topics pertaining to cell-based therapies to treat corneal blindness. The first clinical trial was for corneal epithelial therapy, with the first talks of the session covering this area. For patients with bilateral stem cell disease, alternative cells must be used including pluripotent stem cells, mesenchymal stem cells and nasal mucosal epithelial cells. Stromal regeneration stromal/mesenchymal stem cells and biomimetic hydrogels are an alternative. For endothelial cells, non-cultured endothelial cells offer an exciting alternative to recycle low ECC corneas.

11:00 - 12:30 **Venue: MEETING ROOMS 401-402 (Level 4)**
*Chair(s): Wei **LI**, Jodhbir **MEHTA**, Wan Haslina **WAN ABDUL HALIM***

11:00 Current Limbal Epithelial Transplantation Options in the Treatment of Limbal Stem Cell Failure
*Charles **MCGHEE***

11:10 Cultivated Limbal Stem Cell on Contact Lens for Limbal Stem Cell Deficiency
*Wan Haslina **WAN ABDUL HALIM***

11:20 Amelioration of Tissue Engineered Corneal Epithelium
*Wei **LI***

11:30 Pluripotent and Mesenchymal Stem Cells for Corneal Disease
*Shigeto **SHIMMURA***

11:40 Cultivated Nasal Mucosal Epithelial Cell Transplantation for Ocular Surface Reconstruction
*David **MA***

11:50 Corneal Stromal Regeneration: Limbus-Derived Stromal/Mesenchymal Stem Cells, Biomimetic Hydrogels, and 3D-Printed Corneas
*Sayan **BASU***

12:00 Corneal Endothelial Cell Therapeutics – A Simple Non-cultivated Endothelial Cell (SNEC) Injection Therapy
*Gary **PEH***

12:10 Gelatinous Drop-Like Corneal Dystrophy or Fuch's Endothelial Dystrophy
*Motokazu **TSUJIKAWA***

APSEG Symposium: Precision Medicine of Eye Diseases

Advent of advanced technologies and large consortia involving multiple centers have led to identification of large number of susceptibility genes for common and complex eye diseases. Some have contributed to better understanding to disease mechanisms, and some are potential disease markers. In this symposium, recent advances of glaucoma, age-related macular degeneration central serous chorioretinopathy will be updated. There will be a prospective view on precision diagnosis and treatment of eye diseases.

14:30 - 16:00 **Venue: MEETING ROOMS 401-402 (Level 4)**
*Chair(s): Govindasamy **KUMARAMANICKAVEL**, Liza-Sharmini **AHMAD TAJUDIN**, Calvin **PANG***

14:30 Using Genetics to Improve Glaucoma Clinical Outcomes
*Janey **WIGGS***

14:40 Update on the Genetics of Age-Related Macular Degeneration in East Asians
Ching-Yu ***CHENG***

14:50 Update of the Genetics of Central Serous Chorioretinopathy in Chinese
Li Jia ***CHEN***

15:00 Precision Medicine for Central Serous Chorioretinopathy
Kenji ***YAMASHIRO***

15:10 An Omics Investigation of Mechanisms Underlying High Intraocular Pressure and Primary Open-Angle Glaucoma
Pirro ***HYSI***

15:20 Precision Medicine in Ophthalmic Clinical Practice
Govindasamy ***KUMARAMANICKAVEL***

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Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology

Telemedicine and Digital Ophthalmology During COVID-19 Pandemic Crisis

Telemedicine has been becoming more important than ever after the COVID pandemic, in this session, key opinion leaders will share their experience and best practice in their specific countries and discuss with audience on how to make the most of this opportunity to promote telemedicine in ophthalmology.

09:00 - 10:30 **Venue: PLENARY THEATRE (Level 3)**
Chair(s): Mingguang ***HE****, Nor Fariza* ***NGAH****, Gavin* ***TAN***

09:00 Telemedicine in Singapore
Gavin ***TAN***

09:10 Telemedicine in China
Ningli ***WANG***

09:20 Telemedicine in Japan
Hitoshi ***TABUCHI***

09:30 Telemedicine in Malaysia
Nor Fariza ***NGAH***

09:40 Telemedicine in India
Kim ***RAMASAMY***

09:50 Telemedicine in Australia
Mingguang ***HE***

10:00 Telemedicine in the United States
Robert ***CHANG***

Artificial Intelligence and Deep Learning in Ocular Imaging for Anterior Segment and Glaucoma Imaging

Many AI works have been published for anterior segment and glaucoma imaging. In this session, the world's experts will highlight some updates and emerging AI domains for anterior segment diseases and glaucoma.

16:30 - 18:00 **Venue: PLENARY THEATRE (Level 3)**
Chair(s): Robert ***CHANG****, Xiulan* ***ZHANG****, Mimiwati* ***ZAHARI***

16:30 AAO-ACR Initiatives for AI Education
Sally ***BAXTER***

16:40 AI for Glaucoma Imaging: Opportunities
Robert ***CHANG***

16:50 AI for Glaucoma Imaging: Challenges
Xiulan ***ZHANG***

17:00 Explainable AI for Glaucoma Imaging
Jin Wook ***JEOUNG***

17:10 AI for Refractive Surgery
Jodhbir ***MEHTA***

17:20 AI for Corneal Imaging
Olivia ***LI***

17:30 AI for Cataract Imaging
Ching-Yu ***CHENG***

17:40 AI to Describe the Structural Phenotype of Glaucoma
Michael ***GIRARD***

Cataract and Cataract Surgery

Managing the Little Things That Mess Up Otherwise Perfect Surgery

As cataract surgeons, we are committed to delivering the best possible outcomes for our patients. Attention to detail is crucial in order to achieve the precision we desire, and this symposium will highlight those "Little Things" which will have to be managed well in order to achieve this goal.

09:00 - 10:30 **Venue: PLENARY HALL (Level 1)**
Chair(s): Kevin ***MILLER****, Julieana* ***MUHAMMED****, Pannet* ***PANGPUTHIPONG***

09:00 Small Refractive Errors
Manpreet ***KAUR***

09:10 Corneal Edema
Vanissa ***CHOW***

09:20 Convergence Insufficiency
Yee Fong ***CHOONG***

09:30 Cystoid Macular Edema
Harvey ***UY***

09:40 Pseudophakic Dysphotopsia
Burkhard ***DICK***

09:50 Postoperative Diplopia
Thomas ***KOHNEN***

10:00 Dry Eyes
Arup ***CHAKRABARTI***

When Things Go Wrong – Prevention and Management of Cataract Complications

Complications from cataract surgery are very uncommon, but the potential for poor outcomes can be significant when they do happen. Learning how to successfully prevent complications and managing them when they occur will prepare us for the worst!

11:00 - 12:30 **Venue: PLENARY HALL (Level 1)**
Chair(s): Yean-Yaw ***CHOONG****, Burkhard* ***DICK****, Ronald* ***YEOH***

11:00 How to Perform Vitrectomy in PCR: Pars Plana
Thanapong ***SOMKIJRUNGROJ***

11:10 Prevention and Treatment of Endophthalmitis
Fasika ***WORETA***

11:20 Nucleus Dropped: What to Do?
Soon-Phaik ***CHEE***

11:30 Postoperative Inflammation and Hypopyon: Toxicity or Early Infection?
Tat Keong ***CHAN***

11:40 What to Do When the Eye Becomes Rock Hard
Ishtiaque ***ANWAR***

11:50 Intraocular Foreign Bodies
Huma ***SAIGOL***

12:00 Posterior Polar Cataracts
Jeewan ***TITIYAL***

IIIC Symposium: The Perfect Save: Challenging Cases Managed by International Experts

The combined wisdom of a stellar panel of expert cataract and anterior segment surgeons is showcased in this "not-to-be-missed" symposium. Different challenging scenarios are presented, and techniques and strategies of management will be discussed.

14:30 - 16:00 **Venue: PLENARY HALL (Level 1)**
Chair(s): Michael ***KNORZ****, Mun Wai* ***LEE****, Kevin* ***MILLER***

14:30 Cross Chop to the Rescue
Ronald ***YEOH***

14:40 Cataract Surgery in the Opaque Cornea
Pannet ***PANGPUTHIPONG***

14:50 The Surgical Treatment for a Patient With Sunrise Syndrome of the Regenerative Lens and Sunset Syndrome of the Intraocular Lens in the Same Eye
Wen ***XU***

15:00 Restoring Corneal Clarity With a Shield
Ruth ***LAPID-GORTZAK***

15:10 Pediatric Cataract Challenges
Yun'e ***ZHAO***

15:20 Post RK Cataract Surgery
Sri ***GANESH***

15:30 Damaged Premium IOL After Implantation – How to Solve?
Thomas ***KOHNEN***

15:40 Panel Discussion
Michael ***KNORZ****, Ronald* ***YEOH***

Cataract Surgery Essentials: My Top 5 Pearls

This symposium brings together a diverse group of vastly experienced surgeons to share their knowledge on the different aspects of cataract surgery. Pick up the best tips to make improvements to your own technique!

16:30 - 18:00 **Venue: PLENARY HALL (Level 1)**
Chair(s): Soon-Phaik ***CHEE****, Pannet* ***PANGPUTHIPONG****, Wan Haslina* ***WAN ABDUL HALIM***

16:30 Optimizing OVD Use
Steve ***ARSHINOFF***

16:40 Making the Perfect Capsulorhexis
Mun Wai ***LEE***

16:50 My Top 5 Pearls for Small Pupil Patients
Joon Young ***HYON***

17:00 Cortical Clean-Up and Capsule Polishing
Hung Yuan ***LIN***

17:10 Watertight Incision Closure
Arup ***CHAKRABARTI***

17:20 Managing Small Pupils
Amit ***PORWAL***

Cornea, External Eye Diseases and Eye Banking

Endothelial Keratoplasty

Over the past two decades, there has been lots of exciting developments in endothelial keratoplasty

(EK). This symposium will cover the journey of commissioning an EK service, tips on indications for EK and surgical pearls, measures to enhance graft survival and future directions by esteemed speakers. This is a session not to be missed.

09:00 - 10:30 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): Frank **LARKIN**, Sujaya **SINGH**, Alvin **YOUNG***

09:00 Long-Awaited Endothelial Transplant in North Borneo Region
*On Heong **LIEW***

09:11 Quantified Impact of Surgeon Learning on Endothelial Keratoplasty Outcomes
*Frank **LARKIN***

09:22 Fuchs Endothelial Corneal Dystrophy – When to Perform Endothelial Keratoplasty
*Yoshinori **OIE***

09:33 Demystifying DMEK: Donor Centration and Unfolding Made Easy
*Anthony **ALDAVE***

09:44 Utilization of the Artificial Iris to Perform DMEK in Complex Cases
*Donald **TAN***

09:55 Preventive Treatment of Allograft Rejection After Endothelial Keratoplasty
*Stephanie **WATSON***

10:06 Future Directions for Endothelial Keratoplasty
*Shigeru **KINOSHITA***

Inflammatory Corneal Disorders

This session will attempt to explore the various types of inflammation which can affect the ocular surface and help enlighten us on the methods of managing these inflammatory keratitides. This is a valuable opportunity to widen the horizons of thought on inflammatory keratitides and to delve into the unknown territory of possible adverse effects of vaccination during the recent =COVID -19 pandemic.

14:30 - 16:00 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Anthony **ALDAVE**, Christopher **LIU**, Wan Haslina **WAN ABDUL HALIM***

14:30 Keratoendotheliitis Fugax Hereditaria
*Anthony **ALDAVE***

14:40 Long Term Visual and Retention Results of the OOKP
*Christopher **LIU***

14:50 Immune Keratitis Post-COVID 19 Vaccination
*Chandramalar **SANTHIRATHELAGAN***

15:00 Cicatrizing Conjunctivitis: Mucous Membrane Pemphigoid
*Elsie **CHAN***

15:10 Corneal Bee Sting: Toxic Keratopathy
*Shamala **RETNASABAPATHY***

15:20 Minimally Invasive Corneal Neurotization for Neurotrophic Keratopathy
*Jyh Haur **WOO***

15:30 Nummular Keratitis
*Yean-Yaw **CHOONG***

15:40 Surgical Considerations and Techniques in the Management of PUK
*Somasheila **MURTHY***

Evolving Academia, Research, Teaching and Education in Ophthalmology

Enhancing Education Through E-Learning

Ophthalmic education has been rapidly evolving to include e-learning based education in parallel with traditional face-to-face methods, accelerated by the COVID-19 pandemic. This session will cover educational concepts underpinning e-learning, followed by specific educational settings including webinars, apps, flipped classroom methodology and ophthalmology foundation e-learning resources.

14:30 - 16:00 **Venue: MEETING ROOMS 302-303 (Level 3)**
*Chair(s): Heather **MACK**, Eduardo **MAYORGA**, Norlina **RAMLI***

14:30 Learning Theories Underlying E-Learning
*Helena **FILIPE***

14:42 Maximizing Webinar Effectiveness: General Principles
*Mohd Aziz **HUSNI***

14:54 Maximizing Webinar Effectiveness: Interactivity
*Prashant **GARG***

15:06 Apps You Should Try
*Dexter **LEUNG***

15:18 Flipped Classroom
*Karl **GOLNIK***

15:30 OF Online Teaching Skills Series
*Eduardo **MAYORGA***

Glaucoma and Glaucoma Surgery

Epidemiology, Risk Factor, Lifestyle, and Genetics

This session will cover various topics of glaucoma in relation with epidemiology, risk factors, lifestyle changes and genetics including newer research in this area.

11:00 - 12:30 **Venue: CONFERENCE HALL 2 (Level 3)**
*Chair(s): Norman **AQUINO**, Vijaya **LINGAM**, Norlina **RAMLI***

11:00 Is Lifestyle Modification in Glaucoma As Important As in Cardiovascular Disease?
*Liza-Sharmini **AHMAD TAJUDIN***

11:10 Home Monitoring in Glaucoma: Can It Be a Reality?
*Jemaima **CHE HAMZAH***

11:20 Psychosocial Impact of JOAG in Adolescence: A Neglected Area
*Azhany **YAAKUB***

11:30 UK Glaucoma BioResource: A Disease-Specific Large-Scale Biobank of Tissue Samples and Clinical Data for Advancing Translational Research in Glaucoma
*Cynthia **YU-WAI-MAN***

11:40 Can We Effectively Screen for Angle Closure?
*Ronnie **GEORGE***

11:50 Severe Phenotype of Exfoliation Patients With CYP39A1 Mutations
*Mineo **OZAKI***

12:00 Intravitreal Injections and Risk of Glaucoma
*Aditya **SUDHALKAR***

12:10 Vascular Findings in Glaucoma: Cause or Confounder?
*Ingeborg **STALMANS***

Glaucoma Imaging (From Structure to Function)

This session will entail the advantages and disadvantages of glaucoma imaging from structure to function and will also cover not only imaging for diagnosis but also for progression of glaucoma.

14:30 - 16:00 **Venue: CONFERENCE HALL 2 (Level 3)**
*Chair(s): Kevin **CHAN**, Chan Yun **KIM**, Mimiwati **ZAHARI***

14:30 Diagnosing Glaucoma Progression With OCTA
*Christopher **LEUNG***

14:40 OCTA in High Myopia With Glaucoma
*Fengbin **LIN***

14:50 Anterior Segment OCT and Glaucoma
*Toru **NAKAZAWA***

15:00 The Structure-Function Relationship in Glaucoma
*Ryo **ASAOKA***

15:10 Quantitative Analysis of Choriocapillaris
*Srinivas **SADDA***

15:20 Sita Algorithms: Where Are We at Now?
*Amir **SAMSUDIN***

15:30 OCT Pearls and Pitfalls in Glaucoma
*Sanjay **ASRANI***

External Drainage Surgery for Glaucoma

External drainage surgeries for glaucoma, including trabeculectomy, implantation of various glaucoma drainage devices and the newer smaller incision external drainage device, will be discussed.

16:30 - 18:00 **Venue: CONFERENCE HALL 2 (Level 3)**
*Chair(s): Tan **DO**, Ming-Yueh **LEE**, Da-Wen **LU***

16:30 Bleb Needling: Is It Necessary?
*Norhalwani **HUSAIN***

16:40 Recognizing and Managing the Failing Filter
*Nilo Vincent **FLORCRUZ***

16:50 Tube Complications and Nightmare
*Joseph Anthony **TUMBOCON***

17:00 Phacotrabeculectomy: When and When
*Jose Maria **MARTINEZ***

17:10 My Early Experience With the Implantation of PGI
*Eng Hui **GAN***

17:20 Results of 2-Year Study of PreserFlo MicroShunt
*Joseph **PANARELLI***

17:30 Optimizing Outcomes of GDD
*Victor **KOH***

17:40 Ahmed with MMC in Pediatric Glaucoma
*Veronique **PROMELLE***

Miscellaneous

APAO Leadership Development Program (LDP) 2020-21 Graduating Class 1

Class 2020-21 participants will present their self-initiated LDP projects. The objective of the project is to enhance the ophthalmology profession, eye services and society at-large.

09:00 - 10:30 **Venue: MEETING ROOMS 302-303 (Level 3)**
*Chair(s): Marcus **ANG**, Muhammad **MOIN**, Sherman **VALERO***

09:00 YO Educational Symposium
*Yasuo **YANAGI***

09:08 Transitioning Post Graduate Training at Pacific Eye Institute / Fiji National University (FNU)
*Varanisese **NAVIRI***

09:16 Improving Public, Patient and Physician Education on Addressing Ocular Surface Inflammation in Dry Eye Disease (DED) Management
Alex Lap Ki ***NG***

09:24 The Effectiveness of Audiovisual Educational Intervention in Promoting Knowledge and Better Practice Among Patients of Anterior Uveitis Coming to Tilganga Institute of Ophthalmology
Anu ***MANANDHAR***

09:32 To Develop and Implement a Keratoconus Awareness Program for Optometrists and Study the Outcomes
Bhupesh ***SINGH***

09:40 A Study to Assess Clinicians' Motivation Towards Clinical Teaching and Its Barriers
Helena ***HURAIRAH***

09:48 Anterior Vitrectomy Workshops: Confidence Level, Knowledge and Practice Toward Anterior Vitrectomy
Kiet Phang ***LING***

09:56 Imaging and Counseling in Diabetic Retinopathy in Promoting Awareness and Compliance Among Diabetic Patients Attending Tertiary Eye Hospital
Eli ***PRADHAN***

10:04 "Clinical Optics: The Lecture Note": A Simple and Free Learning Material for Thai Ophthalmology Residents
Chaow ***CHAROENKIJKAJORN***

10:12 The Development of Retinopathy of Prematurity Screeners and Treatment Providers Registry: A Pilot Study
Rachelle ***ANZURES***

APOTS Symposium: Challenges and Solutions in Ophthalmic Trauma

Ophthalmic trauma is an important cause of visual impairment and monocular vision loss worldwide with a significant impact on medical care, vocational rehabilitation, and socioeconomic cost. Management must be timely, expert, and standardized. This is a comprehensive symposium on ophthalmic trauma management, delivered by field experts around the world.

09:00 - 10:30 **Venue: MEETING ROOMS 403-404 (Level 4)**
Chair(s): Liza-Sharmini ***AHMAD TAJUDIN, S NATARAJAN****, Hua* ***YAN***

09:00 Trauma From Violence
Amer ***AWAN***

09:10 Managing and Prioritizing Ophthalmic Trauma in a Multispecialty Hospital
Mariel Angelou ***PARULAN***

09:20 Education and Training in Ophthalmic Trauma
Tengku ***KAMALDEN***

09:30 Pediatric Trauma – Asian and Western Perspectives
Wai-Ching ***LAM***

09:40 Traumatic Rectus Muscle Injury
An-Guor ***WANG***

09:50 Combined Globe and Adnexal Injuries
Rajendra ***MAURYA***

10:00 Rehabilitation of the Traumatized Victim
Danial ***BOHAN***

APAO Leadership Development Program (LDP) 2020-21 Graduating Class 2

Class 2020-21 participants will present their self-initiated LDP projects. The objective of the project is to enhance the ophthalmology profession, eye services and society at-large.

11:00 - 12:30 **Venue: MEETING ROOMS 302-303 (Level 3)**
Chair(s): Vivek ***DAVE****, Madhuwanthi* ***DISSANAYAKE****, Linda* ***TSAI***

11:00 Orthoptist Led Stable Eye Disease Monitoring in Southwest Sydney
Jason ***CHENG***

11:08 Ocular Photo Screening of Children Under 5 Years in Province 1 of Nepal (CPS)
Ben ***LIMBU***

11:16 Counseling of Patients Undergoing Cataract Surgery for the Management of Diabetic Retinopathy
Irum ***RAZA***

11:24 Promotion of China Pediatric Disease Investigator Group
Chen ***ZHAO***

11:32 Use of Telemedicine in the Eye Department During COVID-19 Outbreak
Elenoa ***MATOTO-RAIKABAKABA***

11:40 Public Education and Fund-raising for Myopia Control of Children in Hong Kong
Raymond ***WONG***

11:48 Asian-Centric Clinico-Genomic Bio-Bank for Inherited Retinal Diseases
Xinyi ***SU***

11:56 Development of a Standard Protocol for Quantification of the Choroid Using Optical Coherence Tomography Angiography (OCTA)
Aniruddha ***AGARWAL***

12:04 Development and Advancement of Young Neuro-Ophthalmologist Community in China
*Shaoying **TAN***

Late-Breaking Updates

This session will present late-breaking study results for different subspecialties presented by key opinion leaders from around the world.

14:30 - 16:00 **Venue: MEETING ROOMS 304-305 (Level 3)**
*Chair(s): Charles **MCGHEE**, Jason **YAM**, Xinyuan **ZHANG***

14:30 Real World Efficacy, Durability and Safety of Faricimab in Neovascular Age-Related Macular Degeneration: The TRUCKEE Study
*Michael **SINGER***

14:40 Intravitreal Aflibercept 8 mg in Patients With Polypoidal Choroidal Vasculopathy (PCV): A Subgroup Analysis From the Phase 3 PULSAR Trial
*Gemmy **CHEUNG CHUI MING***

14:50 Choroidal Vasculature Remodeling in Pachychorid Spectrum Disorders
*Xinyuan **ZHANG***

15:00 Does Anti-VEGF Treatment Impact Retinal Non-perfusion in Diabetic Retinopathy?
*Varun **CHAUDHARY***

15:10 Latest Results on the Use of Atropine 0.05% for Myopia Control
*Jason **YAM***

15:20 Clinical Outcomes of Alginate-Preserved Human Limbus-Derived Limbal Mesenchymal Stem Cell Therapy for the Treatment of Corneal Scarring
*Sayan **BASU***

15:30 Corneal Cross-Linking in Pediatric Keratoconus: Information From the Keralink Randomized Trial
*Frank **LARKIN***

15:40 Understanding the Diagnosis and Management of Keratoconus in 2023: What's New, What Works, and What Remains?
*Charles **MCGHEE***

APAO Quiz

All registered delegates are invited to test their wits by attempting to answer 50 multiple-choice ophthalmology-related questions in the APAO Grand Quiz. Attractive prizes are assured for winners!

16:30 - 18:00 **Venue: MEETING ROOMS 304-305 (Level 3)**
*Chair(s): Quresh **MASKATI**, Mohd Mansor **SHARIFF**, Namrata **SHARMA***

Neuro-Ophthalmology

NANOS Symposium: Heated Debates in Neuro-Ophthalmology: A Civil War

This APAO-NANOS joint symposium focuses on the controversies in common neuro-ophthalmic conditions that ophthalmologists encounter in daily practice including optic neuritis, ischemic optic neuropathy, idiopathic intracranial hypertension, traumatic optic neuropathy, and ocular myasthenia. Come and join this fun and interactive session with 10 experts in the field. Let the war begin!

11:00 - 12:30 **Venue: MEETING ROOMS 406-407 (Level 4)**
*Chair(s): Andrew **LEE**, Dan **MILEA**, Wan Hazabbah **WAN HITAM***

11:00 Ischemic Optic Neuropathy: Aspirin Should Be Recommended in All Patients With Non-arteritic Anterior Ischemic Optic Neuropathy – YES
*Andrew **LEE***

11:07 Ischemic Optic Neuropathy: Aspirin Should Be Recommended in All Patients With Non-arteritic Anterior Ischemic Optic Neuropathy – NO
*Satoshi **KASHII***

11:14 Idiopathic Intracranial Hypertension: Lumbar Puncture Is Required in All Patients for Diagnosis of IIH – YES
*Vivek **LAL***

11:21 Idiopathic Intracranial Hypertension: Lumbar Puncture Is Required in All Patients for Diagnosis of IIH – NO
*Karl **GOLNIK***

11:28 Ocular Myasthenia: We Should Consider Thymectomy in Ocular Myasthenia – YES
*Carmen **CHAN***

11:35 Ocular Myasthenia: We Should Consider Thymectomy in Ocular Myasthenia – NO
*Celia **CHEN***

11:42 Traumatic Optic Neuropathy: Should Corticosteroid Be Given to All Patients With Traumatic Optic Neuropathy? – YES
*Chaow **CHAROENKIJKAJORN***

11:49 Traumatic Optic Neuropathy: Should Corticosteroid Be Given to All Patients With Traumatic Optic Neuropathy? – NO
*Hyun Jin **SHIN***

11:56 Optic Neuritis: Spinal MRI Should Be Routinely Performed in Every Patient With Clinical Isolated Optic Neuritis – YES
*Dan **MILEA***

12:03 Optic Neuritis: Spinal MRI Should Be Routinely Performed in Every Patient With Clinical Isolated Optic Neuritis – NO
An-Guor ***WANG***

Basic Neuro-Ophthalmology (Part 1)

This Basic Neuro-Ophthalmology Course is aimed for trainees and general ophthalmologists. It will provide practical management tips for commonly encountered neuro-ophthalmology problems in the general ophthalmology setting. It is divided into 2 parts. Part 1 will cover afferent neuro-ophthalmology presentations including swollen disc, visual field defect, visual loss of unknown cause, transient visual loss and how to differentiate glaucoma from non-glaucomatous optic neuropathy.

14:30 - 16:00 **Venue: MEETING ROOMS 401-402 (Level 4)**
Chair(s): Hyosook ***AHN****, Mohamad* ***SIDIK****, Wan Hazabbah* ***WAN HITAM***

14:30 Approach to Swollen Disc
Se Joon ***WOO***

14:45 Approach to Visual Field Defect
Wan Hazabbah ***WAN HITAM***

15:00 Approach to Visual Loss of Unknown Cause
Jing Liang ***LOO***

15:15 Approach to Transient Visual Loss
Alia ***ARIANTI***

15:30 Differentiating Glaucoma From Non-glaucomatous Optic Neuropathies
Karen ***REYES***

Basic Neuro-Ophthalmology (Part 2)

This Basic Neuro-Ophthalmology Course is aimed for trainees and general ophthalmologists. It will provide practical management tips for commonly encountered neuro-ophthalmology problems in the general ophthalmology setting. It is divided into 2 parts. Part 2 will cover efferent neuro-ophthalmology presentations, including diplopia, ptosis, and pupil abnormalities. In addition, the audience will learn how to interpret neuroradiology in relation to ophthalmology and find out how to make the best use of web resources and training opportunities in neuro-ophthalmology.

16:30 - 18:00 **Venue: MEETING ROOMS 401-402 (Level 4)**
Chair(s): Satoshi ***KASHII****, Clement* ***TAN****, Lakana Kumar* ***THAVARATNAM***

16:30 Approach to Diplopia
Andrew ***LEE***

16:45 Approach to Ptosis
Celia ***CHEN***

17:00 Approach to Pupil Abnormality
Jeong-Min ***HWANG***

17:15 Understanding Basic Neuro-Radiology Imaging
Rohit ***SAXENA***

17:30 Web Resources and Training Opportunities in Neuro-Ophthalmology
Rashmin ***GANDHI***

Ocular Imaging

APOIS Symposium: Ocular Imaging Updates for the Non-Specialist Ophthalmologists

APOIS has invited world-renowned experts to update non-specialist ophthalmologists on how to use ocular imaging techniques for common eye diseases as well as updates on image standardization.

09:00 - 10:30 **Venue: MEETING ROOMS 401-402 (Level 4)**
Chair(s): Gemmy ***CHEUNG CHUI MING****, Christopher* ***LEUNG****, Penny Pooi Wah* ***LOTT***

09:00 Imaging Updates on PCV by APOIS PCV Workgroup
Gemmy ***CHEUNG CHUI MING***

09:10 Imaging Updates on Pathological Myopia by APOIS Pathological Myopia Workgroup
Kyoko ***OHNO-MATSUI***

09:20 Imaging Updates on Angle Closure by APOIS Angle Closure Workgroup
Christopher ***LEUNG***

09:30 Imaging Updates on Myopic Glaucoma by APOIS Myopic Glaucoma Workgroup
Henry ***CHEN***

09:40 Imaging Updates on Uveitis
Quan Dong ***NGUYEN***

09:50 Imaging Update on Corneal Diseases
Haotian ***LIN***

10:00 Updates on Image Standardization
Michael ***CHIANG***

10:10 Imaging Updates on PDR
Jakob ***GRAUSLUND***

Real-World Applications of Anterior Segment Imaging

In this session the speakers will share the recent knowledge on the real-world applications of anterior segment imaging including AS-OCT imaging of angle closure glaucoma, filtering bleb, extraocular muscle, cornea, and ocular surface and AS-OCTA imaging in corneal disease, and imaging in ophthalmic trauma.

11:00 - 12:30 **Venue: MEETING ROOMS 304-305 (Level 3)**
Chair(s): Marcus ***ANG****, Othman* ***OTHMALIZA****, Kyung* ***SUNG***

11:00 AS-OCT in Angle Closure Glaucoma
*Kyung **SUNG***

11:10 AS-OCT in Extra Ocular Muscle Imaging
*Amar **PUJARI***

11:20 AS-OCT in Managing Corneal and Ocular Surface
*Khairidzan **KAMAL***

11:30 AS-OCT in Post Filtering Bleb
*Hong Kee **NG***

11:40 ASOCTA for Cornea Disease
*Marcus **ANG***

11:50 Diagnostic Imaging in Ophthalmic Trauma
*Eli **PRADHAN***

Ophthalmic Epidemiology and Prevention of Blindness

Universal Eye Health Coverage (UEHC): Public Health Country Perspective

Universal Eye Health Coverage (UEHC) conceptually means that all people should have access to the health services they need, when and where they need them, without financial hardship. This session is essential for the countries to share their perspectives and achievements, especially in integrating the concept into the wider health coverage.

16:30 - 18:00 **Venue: MEETING ROOMS 406-407 (Level 4)**
*Chair(s): Ivo **KOCUR**, Babar Qureshi **QURESHI**, Mohamad Aziz **SALOWI***

16:30 Latest UN and WHO Resolutions on Eye Health – Opportunities for the Ophthalmic Community
*Ivo **KOCUR***

16:39 New Approach to Developing a National Integrated People-Centered Eye Care Plan – Pakistan Experience
*Haroon **AWAN***

16:48 Development of Human Resources for Eye Health and Changing Needs
*Dr Babar Qureshi **QURESHI***

16:57 A National Model of Comprehensive Rural Eye Care Network Building – China
*Peter **XU***

17:06 Universal Eye Health Coverage in Malaysia: Challenges to Translate Policy Into Country Action?
*Nor Fariza **NGAH***

17:15 Universal Eye Health Coverage (UEHC): Thailand Experience in Managing Ophthalmic Drugs for UEHC
*Prut **HANUTSAHA***

17:24 The China Model of Integrating Refractive Service Into Universal Eye Health
*Fan **LU***

17:33 Universal Eye Health Coverage: Bangladesh Perspective
*Deen Mohd. **NOORUL HAQ***

Orbital and Oculoplastic Surgery

All You Want to Know About Eyelids Procedures

Eyelid procedures are the most common oculoplastic surgeries performed. The session has oculoplastic experts who will discuss common eyelid surgeries. The surgeries will be discussed in a simplified manner so that it is easy for young ophthalmologist and oculoplastic surgeons to comprehend and emulate in their day-to-day practice.

11:00 - 12:30 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Kasturi **BHATTACHARJEE**, Vanessa **NASEEM**, Hunter **YUEN***

11:00 Lower Eyelid Entropion Surgery Simplified
*Chee-Chew **YIP***

11:10 Brow Ptosis
*Dongmei **LI***

11:20 Epicanthoplasty Simplified
*Kyung In **WOO***

11:30 Upper Blepharoplasty Simplified
*Stephanie **YOUNG***

11:40 Ptosis Surgeries Simplified
*Kasturi **BHATTACHARJEE***

11:50 Lower Lid Blepharoplasty
*Milind **NAIK***

12:00 Surgical Repair of Eyelid and Lacrimal Injuries
*Wei **LU***

12:10 Eyelid Tumor Removal Simplified
*Rajendra **MAURYA***

12:20 Epiblepharon Simplified
*Siow Wei **TAN***

APSOPRS Symposium: Common Oculoplastic Surgeries: Expert's View

Experts from the Asia-Pacific region will share their latest insights on oculoplastic surgeries, mainly lacrimal surgery, and orbital fracture reconstruction. Innovative techniques such as conjunctivodacryocys

torhinostomy, controversial topics like the timing for acute dacryocystitis, and challenging cases such as the repair of failed orbital fracture reconstruction will be covered.

14:30 - 16:00 **Venue: MEETING ROOMS 406-407 (Level 4)**
*Chair(s): Dongmei **LI**, Norlaila **TALIB**, Kyung In **WOO***

14:30 Conjunctivodacryocystorhinostomy Using Stoploss Jones Tube
*Reynaldo **JAVATE***

14:40 Why Do I Prefer Early EDCR in Acute Dacryocystitis
*Hunter **YUEN***

14:50 Minimally Invasive Oculoplastic Procedures for Tear Deficiency/Dry Eyes
*Vanessa **NASEEM***

15:00 Autologous Ear Cartilage Graft for Lagophthalmos Caused by Facial Nerve Palsy
*Mary Rose **YAN***

15:10 Repeat Surgery Designs for the Failure Reconstruction of the Orbital Fracture
*Honglei **LIU***

15:20 Multiple Approaches for Managing Complex Ophthalmic Blunt Trauma
*Yunia **IRAWATI***

15:30 Blowout Fracture Repair
*Ho-Seok **SA***

15:40 Combination Treatments for Facial Rejuvenation
*Debraj **SHOME***

15:50 Recognizing CRAO Intraoperatively During Orbital Surgery and Management
*Lakshmi **MAHESH***

Oculoplastics High Court: My Judgment vs Yours

Despite good evidence, oculoplastics is full of controversies with art and experience playing a major role in the counseling and decision-making in patient care. This symposium by global and Asia-Pacific experts, will touch upon common dilemmas faced by young oculoplastic surgeons with a special presentation of common and serious medicolegal pitfalls.

16:30 - 18:00 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Peter **DOLMAN**, Fazliana **ISMAIL**, Gangadhara **SUNDAR***

16:30 TED: "Activity" Is Best Measured by the Clinical Activity Score – Yes
*Steven **COUCH***

16:35 TED: "Activity" Is Best Measured by the Clinical Activity Score – No
*Tian Loon **LEE***

16:40 Orbital Floor Fracture: Repair Should Ideally Be Offered Within 2 Weeks of the Accident – Yes
*Gangadhara **SUNDAR***

16:45 Orbital Floor Fracture: Repair Should Ideally Be Offered Within 2 Weeks of the Accident – No
*Ashok **GROVER***

16:50 Functional Epiphora: The Best Treatment Is Surgical (DCR, Silicone Intubation, or Lid Tightening)
*Yasser **KHAN***

16:55 Functional Epiphora: The Best Treatment Is Botulinum Neurotoxin Injection Into the Lacrimal Gland
*Peter **DOLMAN***

17:00 Eyelid Involutional Ptosis: The Best Approach Is Anterior (Transcutaneous)
*Zurina **ZAINAL ABIDIN***

17:05 Eyelid Involutional Ptosis: The Best Approach Is Posterior (Transconjunctival)
*Vanessa **NASEEM***

17:10 An Orbital Implant Should Be Avoided in Case of Globe Removal for Endophthalmitis or Panophthalmitis: Agreed
*Ben **LIMBU***

17:15 An Orbital Implant Should Be Avoided in Case of Globe Removal for Endophthalmitis or Panophthalmitis: Disagreed
*Syeed **KADIR***

17:20 Medicolegal Considerations in Oculoplastic Surgery
*Bernard **CHANG***

Pediatric Ophthalmology and Strabismus

IPOSC Symposium: Pediatric Ophthalmology and Strabismus Potpourri

Eye alignment is not only important for cosmetics. Binocular single vision is very important for all aspects of visual function. Strabismus case is challenging for strabismic surgeons. Various surprises of strabismus types can occur in all cases. Examination before surgery is very important to get a good result for strabismus. We should understand the anatomy and function of extraocular muscles, also vessels, and their nerves. In this session, we show several challenging cases of strabismus.

09:00 - 10:30 **Venue: MEETING ROOMS 304-305 (Level 3)**
*Chair(s): Shatriah **ISMAIL**, Feti **MEMED**, Faruk **ORGE***

09:00 Challenging Case 1
*Donny **SUH***

09:10 Challenging Case 2
*Faruk **ORGE***

09:20 Challenging Case 3
*Galton **VASCONCELOS***

09:30 Challenging Case 4
*Saurabh **JAIN***

09:40 Challenging Case 5
*Damla **CULHA***

09:50 Challenging Case 6: Esotropia to Exotropia Within Days: What Has Happened?
*Azlindarita **MOHD ABDULLAH***

10:00 Challenging Case 7
*Feti **MEMED***

APSPOS Symposium: Challenging and Interesting Cases

In this session, we will show you the points to safely and successfully perform difficult strabismus surgeries, and how to perform strabismus surgeries under local anesthesia or without an assistant. We will also show how to perform complicated pediatric cataract surgery safely.

11:00 - 12:30 **Venue: PLENARY THEATRE (Level 3)**
*Chair(s): Ramlee **AZURA**, Sonal **FARZAVANDI**, Miho **SATO***

11:00 Complications of Strabismus Surgery
*Miho **SATO***

11:10 Simplifying Complicated Pediatric Cataract Surgery
*Srijana **ADHIKARI***

11:20 Strabismus Surgery Without Assistant
*Takashi **NEGISHI***

11:30 Strabismus Reoperations: Points to Ponder
*Sonal **FARZAVANDI***

11:40 Optimizing Surgical Outcome for Sixth Nerve Palsy
*Chong-Bin **TSAI***

11:50 Strabismus Surgery Under Topical Anesthesia
*Siddharth **AGRAWAL***

12:00 Traumatic Pediatric Cataract Management
*Al Ajmi Muna **HASSAN***

Strabismus and Amblyopia

Amblyopia and strabismus are two most important causes of low vision in children. Strabismus can also lead to a drop in the quality of life in adults This symposium deals with some of the common as well as rarer forms of strabismus and strategies to deal with these. The symposium also includes newer forms of therapies in amblyopia such as dichoptic therapy. We are also presenting some new research in adult amblyopia.

14:30 - 16:00 **Venue: PLENARY THEATRE (Level 3)**
*Chair(s): Sumita **AGARKAR**, Fazilawati **QAMARUDIN**, Surendran **SUNDARARAJAN***

14:30 Congenital Cranial Dysinnervation Disorders 2023
*Arif **KHAN***

14:40 Strabismus After Trauma
*Andrea **MOLINARI***

14:50 Resurgery in Strabismus: Tips and Tricks
*Sumita **AGARKAR***

15:00 Acute Acquired Comitant Esotropia in Children
*Sachiko **NISHINA***

15:10 Management Strategies for 3rd Nerve Palsies
*Rohit **SAXENA***

15:20 Adult Amblyopia: Where Are We Now
*Yair **MORAD***

15:30 Binocular Therapy for Amblyopia
*Siew Yuen **GOH***

Refractive Surgery

Resolution of Problems in Refractive Surgery: My Most Interesting Case

Clinical cases are extremely important in medical education. The solution to problems in special cases brings a lot of insights into the diagnostic techniques and potential therapeutic approaches to solve problems in refractive, cornea and cataract surgery. This session is dedicated to this topic.

09:00 - 10:30 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Khairidzan **KAMAL**, Michael **KNORZ**, Mohamad **ROSMAN***

09:00 Case Related LASIK
*Johan **HUTAURUK***

09:10 Case Related to Premium IOL
*Gerd **AUFFARTH***

09:20 Case Related to IOL Calculation
*Han Bor **FAM***

09:30 Case Related to Phakic IOL
*Michael **KNORZ***

09:40 Case Related to Toric IOL
*Naren **SHETTY***

09:50 Case Related to SMILE
*Mohamad **ROSMAN***

10:00 Case Related to Post Premium IOL Followed by Lasik Procedure
*Umi Kalthum **MD NOH***

Refractive Lens Exchange, Techniques, IOLs, Pros, and Cons, When to Do It?

Refractive lens exchange has limits and red lines not to be crossed. This session is dedicated to the ethics, practice, and patient selection for refractive lens exchange in the different refractive errors correctable by this technique.

11:00 - 12:30 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Jorge **ALIO**, Aloysius **LOW**, Minoru **TOMITA***

11:00 History and Complications of Refractive Lens Exchange
*Andrzej **GRZYBOWSKI***

11:10 How to Plan a More Appropriate Intervention in Lens Exchange Cases With Asymmetric Astigmatism
*Hung Yuan **LIN***

11:20 'Refractive Lens Exchange' in Very High Hyperopia/ Nanophthalmos
*Gaurav **LUTHRA***

11:30 Patients' Selection for Refractive Lens Exchange
*Minoru **TOMITA***

11:40 Navigating the Presbyopia-Correcting IOL Selection Challenge
*Francesco **CARONES***

11:50 Success Is When Persistence Meets Preparation
*Erik **MERTENS***

12:00 Managing Residual Refractive Error
*Thomas **KOHNEN***

Phakic IOLs: For All Refractive Errors or Only for Some?

In this session the always challenging topic of phakic IOLs will be approached for the correction of limit cases and presbyopia. Better calculation methods and new technologies available for posterior chamber phakic lenses will also be provided.

16:30 - 18:00 **Venue: CONFERENCE HALL 1 (Level 3)**
*Chair(s): Robert **ANG**, John **CHANG**, Jan Bond **CHAN***

16:30 ICL in High Myopia and High Astigmatism
*Jan Bond **CHAN***

16:40 ICL in Low Myopia
*Sang-Youp **HAN***

16:50 ICL in FFKC or KC or Post Laser
*Amir **HAMID***

17:00 ICL in Presbyopes
*Robert **ANG***

17:10 ICL Sizing: Options and Recommendations
*Kimiya **SHIMIZU***

17:20 Surgical Pearls for ICL Implantation and Explantation
*John **CHANG***

17:30 Posterior Chamber Lenses: Other Alternatives to ICL
*Jorge **ALIO***

17:40 ICL Complications and Management
*Ik Hee **RYU***

Retina (Medical)

Geographic Atrophy and Inherited Retinal Diseases

Several entities associated with macular atrophy will be updated in this session, including recent randomized clinical trials for geographic atrophy in age-related macular degeneration, pathologic myopia, Stargardt disease, retinal transplantation, and updates on therapeutic approaches for inherited retinal diseases including RNA interference therapy.

09:00 - 10:30 **Venue: CONFERENCE HALL 2 (Level 3)**
*Chair(s): Tara **GEORGE**, Srinivas **SADDA**, Mandeep **SINGH***

09:00 Potential Treatments for Myopia
*Li Jia **CHEN***

09:10 Understanding iRORA and cRORA
*Srinivas **SADDA***

09:20 Complement Inhibitor Clinical Trials
*Suber **HUANG***

09:30 Treatments for Stargardt Disease
*Hendrik **SCHOLL***

09:40 Retina Transplantation Update
*Mandeep **SINGH***

09:50 Therapeutic Approaches for Inherited Retinal Diseases (IRD)
*Hwei Wuen **CHAN***

10:00 RNA Interference Therapy for CEP-290 IRD
*Bart **LEROY***

AI in Retinal Diagnostics

This session will focus on the role of artificial intelligence (AI) in retinal diagnostics. Presentations include deployment of AI-assisted screening in clinical practice settings, ethical considerations in AI for

ophthalmology, AI and pathologic myopia, and AI in the prevention of retinopathy of prematurity.

11:00 - 12:30 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): T.Y. Alvin **LIU**, Nor Fariza **NGAH**, Daniel **TING***

11:00 Deployment of AI-Assisted Diabetic Retinopathy Screening in Clinical Practice Settings
*T.Y. Alvin **LIU***

11:15 AI for Retinal Diseases: Global Trend
*Daniel **TING***

11:30 Potential Impact of AI Chatbots for Editors, Authors, and Readers of Peer-Reviewed Ophthalmic Literature
*Neil **BRESSLER***

11:45 Role of AI in Pathologic Myopia
*Kyoko **OHNO-MATSUI***

12:00 AI for Primary, Secondary, and Tertiary Prevention of ROP
*John **CAMPBELL***

Retina (Surgical)

Macular Surgery

This session covers all aspects of macula hole and epiretinal membrane repair.

14:30 - 16:00 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): Andrew **CHANG**, Barkeh Hanim **JUMAAT**, Chi-Chun **LAI***

14:30 Myopic Macular Hole Detachment
*Peiquan **ZHAO***

14:40 Macular Hole Flaps and Adjuvants
*Chi-Chun **LAI***

14:50 Management of Recurrent Macula Hole
*Nuttawut **RODANANT***

15:00 Intraoperative OCT
*Makoto **INOUE***

15:10 ERM Functional Assessment of Outcomes
*Andrew **CHANG***

15:20 Staging of Myopic Traction Maculopathy
*Mushawiahti **MUSTAPHA***

15:30 Macula Buckle
*Pradeep **SUSVAR***

APAO-AAO Joint Session: Pediatric Retina

Pediatric surgical retina session has made huge progress recently. The use of anti-VEGF has changed greatly how we treat pediatric retina disorders. Novel imaging tools such as SD-OCT has improved our understanding of microstructures changes in these diseases. Artificial intelligence algorithms are developing fast and are applied to pediatric retinal diseases to improve clinical care. The section will highlight the recent advances in pediatric retina disorders. The learning objectives are hoping the audience gains updated knowledge on pediatric retinal disorders and learns how to manage these cases appropriately.

16:30 - 18:00 **Venue: CONFERENCE HALL 3 (Level 3)**
*Chair(s): R.V. Paul **CHAN**, Manoharan **SHUNMUGAM**, Wei-Chi **WU***

16:30 ROP Retinal Detachment: Two Decades of Improving Outcomes in the UK
*Sui Chien **WONG***

16:40 ROP 2022: Challenges and Solutions
*Rajvardhan **AZAD***

16:50 Surgical Treatment for CXLRS With Bullous Schisis Cavity
*Shunji **KUSAKA***

17:00 Reactivation After Anti-VEGF Treatment for ROP
*Sang Jin **KIM***

17:10 Imaging in Pediatric Retina
*Gavin **TAN***

17:20 Computer-Aided Analysis of Retinal Vascular Angle and Width in ROP
*Wei-Chi **WU***

17:30 Real World Implementation of Technology for ROP Care
*R.V. Paul **CHAN***

Translational and Visual Sciences Research

Innovative Translational Research

Translational research is the end-product of years of research. It is the innovation in research that pushes our field forward. In this session we will listen to innovative research in the field of eye disease. Some of which are in the pre-clinical stage, while others are in clinical trials. It covers from oral therapy to improve corneal nerve regeneration, to ocular surface and corneal endothelial regeneration. Assessment of biomarkers is made for glaucoma surgery as well as understanding basic mechanisms of new topical therapies for glaucoma. In addition, using stem cells is for understanding optic nerve disease and for the treatment of corneal disorders.

11:00 - 12:30 **Venue: MEETING ROOMS 401-402 (Level 4)**
*Chair(s): Jodhbir **MEHTA**, Bakiah **SHAHARUDDIN**, Motokazu **TSUJIKAWA***

11:00 Lipid-Lowering Drugs on Corneal Nerve Regeneration
*Yu-Chi **LIU***

11:10 Superiority of Mature Differentiated Cultured Human Corneal Endothelial Cell Injection Therapy for Bullous Keratopathy
*Morio **UENO***

11:20 Ocular Surface Regeneration
*Bakiah **SHAHARUDDIN***

11:30 Mitotherapy
*Shi Yan **NG***

11:40 Live Imaging for the Enhanced Trabecular Aqueous Outflow After the Topical Administration of ROCK Inhibitor Antiglaucoma Ophthalmic Solution in the Human Eye
*Masaru **INATANI***

11:50 Understanding Optic Nerve Disease Using Stem Cell Derived Retinal Ganglion Cells
*Shweta **SINGHAL***

12:00 Umbilical Cord Derived Stem Cells in the Treatment of Blinding Corneal Disorders
*Jie **ZHANG***

12:10 Can Pathology and Molecular Pathology Improve Outcomes of Glaucoma Surgery?
*Deepak **EDWARD***

Autoimmune Eye Diseases: From Pathogenesis to Treatment

Autoimmune eye diseases can lead to irreversible blindness. Some forms of autoimmune eye diseases are chronic, recurrent, and difficult to be treated. This session will cover some of the latest findings in disease mechanisms and novel treatment development in various autoimmune eye diseases. Better understanding of these autoimmune eye diseases is important to help our patients.

14:30 - 16:00 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Wai Kit **CHU**, Peter **MCCLUSKEY**, Azhany **YAAKUB***

14:30 Gut Microbiota and HLA-B27 AAU Pathogenesis
*Peter **MCCLUSKEY***

14:40 Treatment of Vogt-Koyanagi-Harada Syndrome
*Peizeng **YANG***

14:50 The Intraocular Microbiota
*Richard **LEE***

15:00 Role of Growth Hormone Releasing Hormone Receptor (GHRH-R) in Experimental Autoimmune Uveitis
*Wai Kit **CHU***

15:10 OASIS – A Centralized Registry for Autoimmune Disease
*Rupesh **AGRAWAL***

15:20 Non-viral Gene Therapy Approach in the Treatment of Uveitis and Other Retinal Diseases
*Francine **BEHAR-COHEN***

15:30 Emerging Therapeutic Target and the Reality in Graves' Orbitopathy
*Jin Sook **YOON***

FEB 26, 2023 (SUN)

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology

APTOS-DOS Joint Session on Digital Health

Asia Pacific Tele-Ophthalmology Society (https://asiateleophth.org) and Digital Ophthalmic Society (https://www.digitalophthalmicsociety.com) have the great privilege to host this joint symposium to share their new insights specifically on how to adopt new technology and digital health to create new ways to deliver eye care globally.

11:00 - 12:30 **Venue: MEETING ROOMS 302-303 (Level 3)**
*Chair(s): Jemaima **CHE HAMZAH**, Mingguang **HE**, Paisan **RUAMVIBOONSUK***

11:00 Virtual Reality Metaverse: Is This Real?
*Eric **ROSENBERG***

11:10 Precision Medicine and the Future of Healthcare
*Ranya **HABASH***

11:20 Innovations and Eye Care Delivery
*Lama **AL-ASWAD***

11:30 Digital Health: New Model of Care in Japan
*Hitoshi **TABUCHI***

11:40 Digital Health: New Model of Care in Thailand
*Paisan **RUAMVIBOONSUK***

11:50 Digital Health: New Model of Care in China
*Haotian **LIN***

12:00 Digital Health: New Model of Care in Australia
Mingguang ***HE***

Evolving Academia, Research, Teaching and Education in Ophthalmology

APAO-AAPPO Joint Session: Workshop on Academic Writing and Publishing

The workshop is designed to help clinicians and researchers to improve their skills in manuscript writing and publishing. We invited the editor-in-chiefs of JAMA Ophthalmology, British Journal of Ophthalmology, Asia-Pacific Journal of Ophthalmology, Eye, Ophthalmic Epidemiology, among others to covers several topics, including the structure and format of a scientific manuscript, best practices for presenting research findings, and strategies for improving the clarity and impact of writing.

11:00 - 12:30 **Venue: MEETING ROOMS 304-305 (Level 3)**
Chair(s): Ching-Yu ***CHENG****, Jost* ***JONAS****, Nurliza* ***KHALIDDIN***

11:00 Guidelines That May Contribute to a Great Original Investigation in a Top Journal
Neil ***BRESSLER***

11:13 The Rules and Elements of Scientific Writing
Frank ***LARKIN***

11:26 How to Create an Attractive Title and Abstract
Sobha ***SIVAPRASAD***

11:39 What Should I Write for Methodology?
Liza-Sharmini ***AHMAD TAJUDIN***

11:52 How to Design and Present Figures and Tables
Ching-Yu ***CHENG***

12:05 The Editorial Process, Peer Review, and Manuscript Revision
Jost ***JONAS***

Glaucoma and Glaucoma Surgery

Cataract or Refractive Surgery in Patients With Glaucoma

Discussions will include glaucoma patients with coexistent cataracts and problems with managing such patients, and also managing glaucoma patients requiring refractive cataract surgery.

09:00 - 10:30 **Venue: CONFERENCE HALL 2 (Level 3)**
Chair(s): Virna ***ASRORY****, Puspha* ***RAMAN****, Visanee* ***TANTISEVI***

09:00 Refractive Errors and Biometry of Primary Angle-Closure Disease in a Mixed Malaysian Population
Jelinar ***MOHAMED NOOR***

09:10 Cataract Surgery in the PXF Patient
Shamira ***PERERA***

09:20 Should Glaucoma Patients Have Multifocal IOLs?
Catherine ***LIU***

09:30 Tips for Combined Cataract and Glaucoma Surgery
Amit ***PORWAL***

09:40 How to Do Cataract Surgery on a Patient Who Has a Bleb
Prin ***ROJANAPONGPUN***

09:50 Does Lens Extraction Lower IOP Sustainably in POAG and OHT
Vijaya ***LINGAM***

10:00 Secondary Intraocular Lens Implantation Combined With Goniotomy in GFCS
Yu ***ZHANG***

Miscellaneous

Medicolegal in Ophthalmology: Ophthalmic Trauma

Eye injuries are a leading cause of monocular vision loss internationally and represent a significant challenge for even the most experienced ophthalmologist, due to their relative rarity and urgency. In this session, participants will learn about the current and the key issues within the medicolegal landscape.

09:00 - 10:30 **Venue: MEETING ROOM 410 (Level 4)**
Chair(s): Rupesh ***AGRAWAL****, Tengku* ***KAMALDEN****, Julian* ***TAGAL***

09:00 Beware of the Medicolegal Pitfalls With Specifics About Managing a Patient in Emergency
Charlaine ***CHIN***

09:30 Fireside Chat on Medicolegal Issue With Charlaine Adrienne Chin
Rupesh ***AGRAWAL****, Annette* ***HOSKIN****, Julian* ***TAGAL***

10:00 Open Q&A

Ocular Imaging

Latest Development in Anterior and Posterior Imaging

This session will cover the latest developments in anterior and posterior imaging. This includes 3-D imaging of the anterior segment, retinal OCT analysis,

new imaging modalities of macula and optic nerve diseases.

09:00 - 10:30 **Venue: MEETING ROOMS 304-305 (Level 3)**

*Chair(s): Zunaina **EMBONG**, Stewart **LAKE**, Christopher **LEUNG***

09:00 3D Imaging of the Anterior Segment with Ultrasound Biomicroscopy
*Faruk **ORGE***

09:10 Papillomacular and Papillofoveal Bundle Defects in Glaucoma
*Christopher **LEUNG***

09:20 Retinal OCT Shape Analysis
*Stewart **LAKE***

09:30 New Imaging Modalities for Assessment of Macular Diseases
*Srinivas **SADDA***

09:40 Imaging the Glymphatic System of the Optic Nerve
*Kevin **CHAN***

09:50 AI-Integrated Handheld Fundus Camera for Glaucoma Detection
*Thasarat **VAJARANANT***

Ophthalmic Epidemiology and Prevention of Blindness

Building Integrated People-Centred Eye Care – Country Experience

Integrated people-centred eye care (IPEC) is defined as people-centred services related to eye care that are managed and delivered so that people receive a continuum of health interventions covering all spectrums of eye care delivery, coordinated across the different levels and sites of care within and beyond the health sector. Although IPEC is ideal, the implementation varies from country to country due to local limitations.

09:00 - 10:30 **Venue: MEETING ROOMS 406-407 (Level 4)**

*Chair(s): Prut **HANUTSAHA**, Mohamad Aziz **SALOWI**, Suraj **SENJAM***

09:00 Integrate Refractive Services Into Eyecare Services: China Experience
*Fan **LU***

09:10 Working With Multi-Disciplinary Health Care Personnel to Provide Eye Care for Diabetic Patients
*Prut **HANUTSAHA***

09:20 Working in Team to Help Patients Requiring Corneal Transplantation
*Suntaraporn **TITASAMANONT***

09:30 Assistive Technology for Visual Impairment-Met and Unmet Needs in Low-Middle Income Countries
*Suraj **SENJAM***

09:40 Integrated People Centered Eye Care: India Experience
*Rohit **KHANNA***

09:50 Integrated People Centered Eye Care: Nepal Experience
*Yuddha **SAPKOTA***

10:00 Delay in the Implementation of Integrated People Centered Eye Care in the Malaysian Eye Health Care System
*Mohamad Aziz **SALOWI***

Novel Approaches to Delivering Care for Glaucoma and Diabetic Retinopathy in Asia-Pacific Region

Glaucoma and Diabetic Retinopathy contribute to a substantial percentage of the cause of blindness in the Asia-Pacific region. It is due mainly to the socioeconomic and geographical variations in the region. Innovations in delivering these services are essential to ensure optimum coverage and access to the people.

11:00 - 12:30 **Venue: MEETING ROOMS 406-407 (Level 4)**

*Chair(s): Nor Anita **CHE OMAR**, Nathan **CONGDON**, Ava **HOSSAIN***

11:00 Evidence and Models for DR Screening Using AI: The Orbis Experience
*Nathan **CONGDON***

11:10 Recent Advances for Early Management of DR
*Eli **PRADHAN***

11:20 Epidemiology of DR in Asia Pacific Region
*Dipak **NAG***

11:30 Advances of Artificial Intelligence in Glaucoma Management
*Xiulan **ZHANG***

11:40 Technology Enabled Rural Eye Care Delivery Model for Glaucoma and Diabetic Retinopathy at LV
*Niroj **SAHOO***

11:50 Training DR Graders to Recognize Glaucomatous Optic Nerves in Vietnam
*Thu Huong **HA***

12:00 Community Screening of Glaucoma and the Economic Evaluation
*Yuanbo **LIANG***

Orbital and Oculoplastic Surgery

Tips and Tricks in Orbital and Sockets Surgeries

Following enucleation or evisceration surgery, there would be anatomical and physiological changes over a period of time. A proper management and the choice of orbital implant are of the utmost importance. Orbital implant made of synthetic materials might cause an extrusion or exposed condition, hence, the management should be considered meticulously by every surgeon. Severe contracted socket may also cause a sunken and deep sulcus superior, hypoglobus, and enophthalmos that would impair the aesthetic function. Consideration for volume augmentation in an anophthalmic socket is also paramount to refine the surgical outcomes. In general, each technique has its benefits and drawbacks. Therefore, the choice of surgical technique and orbital implant needs to be tailored to every patient's needs. This course provides various techniques such as instruction in primary and secondary socket reconstruction, massive orbital meningioma, transconjunctival orbitotomy, orbital wall fracture repair, and oculo-adnexal vascular malformations from the experts in the field.

09:00 - 10:30 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Yunia **IRAWATI**, Gina **KOURT**, Zurina **ZAINAL ABIDIN***

09:00 Massive Orbital Meningioma – Yes, We Can Preserve the Globe!
*Hanida **HANAFI***

09:10 Transconjunctival Orbitotomy: Planning and Execution
*Akshay **NAIR***

09:20 Examination of the Socket and Tips for Dealing With Exposed Implants
*Gina **KOURT***

09:30 Volume Augmentation Techniques in Anophthalmic Socket
*Francesco **QUARANTA-LEONI***

09:40 Tips and Tricks on Selection of Various Implants of Various Implants for Anophthalmic Socket
*Masashi **MIMURA***

09:50 Severe Contracted Socket, Tips and Tricks
*Purjanto **UTOMO***

10:00 Pearls and Pitfalls in Complex Orbital Wall Fracture Repair
*Nattawut **WANUMKARNG***

10:10 Oculoadnexal Vascular Malformations
*Fairooz Puthiyapurayil **MANJANDAVIDA***

Updates on TED Every Ophthalmologist Should Know

In this symposium, experts from around the world will provide important updates on understanding, evaluating, and managing thyroid eye disease from medical, injectables to surgical treatments. These updates will be useful for comprehensive ophthalmologists, oculoplastic and thyroid eye disease specialists.

11:00 - 12:30 **Venue: MEETING ROOMS 403-404 (Level 4)**
*Chair(s): Alice Siew Ching **GOH**, Chong **LUNG**, Jin Sook **YOON***

11:00 Updates on Epidemiology and Managing Dysthyroidism
*Mohd Shazli **DRAMAN***

11:10 Updates on Pathogenesis
*Jin Sook **YOON***

11:20 Updates on Imaging and Serologic Evaluation
*Chong **LUNG***

11:30 Updates on Medical Treatments
*Alan Chun Hong **LEE***

11:40 Updates on Injectables
*Alice Siew Ching **GOH***

11:50 Updates on Eyelid Operations
*Helen **LEW***

12:00 Updates on Orbital Decompression
*Huifang **ZHOU***

12:10 Updates on Aesthetic Rehabilitation for TED Patients
*Robert **GOLDBERG***

Pediatric Ophthalmology and Strabismus

What's New in Pediatric Neuro-Ophthalmology?

Join our symposium featuring a panel of renowned international experts on the latest updates in pediatric neuro-ophthalmology ranging from diagnostic challenges, genetics, and the latest management guidelines. The presentations in these topic areas will give key take-home points to audience members that have implications for clinical practice.

09:00 - 10:30 **Venue: PLENARY THEATRE (Level 3)**
*Chair(s): Pik Kee **CHIN**, Carmen **CHAN**, An-Guor **WANG***

09:00 Ten-Year Review of Neuroimaging in Acute Pediatric Strabismus
*Cheefoong **CHONG***

09:10 Current Treatment of Optic Nerve Glioma
*Rozalina **LOEBIS***

09:20 Clinical Manifestation and Genetic Spectrum of LHON
An-Guor ***WANG***

09:30 Update on Pediatric Optic Neuritis
Hee Kyung ***YANG***

09:40 Papilloedema in Children: Causes and Effects of Action
May-May ***CHOO***

09:50 Updates on Cerebral Visual Impairment
Richard ***BOWMAN***

10:00 What's New in Ocular Motility Disorders in Children
Ramesh ***KEKUNNAYA***

Pediatric Cataract – Holistic Management

Pediatric cataracts are more crucial than adults as these kids have to live for almost 70-80 years. Proper and timely intervention can help in improving the visual outcome. Preoperative workup, proper surgical techniques, and meticulous postoperative follow-up and rehabilitation protocols will be discussed.

11:00 - 12:30 **Venue: PLENARY THEATRE (Level 3)**
Chair(s): Shuaibah ***AB GHANI****, Sudarshan* ***KHOKHAR****, Rita* ***S SITORUS***

11:00 Introduction

11:02 SFIOL in Pediatric Cases
Shuan ***DAI***

11:10 Preoperative Checkup and Evaluation (Emphasis on UBM)
Faruk ***ORGE***

11:20 Anesthetic Implications (Emphasis on Syndromic Children With Cataract)
Dilip ***SHENDE***

11:28 Surgical Pearls With Emphasis on Capsular Management, Anterior Vitrectomy, and IOL Insertions
Sudarshan ***KHOKHAR***

11:40 Surgical Pearls in Abnormally Sized Eyes, Viz. – Microphthalmos, Megalophthalmos
M.Edward ***WILSON***

11:50 Iris Claw and AC IOLs etc. Except SFIOL
Jamalia ***RAHMAT***

12:00 Post Operative Care and Rehabilitation
Connie ***LAI***

Refractive Surgery

Advanced Corneal Topography Course for Refractive and Corneal Surgeons

The use of corneal topography in refractive and cataract surgery has been expanding. The current instruction course will showcase clinical application of advanced modalities in corneal topography, including anterior segment optical coherence tomography (OCT), epithelial mapping, posterior corneal curvature evaluation, Scheimpflug technology, and densitometry.

09:00 - 10:30 **Venue: CONFERENCE HALL 1 (Level 3)**
Chair(s): Han Bor ***FAM****, Khairidzan* ***KAMAL****, Tetsuro* ***OSHIKA***

09:00 Corneal Topography for Premium Cataract Surgeon
Hungwon ***TCHAH***

09:15 Anterior Segment OCT for Refractive Surgeon
Khairidzan ***KAMAL***

09:30 Utilization of Epithelial Mapping in Refractive Surgery
Pooja ***KHAMAR***

09:45 How Do I Use Anterior Curvature, Pachymetry, and Posterior Map in My Practice
Han Bor ***FAM***

10:00 Scheimpflug Technology and Densitometry Data for Cornea and Refractive Surgeon
Fangjun ***BAO***

ISRS Symposium: Premium Lenses in Refractive Surgery: Which Will Be the Winner, Multifocal vs EDOF vs Accommodative?

The ISRS is the worldwide society dedicated to the development of refractive lens and corneal surgery based on evidence. This session will be dedicated to premium IOLs in refractive surgery. The relative advantages and disadvantages of multifocal and EDOF and new accommodative IOLs is provided with evidence-based information.

11:00 - 12:30 **Venue: CONFERENCE HALL 1 (Level 3)**
Chair(s): Jorge ***ALIO****, John* ***CHANG****, Yean-Yaw* ***CHOONG***

11:00 The Synergy Trifocal IOL
Michael ***KNORZ***

11:10 Multifocal vs EDOF vs Accommodative – Which Is Better?
John ***CHANG***

11:20 Customized Refractive Surgery Beyond (Not Over) the Cornea: Multimodal Imaging for Premium IOLs
Renato ***AMBROSIO***

11:30 IC8 Apthera Small Aperture IOL
Robert ***ANG***

11:40 The Lumina Accommodating IOL
Jorge ***ALIO***

11:50 The Results of New Trifocal IOL
Minoru ***TOMITA***

12:00 ...And the Winner Is: Binocular Trifocality With Complementary IOL Systems
Gerd ***AUFFARTH***

Retina (Medical)

APVRS Symposium: Advances in Macular Disease Diagnosis and Management

This session, in conjunction with the APVRS, will provide updates on trials for polypoidal choroidal vasculopathy, including rescue PDT or dexamethasone, managing optic pits, type 3 macular neovascularization, PDT versus subthreshold laser for central serous chorioretinopathy, faricimab for macular edema from retinal vein occlusions, macular neovascularization in pathologic myopia.

09:00 - 10:30 **Venue: CONFERENCE HALL 3 (Level 3)**
Chair(s): Kenneth ***FONG****, Timothy* ***LAI****, Paisan* ***RUAMVIBOONSUK***

09:00 Six-Year Follow-up of EVEREST II and PLANET
Gemmy ***CHEUNG CHUI MING***

09:10 Faricimab for Retinal Vein Occlusion (1y COMINO and BALATON Results)
Timothy ***LAI***

09:20 Challenges in Diagnosis and Management of Type 3 Macular Neovascularization
Seung Young ***YU***

09:30 Challenges in Management of Macular Neovascularization in Pathologic Myopia
Keiko ***KATAOKA***

09:40 Subthreshold Laser vs PDT Laser for Central Serous Chorioretinopathy
Lihteh ***WU***

09:50 Dexamethasone Implant for Anti VEGF Resistant PCV
Raja ***NARAYANAN***

10:00 Optic Disc Pitless Retinopathy
Adrian ***FUNG***

Neovascular AMD Including Polypoidal Choroidal Vascuolopathy (PCV)

The diagnosis and management of neovascular age-related macular degeneration (nAMD), including polypoidal choroidal vasculopathy (PCV) is evolving. This session will provide updates on diagnosing PCV and its masquerades, with OCT and without PCV, treating PCV with and without PDT, and treatment and monitoring strategies for nAMD, including use of faricimab.

11:00 - 12:30 **Venue: CONFERENCE HALL 2 (Level 3)**
Chair(s): Voraporn ***CHAIKITMONGKOL****, Gemmy* ***CHEUNG CHUI MING****, Jun Shyan* ***WONG***

11:00 Diagnosing PCV With OCT and Without ICG
Voraporn ***CHAIKITMONGKOL***

11:15 Time for Targeted Screening for nvAMD?
Richard ***GALE***

11:30 Aflibercept Monotherapy for PCV
Won Ki ***LEE***

11:45 Treatment and Monitoring Strategies for NAMD
Barkeh Hanim ***JUMAAT***

12:00 Masquerades for PCV
Gemmy ***CHEUNG CHUI MING***

12:15 Faricimab for nAMD: 2 Year Results
Kenneth ***FONG***

Retina (Surgical)

Surgical Video Show: Repair the Retina

Retinal detachment repair is one of the commonest vitreoretinal surgical procedures performed all over the globe. While a routine fresh rhegmatogenous retinal detachment repair is a fairly predictable surgery, quite a few eyes are presented with a more complex clinical scenario. Tackling such cases optimally requires a greater level of surgical skill and innovation. In the current symposium a panel of highly experienced surgeons will enlighten the audience with their preferred approaches, and share tips and tricks to navigate successfully through some of the more difficult and complex settings of retinal detachment.

11:00 - 12:30 **Venue: CONFERENCE HALL 3 (Level 3)**
Chair(s): Vivek ***DAVE****, Makoto* ***INOUE****, Wee Min* ***TEH***

11:00 Giant Retina Tears: Size Matters
Manish ***NAGPAL***

11:07 Challenges in Fixing Detached Pediatric Retina
Wei-Chi ***WU***

11:14 Vitrectomy for Myopic Traction Maculopathy
Adrian ***FUNG***

11:21 Retinal Detachment in Trauma – Case Based Learnings
Vivek ***DAVE***

11:28 Heads-up Surgery for Complicated Cases
Makoto ***INOUE***

11:35 How to Remove Subfoveally Retained Perfluorocarbon Liquid
*Yuki **MORIZANE***

11:42 Cost Effective Unassisted Peripheral Vitrectomy
*Wilson **WONG***

11:49 Induction of Posterior Vitreous Detachment During Micro-Incision Vitrectomy Surgery
*Young Hee **YOON***

11:56 Retinal Surgery With Cornea Decompensation and Keratoprosthesis
*Gavin **TAN***

12:03 Management in Bilateral Eales Disease
*Gitalisa **ADRIONO***

Translational and Visual Sciences Research

The Next Frontier of Vitreo-retina: Stem Cells and Retinal Regenerative Medicine

Cell-based therapy holds promise for the repair of degenerative and dysfunctional retinas and restoring vision in patients with a wide variety of hereditary and degenerative diseases of the posterior segment. Knowledge is emerging regarding optimal methods to transplant retinal pigment epithelium cells in patients with age-related macular degeneration, and methods to culture photoreceptor cells in three-dimensional retinal organoids for the purposes of therapeutic transplantation. This session will highlight the latest advances in retinal cell therapy and retinal regenerative medicine.

09:00 - 10:30 **Venue: MEETING ROOMS 401-402 (Level 4)**
*Chair(s): Amir **SAMSUDIN**, Mandeep **SINGH**, Xinyi **SU***

09:00 Cord-Lining iPSC – An Alternative Hypo-Immunogenic Stem Cell for Retinal Therapy
*Xinyi **SU***

09:10 Stem Cell Therapy for Photoreceptor Degeneration
*Ting **XIE***

09:20 Retinal Regenerative Medicine Using iPS Cells
*Yasuo **KURIMOTO***

09:30 Using CRISPR Technology and Biomaterial to Direct iPS Cell Differentiation
*Raymond C.B. **WONG***

09:40 A Phase I/IIA Trial to Test Safety and Feasibility of an Autologous IPS Cell-Derived Retinal Pigment Epithelium Patch in Age-Related Macular Degeneration Patients
*Kapil **BHARTI***

09:50 Mesenchymal Stem Cell Therapy for Optic Nerve Injury
*Mae-Lynn Catherine **BASTION***

10:00 Organelle Therapy in Retinal Degenerative Diseases
*Calvin **PANG***

10:10 Trans-retinal Migration of Transplanted Human Retinal Organoid-Derived Cells
*Mandeep **SINGH***

Coming Together to Tackle Rare Diseases: Insights From Consortium and Registry Studies on Inherited Retinopathies

Owing to the relative rarity of inherited retinopathy, studies on clinical-pathological features, natural history, and potential outcome measures are hampered by the difficulty in recruiting adequate numbers of probands for such studies. In response to this challenge, several international consortia and registries have been launched, combining the clinical resources and expertise of research centers and teams around the world. This session will highlight consortium and registry-based efforts to study the clinical features, natural history, and genotype-phenotype correlations of a range of inherited retinopathies.

11:00 - 12:30 **Venue: MEETING ROOMS 401-402 (Level 4)**
*Chair(s): Tengku **KAMALDEN**, Matthew **SIMUNOVIC**, Mandeep **SINGH***

11:00 KCNV2-Retinopathy: Structural, Functional and Genetic Findings From an International Retrospective Natural History Study
*Michel **MICHAELIDES***

11:10 Diverse Genetic Landscape of Suspected Retinitis Pigmentosa in a Large Korean Cohort
*Joo Yong **LEE***

11:20 East Asia Inherited Retinal Disease Society: Clinical and Genetic Characteristics of a Large Cohort of Occult Macular Dystrophy
*Kaoru **FUJINAMI***

11:30 The Fight Inherited Retinal Blindness! Registry
*Matthew **SIMUNOVIC***

11:40 FFB International Clinical Consortium Overview
*Mandeep **SINGH***

11:50 AAV-Mediated Gene Replacement Therapy for Bietti Crystalline Corneoretinal Dystrophy
*Liping **YANG***

12:00 Genotype-Phenotype Insights From the RUSH2A Natural History Study
*Robert **HUFNAGEL***

12:10 Elucidating the Natural History of Stargardt Disease and Establishing Outcome Measures for Interventional Trials: The ProgStar Study
*Hendrik **SCHOLL***

12:20 Gene and Cell therapies for Inherited Retinal Dystrophy
*Hwei Wuen **CHAN***

INSTRUCTION COURSES

FEB 23, 2023 (THU)

Cataract and Cataract Surgery

Optimizing Outcomes in Challenging Situations in Phacoemulsification

09:00 - 10:30 **Venue: MEETING ROOMS 302-303 (Level 3)**
*Chair(s): Jeewan **TITIYAL***

09:00 Femtosecond Lasers in Subluxated Lens
*Jeewan **TITIYAL***

09:10 Premium IOL Implantation in Posterior Capsular Rent
*Jeewan **TITIYAL***

09:20 Premium IOLs- Enhancing Postoperative Outcomes and Problem Solving
*Manpreet **KAUR***

09:32 Phacoemulsification in Incomplete/ Torn Anterior Capsulorhexis in White Cataract
*Soon-Phaik **CHEE***

09:44 Posterior Polar Cataract With Pre-Existing Defect
*Jeewan **TITIYAL***

09:56 Utility Of Intraoperative Oct in Phacoemulsification
*Ronald **YEOH***

Evolving Academia, Research, Teaching and Education in Ophthalmology

New Age Innovative Pedagogy for e-Ophthalmology / Come Experience it in 4D with Augmented Reality

14:30 - 16:00 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Prasanna **RAMESH***

14:30 The Augmented Reality (AR) Innovator - Incepting Gameful 4d Learning in Ophthalmology (Gamification)
*Prasanna **RAMESH***

14:42 The Academic Film Maker - How to Direct Ophthalmic Movies for Film Festivals and Premier Leagues?
*Prithvi **CHANDRAKANTH***

14:54 The Eye Application Creator - How to Innovate Apps in Ophthalmology for Organized Cult Pedagogy?
*John **AKKARA***

15:06 The Ophthalmic Moving Image (Animation) Specialist - How to Make Ophthalmic 2D and 3D Animations?
*Shruthy Vaishali **RAMESH***

15:18 Live Demonstration Of The New Age 4D Innovative Immersive Photoreal Gameful Pedagogy App (Eye_MG_AR)
*Anugraha **BALAMURUGAN***

15:38 The PowerPoint/Keynote Presenter - How to Modify Slide Presentation for Virtual Ophthalmic Webinars?
*Puja **MAITRA***

Orbital and Oculoplastic Surgery

Current Practice in Congenital Ptosis

14:30 - 16:00 **Venue: MEETING ROOMS 302-303 (Level 3)**
*Chair(s): Ashok **GROVER***

14:30 Introduction: Marcus Gunn Ptosis/ Blepharophimosis Syndrome
*Ashok **GROVER***

14:48 Strategies for Mild Ptosis: Fasanella Servat Surgery And Mmcr, Frontalis Sling Surgery: Fascia Lata
*Rwituja **THOMAS***

15:04 Levator Surgery Including Supramaximal Resection
*Muhammad **MOIN***

15:14 Frontalis Sling Surgery: Synthetic Materials
*Ben **LIMBU***

15:22 Role of Evaluation in Decision Making
*Apjit **KAUR***

Congenital Anomalies and Anophthalmic Socket: Management Algorithm

16:30 - 18:00 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Syeed **KADIR***

16:30 Grading of Contracted Socket and Current Modalities of Lower Fornix Reconstruction
Syeed ***KADIR***

16:42 Blepharophimosis Syndrome: Stage Wise Management
Yvette Marie ***SANTIAGO***

16:54 Management of Congenital Orbital Anomalies
Rajendra ***MAURYA***

17:06 Enucleation and Evisceration: Maximizing Orbital Volume
Ben ***LIMBU***

17:18 Congenital Eyelid Deformity: Embryogenesis and Management
Dongmei ***LI***

17:30 Socket Reconstruction: Tips for Best Results
Lakshmi ***MAHESH***

Pediatric Ophthalmology and Strabismus

Managing Strabismus: Basics to Complex Cases

09:00 - 10:30 **Venue: MEETING ROOM 410 (Level 4)**
Chair(s): Rohit ***SAXENA***

09:00 Duane Syndrome: Customized Surgical Approach
Rohit ***SAXENA***

09:10 Surgical Planning in Monocular Elevation Deficit
Rohit ***SAXENA***

09:20 VI Nerve Palsy: Update
Rebika ***DHIMAN***

09:30 Approach to Esotropia
Asmita ***MAHAJAN***

09:40 Case-Based Approach to III Nerve Palsy
Parag ***TYAGI***

Refractive Surgery

SMILE/ Contoura LASIK/ PRK or Phakic Lens? What Should I Offer My Patient?

14:30 - 16:00 **Venue: MEETING ROOM 410 (Level 4)**
Chair(s): Gaurav ***LUTHRA***

14:30 When to SMILE Over Other Procedures?
Gaurav ***LUTHRA***

14:40 Phakic Lenses- Expanding Indications
Kumar ***DOCTOR***

14:50 Why Surface Ablation Is Still Around and Popular After 30 Years of LVC?
Rishi ***SWARUP***

15:00 Refractive Lens Exchange- Can We? Should We? When and How?
Rohit ***OM PARKASH***

15:10 When to Offer Contoura LASIK Over Other Procedures?
Kavita ***RAO***

Retina (Surgical)

Management of Retinal Detachment Complicated by Corneal Opacity

09:00 - 10:30 **Venue: MEETING ROOM 405 (Level 4)**
Chair(s): Jocelyn ***SY***

09:00 Optimizing Corneal Clarity During Vitrectomy
Jocelyn ***SY***

09:15 Management of High IOP to Improve Corneal Clarity
Jose Maria ***MARTINEZ***

09:30 Tips and Tricks in Using Temporary Keratoprosthesis During Vitrectomy
Lawrence Marlon ***PE***

09:45 Techniques in Performing Vitrectomy via Temporary Keratoprosthesis
Kristine ***PORMIDA***

10:00 Endoscopy in Posterior Segment Surgery
Camille Elaine ***ZABALA***

FEB 24, 2023 (FRI)

Cataract and Cataract Surgery

Intraocular Lens Implantation Options in the Absence of Capsular Support

09:00 - 10:30 **Venue: MEETING ROOM 405 (Level 4)**
Chair(s): Wilson ***WONG***

09:00 Overview of IOL Options in the Absence of Capsule Support
Wee Min ***TEH***

09:15 Retropupillary Artisan Iris Fixated IOL implantation
*Wilson **WONG***

09:30 Modified Yamane Technique
*Haslina **MOHD ALI***

09:50 Technique Not in Flavor but Still Does the Favor
*Manoharan **SHUNMUGAM***

10:10 Case Presentations
*Kiet Phang **LING***

Cornea, External Eye Diseases and Eye Banking

Comprehensive Guide to Managing Ocular Complications of Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis in Asians

11:00 - 12:30 **Venue: MEETING ROOMS 302-303 (Level 3)**
*Chair(s): Kendrick **SHIH***

11:00 Diagnosis and Classification: Prognostic Implications
*Kendrick **SHIH***

11:10 Management of Acute Ocular Surface Inflammation: Paradigm Shift Towards Early Amniotic Membrane Transplantation
*Alex Lap Ki **NG***

11:25 Use of Scleral Lenses for Visual and Ocular Surface Rehabilitation
*Vanissa **CHOW***

11:40 Ocular Surface Reconstruction/ Management in Stevens Johnson Syndrome/Toxic Epidermal Necrolysis Patients
*Koji **KITAZAWA***

11:55 Cataract surgery in cicatrizing conjunctivitis
*Hon Shing **ONG***

Neuro-Ophthalmology

Diagnosing and Managing the Great Masquerade: Ocular Myasthenia

14:30 - 16:00 **Venue: MEETING ROOM 410 (Level 4)**
*Chair(s): Sameera **IRFAN***

14:30 IC
*Sameera **IRFAN***

Ocular Imaging

OCT and OCT Angiography in Macular Disorders

14:30 - 16:00 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Faruque **GHANCHI***

14:30 Lead
*Faruque **GHANCHI***

Orbital and Oculoplastic Surgery

All About the Socket!

09:00 - 10:30 **Venue: MEETING ROOMS 302-303 (Level 3)**
*Chair(s): Sunny **SHEN***

09:00 Best Practice in Managing Congenital Microphthalmia
*Sunny **SHEN***

09:12 Dealing With the Exposed Implant and Other Socket Complications
*Audrey **LOOI***

09:24 Vital Principles and Surgical Pearls for Success in Socket Surgery
*Gangadhara **SUNDAR***

09:36 Indications for Evisceration, Enucleation and Exenteration
*Blanche **LIM***

09:48 Fitting the Ocular Prosthesis – The Fundamentals and Challenges
*Suriya **ABU WALED***

Eyelid Trauma and Deformities: Tips and Tricks to Manage Difficult Situations

11:00 - 12:30 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Golam **HAIDER***

11:00 Update on the Management of Traumatic Ptosis
*Golam **HAIDER***

11:15 Primary Eyelid Repair
*Mukti **MITRA***

11:25 Lagophthalmos – How to Correct?
*Rwituja **THOMAS***

11:35 Lateral Canthal Deformity- Challenge of Prevention and Management
*Rohit **SAIJU***

11:45 Current Concepts in Management of Medial Canthal Injuries Including Canalicular Lacerations and Deformities
*Ashok **GROVER***

Retina (Medical)

Evidence-based Management of Postoperative Endophthalmitis

11:00 - 12:30 **Venue: MEETING ROOM 410 (Level 4)**
*Chair(s): Joveeta **JOSEPH***

11:00 Presentation
*Joveeta **JOSEPH***

11:20 Presentation
*Tat Keong **CHAN***

11:35 Presentation
*Manoharan **SHUNMUGAM***

11:50 Presentation
*Taraprasad **DAS***

12:05 Presentation
*Vivek **DAVE***

FEB 25, 2023 (SAT)

Cornea, External Eye Diseases and Eye Banking

Climb Every Mountain: Cornea Tomography Interpretation

11:00 - 12:30 **Venue: MEETING ROOM 410 (Level 4)**
*Chair(s): Vanitha **RATNALINGAM***

11:00 Topography vs Tomography
*Sujaya **SINGH***

11:20 Interpreting Tomography Maps
*John **MATHEN***

11:40 Tomography and Corneal Ectasia
*Vanitha **RATNALINGAM***

12:00 Tomography in Refractive Surgery
*Hoon Hoon **KHAW***

Management of Anterior Segment Injuries of the Eye: Current Trends and Controversies

16:30 - 18:00 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Tuhin **CHOWDHURY***

16:30 Ocular Trauma Classification and Controversies
*On Heong **LIEW***

16:50 Management of Scleral and Corneal Lacerations
*Tuhin **CHOWDHURY***

17:10 Management of iris Injuries
*Aditya **PRADHAN***

17:30 Controversies in the Management of Lens Injuries
*Mrinmoy **DAS***

Intraocular Inflammation, Uveitis and Scleritis

Endophthalmitis - Prophylaxis and Management

09:00 - 10:30 **Venue: MEETING ROOM 410 (Level 4)**
*Chair(s): Lalit **VERMA***

09:00 Introduction
*Harbansh **LAL***

09:05 Vitrectomy in Endophthalmitis
*Lalit **VERMA***

09:20 Post Operative Reaction –Inflammation Vs Infection
*Avnindra **GUPTA***

09:30 Diagnosis and Initial Approach
*Mallika **GOYAL***

09:40 Preoperative & Intraoperative Measures to Minimize the Occurrence of Endophthalmitis
*Rajesh **SINHA***

Ocular Imaging

Retinal OCT Made Easy

09:00 - 10:30 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Hon Seng **WONG***

09:00 Know Your A B Cs
*Wilson **WONG***

09:20 OCT Features in Common Retinal Diseases
*Hazlita **ISA***

09:40 Pearls and Pitfalls in Retinal OCT Imaging
*Hon Seng **WONG***

10:00 Navigating OCT-Angiography
*Manoharan **SHUNMUGAM***

Ocular Oncology and Pathology

Ocular Brachytherapy: Indications and Techniques

11:00 - 12:30 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Arun **SINGH***

11:00 Introduction
*Arun **SINGH***

11:05 Radiation principles
*Tengku **KAMALDEN***

11:20 Indications
*Vishal **RAVAL***

11:35 Surgical Techniques
*Arun **SINGH***

11:37 Outcomes
*Gavin **TAN***

11:57 Complications
*Arun **SINGH***

12:12 Panel Discussion& Questions
*Gavin **TAN***

Ocular Surface Tumors: Common and Uncommon Variants

16:30 - 18:00 **Venue: MEETING ROOM 410 (Level 4)**
*Chair(s): Sujaya **SINGH***

16:30 Introduction
*Arun **SINGH***

16:33 Diagnostic Methods
*Sujaya **SINGH***

16:41 Sample Handling and Processing
*Wan Haslina **WAN ABDUL HALIM***

16:49 Differential Diagnosis
*Arun **SINGH***

17:02 Management Options
*Arun **SINGH***

17:15 Management of CIN
*Chandramalar **SANTHIRATHELAGAN***

17:28 Management of PAM/ Melanoma
*Arun **SINGH***

17:41 Management of Conj/Adnexal Lymphoma
*Arun **SINGH***

17:54 Panel Discussion & Questions
*Chandramalar **SANTHIRATHELAGAN***

Retina (Medical)

Subthreshold Laser for Macula Diseases

09:00 - 10:30 **Venue: MEETING ROOMS 406-407 (Level 4)**
*Chair(s): Kenneth **FONG***

09:00 Welcome and Introduction
*Kenneth **FONG***

09:02 Fundamentals and Evolution of Subthreshold Laser
*Lihteh **WU***

09:17 Guidelines for Subthreshold Laser
*Kenneth **FONG***

09:22 Subthreshold Laser for CSCR
*Alejandro **FILLOY RIUS***

09:37 Subthreshold Laser for DME
*Anand **RAJENDRAN***

09:52 Case Studies
*Marten **BRELEN***

10:07 Case Studies
*Xinyuan **ZHANG***

10:17 Q & A

Data-Driven Management of Diabetic Retinopathy for the Comprehensive Ophthalmologist

14:30 - 16:00 **Venue: MEETING ROOM 410 (Level 4)**
*Chair(s): Michael **STEWART***

14:30 Lecture
*Michael **STEWART***

Retina (Surgical)

Surgical Management for the Vitreo-Retinal Complications of Pathological Myopia: Approaches and Considerations

14:30 - 16:00 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Shu-Yen **LEE***

14:30 Complications of Pathological Myopia: Diagnosis and Indications for Surgery
*Andrew **TSAI***

14:45 Vitrectomy in a Highly Myopic Eye: Surgical Consideration and Use of Intraoperative OCT
*Gavin **TAN***

15:00 Management of Myopic Macular Schisis
*Shu-Yen **LEE***

15:15 Management of Retinal Detachment in High Myopes
*Edmund **WONG***

15:30 Management of Myopic Macular Holes With and Without Detachment
*Doric **WONG***

15:45 Discussion / Video Cases

FEB 26, 2023 (SUN)

Cataract and Cataract Surgery

Worst Case Scenarios – A Video-Based Course in Cataract Surgery

09:00 - 10:30 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Mahipal **SACHDEV***

09:00 Phacoemulsification in Compromised Corneas
*Mahipal **SACHDEV***

09:10 Phacoemulsification in the Unstable Bag
*Kumar **DOCTOR***

09:20 Pupil & Iris Issues: Expanders & Reconstruction
*Gaurav **LUTHRA***

09:30 Tackling the Hard Nut
*Mohan **RAJAN***

09:40 Posterior Polar Cataract Pearls
*Jeewan **TITIYAL***

09:50 Femtolaser Frontiers & Pars Plans Instrumentation for the Anterior Segment Surgeon
*Mahipal **SACHDEV***

IOL FIXATION TEHCNIQUES

11:00 - 12:30 **Venue: MEETING ROOM 405 (Level 4)**
*Chair(s): Mohan **RAJAN***

11:00 PCR Ten Commandments
*Mohan **RAJAN***

11:15 Sutured Scleral fixation and Management of Subluxated IOLs
*Soon-Phaik **CHEE***

11:30 Glued IOL – Tips and Tricks
*Sujatha **MOHAN***

11:45 Double Needle Technique – Pearls & Pitfalls
*Shin **YAMANE***

12:00 CM T FLEX IOL - New Option for Aphakia
*Nivean **MADHIVANAN***

Cornea, External Eye Diseases and Eye Banking

Cataract Surgery in Presence of Corneal Problems

09:00 - 10:30 **Venue: MEETING ROOM 409 (Level 4)**
*Chair(s): Abhijeet **DESAI***

09:00 Cataract in Compromised Endothelium
*Abhijeet **DESAI***

09:10 Cataract surgery in setting of corneal grafts
*Rishi **SWARUP***

09:20 MSICS in Complex Cases
*Quresh **MASKATI***

09:30 Phacoemulsification in Small Scarred Irregular Corneas
*Somasheila **MURTHY***

09:40 Cataract in Post-refractive Eyes
*Gaurav **LUTHRA***

09:50 Cataract With Ocular Surface Disorders
*Parul **SHARMA***

Peripheral Ulcerative Keratitis: A Diagnostic and Management Dilemma

11:00 - 12:30 **Venue: MEETING ROOM 410 (Level 4)**
*Chair(s): Somasheila **MURTHY***

11:00 Peripheral Ulcerative Keratitis: Clinical Features and Differential Diagnosis
*Kavita **RAO***

11:20 Mooren's Ulcer: What Is It, Why Is It and How to Recognize It
*Quresh **MASKATI***

11:40 Guidelines in Medical Management
*Somasheila **MURTHY***

12:00 Surgical Interventions
*Rajesh **FOGLA***

12:20 Discussion

Retina (Surgical)

Vitreo-Retinal Surgeon's Nightmares!

09:00 - 10:30 **Venue: MEETING ROOMS 302-303 (Level 3)**
*Chair(s): Bhuvan **CHANANA***

09:00 Uncontrolled Bleeding During Diabetic Vitrectomy
*Bhuvan **CHANANA***

09:15 Slippage of Giant Retinal Tear Flap: What to Do Next?
*Shih Jen **CHEN***

09:30 My Infusion Cannula Is Not in Position: Subretinal or Suprachoroidal Displacement of Infusion Cannula
*Andrew **CHANG***

09:45 Sub-macular Hemorrhage During Vitrectomy for Retinal Detachment: How to Proceed
*Gavin **TAN***

WET LABORATORY COURSES

FEB 25, 2023 (SAT)

Glaucoma and Glaucoma Surgery

Gonioscopic Glaucoma Surgery

11:00 - 13:00 **Venue: MEETING ROOM 408 (Level 4)**
*Chair(s): Dharmendra **PATEL***

11:00 Gonioscopic Glaucoma Surgery
*Dharmendra **PATEL***

Retina (Surgical)

Visualization Systems and Basics of Pars Plana Vitrectomy

08:30 - 10:30 **Venue: MEETING ROOM 408 (Level 4)**
*Chair(s): Vivek **DAVE***

08:30 Basic Vitrectomy Steps
*Vivek **DAVE***

08:56 Types of Viewing Systems
*Vaibhav **SETHI***

09:23 Machine Set Up and Instrumentation for Vitrectomy
*Carlo **NASOL***

09:50 Basic steps in vitrectomy
*Hung Da **CHOU***

FEB 26, 2023 (SUN)

Cataract and Cataract Surgery

Masterclass on Anterior Vitrectomy for Phaco Surgeons

08:30 - 10:30 **Venue: MEETING ROOM 408 (Level 4)**
*Chair(s): Kiet Phang **LING***

08:30 Pars Plana Anterior Vitrectomy
*Kiet Phang **LING***

08:35 Strategies of Anterior Vitrectomy
*Wilson **WONG***

08:40 Basic Skills of Anterior Vitrectomy
*Wee Min **TEH***

Retina (Surgical)

Posterior Vitrectomy Wet Lab Instruction Course

11:00 - 13:00 **Venue: MEETING ROOM 408 (Level 4)**
*Chair(s): Hussain **KHAQAN***

11:00 1
*Hussain **KHAQAN***

11:05 2
*Tatyana **AVANESOVA***

11:15 3
*Ahmed **SALLAM***

11:20 4
*Sengul **OZDEK***

11:30 5
*Gitalisa **ADRIONO***

11:35 6
*Kiet Phang **LING***

FREE PAPERS

FEB 23, 2023 (THU)

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology

Rapid Fire Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology Update Session

14:30 - 16:00 **Venue: MEETING ROOM 409 (Level 4)**
*Chair(s): Dan **MILEA**, Kanchalika **SATHIANVICHITR***

14:30 Automated Classification of Angle Closure Mechanisms Based on Anterior Segment Optical Coherence Tomography Images via Deep Learning
*Ye **ZHANG***

14:36 Risk of Autoimmune Diseases Following Optic Neuritis: A Nationwide Population-Based Cohort Study
*Chee Ming **LEE***

14:42 The Philippine Peso Bill as an Alternative Near Visual Acuity Chart in Filipino Eyes: A Pilot Study
*Lee Jerome **BRIONES***

14:48 AI-based Clinical Assessment of Optic Nerve Head Robustness Superseding Biomechanical Testing
*Fabian **BRAEU***

14:54 Smartphone-Acquired Anterior Segment Images for Deep Learning Prediction of Anterior Chamber Depth: A Proof-of-Concept Study
*Chaoxu **QIAN***

15:00 Application of Artificial Intelligence Based Dual Modality Analysis Combining Fundus Photography and Optical Coherence Tomography in Diabetic Retinopathy Screening in Community Hospitals
*Qingchen **LI***

15:06 A Multi-Modal Explainable Artificial Intelligence (XAI) System to Personalize Diabetic Retinopathy (DR) Screening
*Feihui **ZHENG***

15:12 Evaluating the Accuracy of Conditional Class Generation of Synthetic Diabetic Retinopathy Fundus Images Using Style-Based Generative Network
*Gilbert **LIM***

15:18 Comparison of Retinal, Slit-Lamp and Anterior Diffuse Photograph-Based Deep Learning Models in Detecting Visually Significant Cataract
*Yih-Chung **THAM***

15:24 A Non-invasive Method to Analyze Spontaneous Blink Using a Commercially Available Camera and Machine Learning Approach
*Watsaporn **PORNWATANACHAROEN***

15:30 Deep Learning-Based Glaucoma Progression Prediction Guided by Generative Algorithms
*Shaista **HUSSAIN***

15:36 Explainable Deep Learning System for Automatic Diagnosis of Thyroid Associated Orbitopathy Using Facial Images
*Hoi Ching **CHEUNG***

15:42 A Deep Learning System Can Discriminate Between Papilledema and Optic Disc Drusen on Fundus Photographs
*Kanchalika **SATHIANVICHITR***

Orbital and Oculoplastic Surgery

Rapid Fire Orbital and Oculoplastic Surgery Update Session

14:30 - 16:00 **Venue: MEETING ROOMS 406-407 (Level 4)**
*Chair(s): Pimkwan **JARU-AMPORNPAN**, Hunter **YUEN***

14:30 Detailed Eye Movements Before and After Simultaneous Bilateral Orbital Decompression for Protruding Eyes in Thyroid Eye Disease
*Tomoyuki **KASHIMA***

14:35 Silicone Rod Frontalis Suspension in Patients With Chronic Progressive External Ophthalmoplegia (CPEO): Outcomes and Complications
*Sumer **DOCTOR***

14:40 Z-Plasty for a Dystopic Eyebrow
Juhi ***DAGA***

14:45 Eosinophilic Orbital Myositis Presenting With Isolated Unilateral Severe Ptosis: A Case Report
Nizma ***PERMAISUARI***

14:50 Detection of Active Signs Thyroid Eye Disease in Photographs: Reliability and Correlation With Clinical Treatment Decision
Min Joung ***LEE***

14:55 Does Preoperative Horizontal Lid Laxity Affect the Postoperative Outcome of Single and Combined Techniques of Lower Eyelid Involutional Entropion Surgeries? A Hospital Based Retrospective Comparative Study
Aashish ***PANT***

15:00 Sub-Eyebrow Blepharoplasty With Dermal Stacking: A Novel Approach to Fill the Superior Orbital Rim Hollow in East Asian Eyelids
Pallavi ***SINGH***

15:05 Transcutaneous Retrobulbar Amphotericin-B (TRAMB) Injections for the Management of Post- SARS-CoV-2 Rhino-Orbital-Cerebral Mucormycosis (ROCM)
Pallavi ***SINGH***

15:10 Visual Outcomes and Factors Affecting Incomplete Visual Recovery After Dysthyroid Optic Neuropathy Treatment
Pimkwan ***JARU-AMPORNPAN***

15:15 Efficacy of Intra-venous Methyl Prednisolone (IVMP) Pulse Therapy With Immunomodulation: A Protocol Based Approach in Active Thyroid Eye Disease (TED)
Subhav ***PERSHAD***

15:20 Pakistan Eye Cancer Survey Results
Tayyab ***AFGHANI***

15:25 Core-Needle Biopsy of Orbital Tumors: 15-Year Experience
Andrey ***YAROVOY***

15:30 Ocular Surface Changes In in Immunoglobulin G4 -Related Ophthalmic Disease
Kenneth ***LAI***

15:35 Complications of Delayed Tube Removal After DCR Surgery, in the COVID Era
Purnima ***RAJKARNIKAR STHAPIT***

15:40 Clinical Significance of Corneal Striae in Thyroid Associated Orbitopathy
Xulin ***LIAO***

Pediatric Ophthalmology and Strabismus

Rapid Fire Pediatric Ophthalmology and Strabismus Update Session (1)

09:00 - 10:30 **Venue: MEETING ROOM 409 (Level 4)**
Chair(s): Fabiola ***JEREZ***

09:00 Outcomes of Four-Point Sutured Scleral-Fixated Intraocular Lens Implantation Using Gore-Tex Suture in Pediatric Eyes
Li Yen ***CHAN***

09:06 Trabeculotomy Versus Trabeculectomy With Mitomycin C for Primary Congenital Glaucoma in Malaysia
Wei Loon ***NG***

09:12 Knowledge, Attitude, and Practice Patterns Related to Digital Eye Strain Among Parents of Children Attending Online Classes in the COVID-19 Era: A Cross-sectional Study
Kirandeep ***KAUR***

09:18 Histologic Findings in Retinoblastoma With Magnetic Resonance Imaging Detected Post-laminar Optic Nerve Invasion
Chanyanut ***PHLAIPHICHIT***

09:24 Astigmatism in Children and Adults of Hong Kong
Arnold ***CHEE***

09:30 Efficacy of Oral Citicoline as an Adjuvant Therapy in the Treatment of Adult Amblyopia
Deepanshu

09:36 Role of Video Games as a Form of Near Visual Activities in Adult Amblyopia
Rishabh ***SAH***

09:42 Incidence and Risk Factors for Retinopathy of Prematurity - An Experience of a Tertiary Medical College Hospital
Utpal ***SEN***

09:48 Retinoblastoma: Global Strata in Treatment Outcomes, Strata Mobility and Associated Factors
Wai Chak ***CHOY***

09:54 Horizontal Recti Down Displacement for Unilateral Dissociated Vertical Deviations - A Case Series
Akshay ***MOHAN***

10:00 Twelve-Year Review of Children With Retinoblastoma in Queensland, Australia
Ye ***LI***

10:06 Outcomes of Vision Screening in School Children Aged 4-7 in Queensland, Australia
Ye ***LI***

10:12 "How Successful Is Full-time Patching in Amblyopia, of Any Severity and at Any Age?"
Sameera ***IRFAN***

Refractive Surgery

Rapid Fire Refractive Surgery Update Session

16:30 - 18:00 **Venue: MEETING ROOM 409 (Level 4)**
Chair(s): Alex Lap Ki ***NG***

16:30 Functional Outcomes and Reading Speeds Following Presbyond LBV Using Non-linear Aspheric Ablation Profiles Combined With Micro-Monovision
Smith ***SUTE***

16:36 Comparing the Clinical Outcome of Transepithelial Photorefractive Keratectomy and Traditional Photorefractive Keratectomy in Correction of Moderate Myopia: A Randomized Clinical Trial
Nader ***NASSIRI***

16:42 Comparison of Postoperative Haze in Photorefractive Keratectomy Among Patients With Low Myopia and Ablation Depth of Less Than 70 Micron With and Without Mitomycin C Application
Nader ***NASSIRI***

16:48 Corneal Epithelial and Stromal Thickness Profile After Photorefractive Keratectomy (PRK) Using Anterior Segment Optical Coherence Tomography (AS-OCT)
Basitali ***LAKHANI***

16:54 Visual, Refractive and Biomechanical Comparison of 110- and 145-µm SMILE Cap Thickness: A Comparative Randomized Contralateral Eye Study
Siamak ***ZAREI-GHANAVATI***

17:00 Knight With or Without Armor: Ocular Viscoelastic Devices (OVD) vs OVD Free Implantation of ICL's
Pavitra ***BALAKRISHNAN***

17:06 The Effect of 0.1% Ciclosporin Cationic Emulsion on the Ocular Surface After Small Incision Lenticule Extraction (SMILE)
Alex Lap Ki ***NG***

17:12 Outcomes of SmartSight for the Treatment of Myopic-Astigmatism With the SCHWIND ATOS Comparing Low Energy Asymmetric Spacings With High Energy Symmetric Spacings
Kishore ***PRADHAN***

17:18 The Impact of Corrected Refractive Power on Corneal Denervation and Ocular Surface in SMILE and LASIK
Chang ***LIU***

17:24 Small Incision Lenticule Extraction and the Visumax 800 (SMILE PRO): Experience in the First 200 Cases at a Private Ophthalmic Practice
Colin ***CHAN***

17:30 Outcomes of Refractive Implantable Lens Implantation Post-Deep Anterior Lamellar Keratoplasty
Samruddhi ***DANI***

17:36 Stereoacuity Changes After Small Incision Lenticule Extraction
Vandana ***MAGANTY***

17:42 Visual Rejuvenation of Dynamic Range of Focus Using Laser Scleral Microporation (LSM) in Emmetropic Presbyopes
Robert ***ANG***

Retina (Medical)

Rapid Fire Retina (Medical) Update Session (1)

16:30 - 18:00 **Venue: MEETING ROOM 410 (Level 4)**
Chair(s): Timothy ***LAI***

16:30 Neurodevelopmental Outcomes for Retinopathy of Prematurity: A Nationwide Database Study
Yen-Ting ***CHEN***

16:36 The Protective Role of Apelin in the Early Stage of Diabetic Retinopathy
Weiqiang ***YANG***

16:42 Risk of Diabetic Retinopathy Between Sodium-glucose Cotransporter-2 Inhibitors and Glucagon-like Peptide-1 Receptor Agonists
Tzu-Yi ***LIN***

16:48 Serum Pro Brain Natriuretic Peptide (BNP) is a Biomolecular Biomarker for Proliferative Diabetic Retinopathy .
Ms ***PRACHI***

16:54 Two-Year Real-World Results for Aflibercept Using Treat-and-Extend Regimen in Age-Related Macular Degeneration and Polypoidal Choroidal Vasculopathy
Chu Hsuan ***HUANG***

17:00 Macular Microvasculature in X-Linked Retinoschisis: Optical Coherence Tomography and Optical Coherence Tomography Angiography Study
Hye Ji ***KWON***

17:06 Is Serum Lipids a Reliable Biomarker in Retinal Vein Occlusion?
Mohamed ***AZZAM***

17:12 Key Clinical Pearls for Evaluating Surgical Candidates, and Patient Preference, for the Port Delivery System With Ranibizumab (PDS)
Andrew ***CHANG***

17:18 Faricimab in Neovascular Age-Related Macular Degeneration: Year 1 Results With Week 12 Fluid Data From the Phase 3 TENAYA and LUCERNE Trials
Gemmy ***CHEUNG CHUI MING***

17:24 VOYAGER: A Real-world Study of Faricimab and the Port Delivery System With Ranibizumab in Neovascular Age-Related Macular Degeneration and Diabetic Macular Edema
Voraporn ***CHAIKITMONGKOL***

17:30 Key Surgical Pearls for Best Practice During the Port Delivery System With Ranibizumab (PDS) Implant Insertion Procedure
Young Hee ***YOON***

17:36 Portal Extension Trial: Three-Year Follow-Up From the Phase 3 Archway Trial of the Port Delivery System With Ranibizumab (PDS)
De-Kuang ***HWANG***

17:42 Comparison of Intravitreal Ranibizumab + Triamcinolone vs Ranibizumab Monotherapy in Treatment Naïve Macular Edema in Diabetic Retinopathy & Retinal Vein Occlusions
Reshma ***PADMARAM***

17:48 Foveal Avascular Zone Parameters Predict the Progression of Diabetic Retinopathy
Rose ***TAN***

17:54 DX-211: A Phase 2 Study Evaluating the Efficacy and Safety of Oculis OCS-01 as a Topical Therapeutic for Diabetic Macular Edema
Timothy ***LAI***

FEB 24, 2023 (FRI)

Cataract and Cataract Surgery

Rapid Fire Cataract and Cataract Surgery Update Session

11:00 - 12:30 **Venue: MEETING ROOM 409 (Level 4)**
Chair(s): Jeewan ***TITIYAL***

11:00 "Baseball Bat" Sign:-Predicting Prevalence of Intraoperative Floppy Iris Syndrome in Patients on Tamsulosin
Nikhil ***BALAKRISHNAN***

11:06 Thinking Out of the Box (Bag) Reverse Optic Capture for Rotational Stability in Toric Intraocular Lens (IOL) in High Myopes
Pavitra ***BALAKRISHNAN***

11:12 Effects of Ionizing Radiation Exposure on Cataract Among Radiation Workers of Interventional Cardiology in Indonesia
Wida ***SETIAWATI***

11:18 Long-term Assessment of Posterior Capsule-IOL Optic Adherence and Its Impact on Nd:YAG Capsulotomy Rate After Implantation of Hydrophobic Acrylic IOL With Ozone Surface Modification
Jeewan ***TITIYAL***

11:24 One Year Evaluation of Visual Performance of Small-Aperture IOL Implantation in Post-Corneal Refractive Surgery Cataractous Eyes
Robert ***ANG***

11:30 A Prospective Study Comparing the Anterior Segment Parameters and IOL Calculations Between an Optical Biometer and a Combined Machine
Patricia Kaye ***SY***

11:36 Swept-Source Optical Biometry IOL Master 700: Relationship of Chang-Waring Chord Measurement With Foveal Fixation in East Coast Cataract Patients
Nur Syifa Athirah Qistina ***ALIAS***

11:42 Presbyopia Correction With Different Modern Intraocular Lenses
Mike ***HOLZER***

11:48 Visual Outcomes Following Bilateral Implantation of a Monofocal Intraocular Lens Designed for Enhanced Monovision
Mun Wai ***LEE***

11:54 Postoperative Capsular Bag Distension Syndrome and Outcome of Treatment: A Retrospective Study
Shim Ni ***LIM***

12:00 Management of Higher Order Aberrations (HOA) in Irregular Corneas Using the IC-8 Small Aperture IOL
Christopher ***GO***

12:06 Evaluation of Optical Aspects of the Ophthalmic Viscosurgical Device During the Femtosecond Laser-Assisted Cataract Surgery
Ho Seok ***CHUNG***

12:12 Clinical Outcomes in 6 Months With Bilateral Mix-and-Match Implantation of Extended Depth of Focus (EDOF) and Trifocal Intraocular Lens
Jae Yong ***KIM***

Cornea, External Eye Diseases and Eye Banking

Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session (1)

09:00 - 10:30 **Venue: MEETING ROOM 410 (Level 4)**
Chair(s): Anthony ***ALDAVE***

09:00 Conjunctivomullerectomy for Superior Limbic Keratoconjunctivitis with Ptosis
Jin Hyoung ***PARK***

09:06 Corneal Densitometry After Collagen Cross Linking in Keratoconus Using Pentacam Scheimpflug Analysis and Its Relation to Subjective Haze
Nikita ***BHATT***

09:12 Conjunctival Limbal Autograft (CLAG) Versus Punched Conjunctival Limbal Autograft (PCG) (a Novel Technique) With Autologous Serum in Pterygium Surgery – A Prospective Study
Jeyaprakash ***BALASUBRAMANIAN***

09:18 Hitch Suture Assisted Tuck-In Tenon's Patch Graft for Management of Corneal Perforations
Amogh ***KITTUR***

09:24 Polarization Sensitive Optical Coherence Tomography (PS-OCT) – A New Screening Tool in Refractive Surgery
Sailie ***SHIRODKAR***

09:30 Topography-Guided Removal of Epithelium in Keratoconus (TREK) With Accelerated Cross-Linking: 5-Year Outcomes
Akash ***JAIN***

09:36 A Next Generation Crosslinking Calculator for Titrating Ultraviolet Energy (NXT-UVA) With Collagen Imaging in Thin Keratoconic Corneas
Sailie ***SHIRODKAR***

09:42 Simultaneous Topo-Guided Photorefractive Keratectomy (TPRK) With Collagen Cross-Linking (CXL) in Keratoconus: 10-Year Outcomes
Akash ***JAIN***

09:48 Low Vitamin D Receptor Linked to Reduced Endogenous Collagen Crosslinking in Keratoconus
Ritica ***MUKHERJI***

09:54 Evaluation of Tectonic Stability After Tenon's Patch Graft for Corneal Perforation in Infective Keratitis
Aniruddh ***HEROOR***

10:00 Alcohol Delamination – Dealing With Recurrent Corneal Erosions Sans Scarring and Refractive Error
Ramya ***RAVINDRAN***

10:06 Peripheral Macular Endothelial Dystrophy: Clinical, Histopathologic and Genetic Characterization
Anthony ***ALDAVE***

10:12 Effect of Anti-allergic Therapy on Sleep Quality of Children With Allergic Conjunctivitis and Their Parents
Boyu ***YANG***

10:18 Assessment of Corneal Biomechanics in Anisometropia Using the Scheimpflug Technology
Jinjin ***YU***

Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session (2)

14:30 - 16:00 **Venue: MEETING ROOM 409 (Level 4)**
Chair(s): Arjun ***SRIRAMPUR***

14:30 The Effect of Topical Betamethasone Eye Drops on Postoperative Haze Among Patients Undergoing Corneal Collagen Cross-Linking: a Randomized, Double Blind Placebo Controlled Study
Nariman ***NASSIRI***

14:36 Old Versus Zaman Innovative Techniques of Bowman Layer Transplantation Type I and II
Zaman ***SHAH***

14:42 Comparison of the Efficacy of Topical Natamycin 5% and Fluconazole 0.3% Eye Drop Therapy Versus Topical Natamycin 5% Alone in Deep Fungal Keratitis
Himani ***JAILKHANI***

14:48 Simple and Novel Technique of Using Lampblack Soot as a Corneal Tattoo for Disfiguring Corneal Opacities
Arjun ***SRIRAMPUR***

14:54 Randomized Clinical Trial of Topical Insulin Versus Artificial Tears for Healing Corneal Epithelial Defects Induced During Vitreoretinal Surgery in Diabetics
Aina ***DASRILSYAH***

15:00 Optical Coherence Tomography (OCT) Findings in Recurrent Corneal Erosion Syndrome (RCES)
Rishi ***SWARUP***

15:06 Randomized Controlled Trial of Effects of Topical Insulin Compared to Standard Artificial Tears and Normal Saline on Tear Inflammatory Mediator Levels and Surface Parameters in Diabetics With Dry Eye Disease
Atikah ***ASINI***

15:12 Mask-associated Dry Eye (MADE): A Systematic Review
Ka Wai ***KAM***

15:18 Results of Simultaneous Limited Topo Guided Customized Ablation With Collagen Cross Linking for Keratoconus in Indian Patients
Parmeshwar ***KAHALEKAR***

15:24 Peroxisome Proliferator-Activated Receptor-Alpha (PPAR)-α Agonists Enhances Corneal Nerve Regeneration in Patients With Type II Diabetes Mellitus
Calesta Hui Yi ***TEO***

15:30 Ocular Findings in Stevens–Johnson Syndrome Patients After Etanercept Treatment: A Retrospective Study of a Randomized Clinical Trial
Li-Yen ***PAN***

15:36 Introduction of a Novel Asymmetric Trephine for DMEK Tissue Preparation – The #7 DMEK trephine
Chameen ***SAMARAWICKRAMA***

15:42 Clinical Outcomes of Stromal Additive Procedure in Corneal Ectasia Vandhana SUNDARAM

15:48 Cyclosporine a (0.05%) Ophthalmic Gel in the Treatment of Dry Eye Disease: A Multicenter, Randomized, Double-Masked, Phase III Study
Shiyou ***ZHOU***

Glaucoma and Glaucoma Surgery

Rapid Fire Glaucoma and Glaucoma Surgery Update Session (1)

14:30 - 16:00 **Venue: MEETING ROOMS 302-303 (Level 3)**
Chair(s): Ronnie ***GEORGE****, Lutz* ***PILLUNAT***

14:30 Development and Validation of a Deep Learning System to Predict Glaucoma Incidence and Progression Using Color Fundus Photographs
Fei ***LI***

14:35 Association of SPARC-Related Modular Calcium Binding 2 (SMOC2) Gene C/T Variant (rs2255680) and G/A Variant (rs13208776) in Primary Open Angle Glaucoma Patients
Ashok ***NARSANI***

14:40 Aqueous Column Changes in the Episcleral Veins After the Instillation of Ripasudil Versus Latanoprost: A Randomized, Double-blind, Crossover Clinical Trial
Masaru ***INATANI***

14:45 Quantitative Assessment of Iridotrabecular Contact and Its Association With Intraocular Pressure After Phacoemulsification in Primary Angle Closure Disease
Woo Keun ***SONG***

14:50 PRESERFLO MicroShunt Versus Trabeculectomy: 1-Year Results on Efficacy and Safety
Karin ***PILLUNAT***

14:55 A Novel Guinea Pig Glaucoma Model Induced by Magnetic Microsphere Injection
Peiyuan ***WANG***

15:00 Real-life Application of Virna Glaucoma Implant; a Promising New, Low-Cost Implant
Widya ***ANANDITA***

15:05 Glaucoma Staging System Based on Mean Deviation (MD) Underestimates Severity in Common Glaucomatous Visual Field Defects
Tutul ***CHAKRAVARTI***

15:10 Combined Phacoemulsification and Hydrus Microstent Implantation in Asian Eyes With Moderate-to-Severe Normal Tension Glaucoma – 12-Month Outcomes
Bryan ***ANG***

15:15 PRESERFLO MicroShunt in High and Normal Pressure Open-Angle Glaucoma: 1-Year Results on Efficacy and Safety
Lutz ***PILLUNAT***

15:20 A 36-Month Follow-up Study of iStent Technology Combined With Phacoemulsification in Asian Eyes With Various Types of Glaucoma
See Teng ***TAN***

15:25 Omidenepag Isopropyl 0.002% Versus Latanoprost 0.005% in Open-Angle Glaucoma/Ocular Hypertension: An India Sub-analysis of the Phase 3 PEONY Trial
Ronnie ***GEORGE***

15:30 Increase in OCT Angles After Pilocarpine Drop: A Possible Additional Indicator for YAG Iridotomy in Primary Angle Closure Suspects in Opportunistic Setup
Debdas ***MUKHOPADHYAY***

15:35 Five-Year Results From a Multicenter, Randomized Comparison of Cataract Surgery Combined With Schlemm's Microstent to Cataract Surgery Alone
Robert ***ANG***

15:40 A 12-month Assessment of iStent Infinite (3 Stents) in Open Angle Glaucoma Uncontrolled by Maximum Tolerated Medical Therapy or Prior Surgery
Robert ***ANG***

15:45 Factors Associated With Stress Among Juvenile Open-Angle Glaucoma Patients in Malaysia
Radtthiga ***CHELVARAJ***

Retina (Surgical)

Rapid Fire Retina (Surgical) & Retina (Medical) Update Session

09:00 - 10:30 **Venue: MEETING ROOM 409 (Level 4)**
Chair(s): William ***MIELER****, Colin* ***TAN****, Xinyuan* ***ZHANG***

09:00 Plasma Apolipoproteins Are Differentially Regulated in the Pachychoroid Spectrum Disorders
Xinyuan ***ZHANG***

09:05 Fluorescein-Assisted Subretinal tPA Delivery for Submacular Hemorrhage
Sunil ***GANEKAL***

09:10 Observational Study of Intraoperative Bleeding in Diabetic Vitrectomy With Intravitreal Ranibizumab (AccentrixTM) Used As Preoperative Adjunct Therapy
Su Huan ***CHONG***

09:15 Comparison of Cognitive Workload and Surgical Outcomes Between a Three-Dimensional and Conventional Microscope for Macular Hole Surgery
Akshay ***KOTHARI***

09:20 Foldable Capsular Vitreous Body Indications, Complications, and Outcomes: A Systematic Review
Hashem ***ABU SERHAN***

09:25 Experimental Study of the Functional Activity of the Retina After Exposure to Low-Frequency Ultrasound
Bulat ***AZNABAEV***

09:30 Experience With Pneumatic Retinopexy With Subretinal Fluid Drainage: A 3-Year Report
Saurabh ***DESHMUKH***

09:35 Comparison of Core-Vitrectomy Time in 25-Gauge Ultrasonic and Pneumatic Guillotine Vitrectomy
Tagir ***DIBAEV***

09:40 National Health Expenditures Associated With Diabetic Retinopathy in Type 2 Diabetes in Indonesia From 2015 to 2020
Alfia Fatma ***ZAHARO***

09:45 Comparative Study between Inverted Flap Technique and Internal Limiting Membrane Peeling for Vitrectomy in Management of Traumatic Macular Hole: A Systematic Review and Meta-Analysis
Silmi Lisani ***RAHMANI***

09:50 A Hybrid 26G Needle Drainage Technique in Scleral Buckling: A Mini Scleral Cut-Down
Ashish ***MARKAN***

09:55 Five Years Journey of Pneumatic Retinopexy: How to Achieve Single Operation Success?
Putu ***AYU WULANSARI***

10:00 A Novel Splice Site Mutation in CDH3 Gene: The First Reported Chinese Family of Hypotrichosis With Juvenile Macular Dystrophy
Jie ***HU***

10:05 Efficiency in Edema Volume Reduction Kinetics – Ranibizumab (RBZ), Brolucizumab (BRZ) and Combination of RBZ and Steroids in Retinal Vein Occlusion (RVO)
Thirumalesh ***M B***

10:10 Seven-Year Clinical Outcomes of Combined Treatment of Anti-vascular Endothelial Growth Factor With Photodynamic Therapy for Polypoidal Choroidal Vasculopathy; According to Early Polypoidal Lesion Regression
Jong Beom ***PARK***

10:15 Diagnosis of Polypoidal Choroidal Vasculopathy and Age-Related Macular Degeneration and Using Multicolor Imaging
Colin ***TAN***

FEB 25, 2023 (SAT)

Cornea, External Eye Diseases and Eye Banking

Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session (3)

11:00 - 12:30 **Venue: MEETING ROOM 409 (Level 4)**
*Chair(s): Mehran **ZAREI GHANAVATI***

11:00 Intracameral Levofloxacin (0.5%) Versus Intracameral Cefuroxime (1mg/0.1ml) Effect on Corneal Endothelial Cell Count and Morphology in Uneventful Phacoemulsification Surgery
*Wan Haslina **WAN ABDUL HALIM***

11:06 The Effects of Donor-Recipient Age and Sex Compatibility in the Outcomes of Deep Anterior Lamellar Keratoplasties
*Hon Shing **ONG***

11:12 Ocular Surface Safety of Topical Levofloxacin 1.5% Versus Topical Moxifloxacin 0.5%
*Wan Haslina **WAN ABDUL HALIM***

11:18 Addressing the Use of Different Topographic and Tomographic Devices for Keratoconus Management in Primary Care Optometry and Secondary Care Ophthalmology Practices, a Comparison of the Medmont-E300, Revo-NX and Pentacam-AXL
*Lize **ANGELO***

11:24 Benefits and Risks of Orthokeratology Treatment – A Systematic Review and Meta-analysis
*Lauren **SARTOR***

11:30 Combined Surgical Technique of PK/DALK With Simultaneous Implantation of Complete Full-Ring or Incomplete Intrastromal Ring Segments Into the Graft
*Yury **KALINNIKOV***

11:36 Modified Tenonplasty, the Last Hope of Management in Severe Ocular Burns
*Tuhin **CHOWDHURY***

11:42 Treating FECD With DWEK and Rho Kinase Inhibitor Eye-Drops
*Haolan **QI***

11:48 Novel Synthetic Corneal Endothelial Substitute in Chronic Corneal Edema: Interim Trial Reports
*Lional Raj **DANIEL PONNIAH***

11:54 Drug-Repository Contact Lens Hasten to Heal and Minimize Antimicrobial Loading Doses in Bacterial Keratitis: A Randomized Controlled Trial Results
*Lional Raj **DANIEL PONNIAH***

12:00 Addressing Inequity in Access to Post-crosslinking Care and Visual Rehabilitation for Māori and Pacific Peoples With Keratoconus in the Auckland District Health Board – Preliminary Results
*Akilesh **GOKUL***

12:06 Modified Deep Anterior Lamellar Keratoplasty (DALK) – A Versatile Technique for Extreme Corneal Ectasias
*Aarti **HEDA***

12:12 Outcomes of 2 Courses of Topical Recombinant Human Nerve Growth Factor in Treatment of Neurotrophic Keratopathy
*Piseth Dalin **CHEA***

12:18 A Pilot Study to compare Accelerated Corneal Collagen Cross Linking under Normal and Increased Oxygen Concentrations
*Rajesh **SINHA***

Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session (4)

14:30 - 16:00 **Venue: MEETING ROOM 409 (Level 4)**
*Chair(s): Meenu **CHAUDHARY***

14:30 A Case Report of Sphingomonas Paucimobilis Keratitis in a Philippine Tertiary Hospital
*Patricia Kaye **SY***

14:36 DMEK in the Management of Late, Spontaneous Detachment of Descemet's Membrane After PK
*Theofilos **TOURTAS***

14:42 Novel Diagnostic and Treatment Algorithm for Pythium Keratitis- Redefining Management Guidelines
*Bharat **GURNANI***

14:48 Fs-PDEK Plus: Femtosecond Laser-Assisted Pre-Descemet's Endothelial Keratoplasty With Residual Stroma
*Thi Hoang Anh **DINH***

14:54 Epidemiology, Clinical Profile and Prognostic Factors Predicting Final Visual Outcome of Pediatric Ocular Trauma in a Tertiary Eye Care Center in South India
*Nasrin **DR***

15:00 Epidemiology, Clinical Profile and Prognostic Factors Predicting Final Visual Outcome of Pediatric Ocular Trauma in a Tertiary Eye Care Center in South India
Sowmya ***PERI***

15:06 Safety and Efficacy of Contact Lenses in Eyes Post Limbal Stem Cell Transplantation
Simmy ***CHAUDHARY***

15:12 Symblepharon Release for Optimal Scleral Lens Fitting
Simmy ***CHAUDHARY***

15:18 Prevalence of Sjogren's Syndrome in Patients With Dry Eye Disease in a Tertiary Hospital in Nepal
Meenu ***CHAUDHARY***

15:24 Do Keratoconic Eyes Follow the Rundles Curve?
Srujana ***SAHEBJADA***

15:30 Combined Topography-Guided Photorefractive Keratectomy and Corneal Collagen Crosslinking: A New Paradigm in Keratoconus Management
Kiran ***KUMAR***

15:36 Combination of Tenon and Corneal Patch Graft to Manage Corneal Perforation in Pediatric Case
Afifa ***GITTA***

15:42 Meibomian Gland Dysfunction Determines Tear Film Instability in Thyroid Associated Orbitopathy
Xulin ***LIAO***

15:48 Corneal Nerve Changes in Herpes Zoster Ophthalmicus: A Prospective Longitudinal In Vivo Confocal Microscopy Study
Ka Wai ***KAM***

Glaucoma and Glaucoma Surgery

Rapid Fire Glaucoma and Glaucoma Surgery Update Session (2)

09:00 - 10:30 **Venue: MEETING ROOM 409 (Level 4)**
Chair(s): Nathan ***KERR****, Shaoying* ***TAN***

09:00 Intraocular Pressure Changes With Reading on a Smart Phone (Digital Print) Compared to Conventional Printed Text Among Healthy Volunteers and Medically Controlled Primary Open Angle Glaucoma Patients
Rajat ***SRIVASTAVA***

09:05 Prospective, Multicenter, Single-arm, Open-label Study of the Safety and Effectiveness of the Gel Stent in Angle Closure Glaucoma
Nathan ***KERR***

09:10 Lower 24-Hour Systolic Blood Pressure in Progressive Primary Angle Closure Glaucoma
Shaoying ***TAN***

09:15 Long-term Outcomes of Early Post-operative Hypotony Following Primary Trabeculectomy
Tanasuang ***WIROTJUNLASAK***

09:20 Comparative Study of 2-Year Outcomes for Hydrus or iStent Inject Microinvasive Glaucoma Surgery Implants With Cataract Surgery
Colin ***CLEMENT***

09:25 Prospective Outcomes of Combined Trabecular Bypass (iStent inject) and Cataract Surgery From the Fight Glaucoma Blindness Registry
Colin ***CLEMENT***

09:30 An Integrin-Positive Cluster of iPSC-TM Regenerates the TM in Glaucoma
Wei ***ZHU***

09:35 Isoflurane Induced Intraocular Pressure Elevation in ChAT-IRES-Cre Mice
Kevin ***CHAN***

09:40 Comparison of iStent and Hydrus Microinvasive Glaucoma Surgery Implants in Combination With Cataract Surgery for the Treatment of Glaucoma
Nathan ***KERR***

09:45 Association Between Primary Open Angle Glaucoma (POAG) and Alzheimer's Disease (AD): A Mendelian Randomization Study
Raghavan ***LAVANYA***

09:50 Mean Intraocular Pressure Reductions in Responders to iDose TR, a Travoprost-Intracameral Therapy, and Timolol, 0.5% BID: A 3-Year Follow-up
Robert ***ANG***

09:55 The Effect of Severity of Visual Field Defect on Mobility and Navigation in Patients With Glaucoma
Abd Hadi ***MOHD RASIDIN***

10:00 A Novel Protocol to Assess Iris Stroma Permeability From Human Biopsy Samples Obtained From Iridotomy
Royston K.Y. ***TAN***

10:05 Novel Approach to Glaucoma Diagnosis Using Superficial to Deep Retinal Layer Thickness Ratios in Low and High Myopia Eyes
Thanendthire ***SANGAPILLAI***

10:10 A Novel Assessment of Contrast Sensitivity Using Spaeth Richman Contrast Sensitivity Test (SPARCS) in Patients With Glaucoma
Fatema ***NOBLE***

10:15 Comparing the IOP-Lowing Efficacy of In Situ Surgical Reconstruction With Needle Revision on Late Failed Trabeculectomy Blebs: A Prospective, Randomized Trial
Xiaobin ***XIE***

Intraocular Inflammation, Uveitis and Scleritis

Rapid Fire Intraocular Inflammation, Uveitis and Scleritis Update Session

11:00 - 12:30 **Venue: MEETING ROOMS 307-308 (Level 3)**
Chair(s): Widya Artini ***WIYOGO***

11:00 Valuable Application of the β-d-Glucan Testing of Intraocular Fluid for the Diagnosis of Fungal Endophthalmitis
Jing ***FENG***

11:05 The Correlation of Glycoprotein B Genotypes and Clinical Manifestation in Cytomegalovirus Related Anterior Segment Infection
Chu-Yen ***HUANG***

11:10 Inflammatory Cytokines Biomarkers Analysis From Tears In Patients With Uveitis
Atul ***THADANI***

11:15 Retinal Pigment Epithelium and Inner Choroidal Characteristics in Acute and Resolved Vogt Koyanagi Harada Disease
Niroj ***SAHOO***

11:20 The Pharmacokinetics of Topical Levofloxacin 1.5% vs Topical Moxifloxacin 0.5% Into Aqueous and Vitreous Humor
Norashikin ***MASLAN***

11:25 Clinical Profile and Visual Prognosis of Ocular Inflammation in Rheumatologic Diseases
M S ***JOSHMITHA***

11:30 To Study Serum Levels of TNF-Alpha and VEGF A in Cases of Primary Open Angle Glaucoma
Priya ***SHARMA***

11:35 Recalcitrant Mooren's Ulcer: Penetrating Keratoplasty (PK) and Immuno-Suppressants Is the Key?
Arpita ***KHASNAVIS***

11:40 Parasitic Eye Diseases: Nuances of Rapid Identification and Advanced Microscopy
Dipankar ***DAS***

11:45 Unusual Presentation of Probable Vogt-Kayanagi-Harada Syndrome in Multiple Sclerosis
Satabdi ***NANDA***

11:50 Ocular Complications Post COVID-19 Vaccination
Archana ***RAJAMANI***

11:55 Pattern, Incidence and Distribution of Uveitis in Systemic Tuberculosis
Anniksha ***M N***

12:00 Isolated Intraocular Relapse of B-Cell Acute Lymphoblastic Leukemia Masquerading As Ciliary Body Masses in a Filipino Child
Mayleen ***JEREZA***

12:05 Eyes; Window to the World! Ocular Findings Aiding in Diagnosis of Systemic Tuberculosis Confirmed by TB-Quantiferon Test
Chethan ***MURTHY***

12:10 Ophthalmic Manifestations Post COVID 19 Infection
Sameeksha ***AGRAWAL***

12:15 Retinal Vasoproliferative Tumors Secondary to Uveitis – A Case Series
Arshee ***AHMED***

Ocular Oncology and Pathology

Rapid Fire Ocular Oncology and Pathology Update Session

14:30 - 16:00 **Venue: MEETING ROOMS 307-308 (Level 3)**
Chair(s): Rolika ***BANSAL****, Hung Da* ***CHOU***

14:30 Serum Vascular Endothelial Growth Factors (VEGF) Can Be a Prognostic Biomarker in Ocular Malignancies
Rajendra ***MAURYA***

14:36 High Expression of Microphthalmia-Associated Transcription Factor Promotes Reduced Disease-Free Survival in Uveal Melanoma
Jayanti ***JHA***

14:42 Intravitreal Topotecan for Vitreous Seeds in Retinoblastoma: A Long-term Review of 91 Eyes
Mrittika ***SEN***

14:48 Subretinal Seeding in Retinoblastoma: Clinical Presentation and Treatment Outcomes
Vishal ***RAVAL***

14:54 Histopathological Risk Factors After Triple Drug Super-selective Ophthalmic Artery Intra-arterial Chemotherapy in Advanced Retinoblastoma
Rolika ***BANSAL***

15:00 Long-term Outcomes of Neoadjuvant Systemic Chemotherapy for Extensive Periocular Sebaceous Gland Carcinoma
Anshika ***LUTHRA***

15:06 Clinical Outcomes of Fiducial-Free Proton Beam Therapy in Asian Patients With Uveal Melanoma: A Single-Center Case Series
Hung Da ***CHOU***

15:12 The Malignant Transformation of Retinocytoma
Anastasiya ***KOTELNIKOVA***

15:18 Desire for Individual Metastatic Prognosis in Patients With Uveal Melanoma
Ilia ***LEVASHOV***

15:24 How Deep Is Deep? – An Analysis of Multi-Level Biopsy in Orbital Lesions
Shaifali ***CHAHAR***

15:30 Metastatic Risk of Prognostic Fine-Needle Aspiration Biopsy in Uveal Melanoma Patients
Ilia ***LEVASHOV***

15:36 Risk Factors for Local Tumor Recurrence and Metastasis in Sebaceous Gland Carcinoma of the Eyelid in a Large Series
Shaifali ***CHAHAR***

15:42 A Retrospective Comparative Analysis of Genetic Factors in Groups of Patients With and Without Metastases of Uveal Melanoma
Vera ***YAROVAYA***

15:48 Comparison of High-Risk Histopathological Features in Primary and Secondary Enucleated Eyes in Retinoblastoma
Manumuraleekrishna ***MANUMURALEEKRISHNA***

15:54 Suture Less Surgery of Small Lesions of Eyelid- Cosmetic Outcome
Narayon ***CHANDRA***

Ophthalmic Epidemiology and Prevention of Blindness

Rapid Fire Ophthalmic Epidemiology and Prevention of Blindness Update Session

09:00 - 10:30 **Venue: MEETING ROOMS 307-308 (Level 3)**
Chair(s): Heeyoon ***CHO***

09:00 Factors Associated with Non-Compliance to Long-Term Glaucoma Medication in A Developing Country
Farah ***AKHTAR***

09:05 Comparison of Repeated Low-level Red Light and Low-dose Atropine for Myopia Control in Children: A Randomized Controlled Trial
Yanxian ***CHEN***

09:10 Epidemiology of Retinoblastoma in Nepal 2019
Ben ***LIMBU***

09:16 The Ageing Visual Function System and Functional Health in Multi-Ethnic Older Adults: The PIONEER Study
Preeti ***GUPTA***

09:21 Community-Based Assessment of Visual Disability Among Adult Population in Delhi Using WHO-ICF (International Classification of Functioning
Souvik ***MANNA***

09:26 Six-Year Incidence and Risk Factors for Primary Open Angle Glaucoma and Ocular Hypertension: The Singapore Epidemiology of Eye Diseases Study
Sahil ***THAKUR***

09:31 Assessing Health Inequity by Identifying Barriers to Accessing a Tertiary Keratoconus and Crosslinking Clinic in Auckland and Associated Visual Outcomes
Lize ***ANGELO***

09:36 Neurodevelopmental and Ophthalmic Complications in Retinopathy of Prematurity: A 10-Year Cohort Study Using National Health Insurance Database in South Korea
Heeyoon ***CHO***

09:41 Effect of statin medication on age-related macular degeneration progression according to complement genotype
Simon ***NUSINOVICI***

09:46 The Associations Between Chronic Kidney Disease and Thinning of Retinal Nerve Fiber Layer and Ganglion-Cell Inner Plexiform Layer: Findings From the Singapore Epidemiology of Eye Diseases (SEED) Study and UK Biobank
Shivani ***MAJITHIA***

09:51 How Many Eyeglasses Are Needed Yearly in Thailand? Using the Spectacle Provision Rate (SPR) as a Refractive Error Service Monitoring Tool
Jerry ***VINCENT***

09:56 Incidence and Progression of Diabetic Retinopathy in Indonesian Adults With Type 2 Diabetes: 5-Year Follow-up of the Jogjakarta Eye Diabetic Study in the Community (JOGED.COM)
Gandhi Anandika ***FEBRYANTO***

10:01 Closed and Open Globe Injuries: Epidemiology, Visual and Surgical Outcomes, Prognostic Models and Economic Cost Analyses of an Australian Experience
Chameen ***SAMARAWICKRAMA***

10:06 Profile of Ocular Trauma at a Tertiary Care Center
Ayushi ***OJHA***

10:11 Diagnostic Capacity of Smartphone Imaging in Screening Plus Disease Among Preterm Infants With Retinopathy of Prematurity in a Tertiary Government Hospital
Stephanie ***CELUCIA***

10:16 Assessment of Knowledge, Attitude and Practice Towards Diabetic Retinopathy Screening Among General Physicians in Jakarta, Indonesia
Rizka ***RATMILIA***

Pediatric Ophthalmology and Strabismus

Rapid Fire Pediatric Ophthalmology and Strabismus Update Session (2)

16:30 - 18:00 **Venue: MEETING ROOM 409 (Level 4)**
Chair(s):Xiujuan ***ZHANG***

16:30 Quantitative Measurement of Passive Tension in Intermittent Exotropia and Its Clinical Implications
Hyun Jin ***SHIN***

16:37 Well-Circumscribed Intramuscular Lipoma of Superior Rectus Muscle
Phantaraporn ***TANGTAMMMARUK***

16:44 Discovery of Tear Fluid Protein Markers in Preterm Infants With Retinopathy of Prematurity; a Cross-sectional Pilot Study Using Mass Spectrometry-Based Proteomics
Alicia Hoi Ying ***LIU***

16:51 Outcomes of a Simplified, Fixed Surgical Dosage Calculation for Uncomplicated, Horizontal, Concomitant Strabismus in Adults
Tanie ***NATUNG***

16:58 Long-Term Effects of Botulinum Toxin A for Horizontal Concomitant Strabismus in Chinese Children
Jingjing ***JIANG***

17:05 Clinically-Evident Bilateral Macular Hole in a Case of Probable Stromme Syndrome
Maria Christine ***DY***

17:12 Myopic Shift in Pseudophakic Children Operated for Developmental Cataract
Priyanka

17:19 Visual Outcomes After Pediatric Limbal Dermoid Excision: A Retrospective Analysis
Hennaav ***DHILLON***

17:26 Retinopathy of Prematurity: Preferred Anti-vascular Endothelial Growth Factor Treatment Practices Over 10 Years
Amy ***WANG***

17:33 Is Massage or Topical Antibiotics More Effective Than Observation Alone in Congenital Nasolacrimal Duct Obstruction?
Brian ***MOHNEY***

17:40 Comparison of Conventional Versus Inverse Occlusion in Amblyopia With Eccentric Fixation
Vaishali ***TOMAR***

Retina (Medical)

Rapid Fire Retina (Medical) Update Session (2)

16:30 - 18:00 **Venue: MEETING ROOMS 302-303 (Level 3)**
Chair(s): Jost ***JONAS***

16:30 Design and Rationale of the SALWEEN Trial: A Phase 3b/4 Study of Faricimab, a Dual Angiopoietin-2 and Vascular Endothelial Growth Factor-A Inhibitor, in Patients With Polypoidal Choroidal Vasculopathy
Won Ki ***LEE***

16:36 Faricimab in Neovascular Age-Related Macular Degeneration: Year 2 Patient Case Profiles From the Phase 3 TENAYA/LUCERNE Trials
Shih Jen ***CHEN***

16:42 Personalised Treatment Interval Dosing Dynamics Over 2 Years in the Phase 3 YOSEMITE/RHINE Trials of Faricimab in Diabetic Macular Edema
*Timothy **LAI***

16:48 Quantitative Assessment of Photoreceptor Outer Segment Layer Thickness in Diabetic Eyes Using Optical Coherence Tomography
*Janika **SHAH***

16:54 Clinical Profile of Visual Loss Due to Retinopathy of Prematurity in High-Risk Twin Infants
*Gowtham **KIM***

17:00 Retinopathy of Prematurity Among the Neonates in a Multi-Specialty Eye Hospital of Northern Bangladesh
*Md Usha Al Sayed **AYON***

17:06 A Randomized Controlled Trial of Monotherapy Versus Combination Intravitreal Injection via Exploring Dexamethasone Implant as an Adjunctive Treatment Regime for Diabetic Macular Edema
*Muhammad Aizuddin **AHMAD***

17:12 Macular Structure and Foveal Pit Characteristics in Patients With Unilateral Idiopathic Macular Hole and Their Healthy Fellow Eyes
*Yi-Ting **HSIEH***

17:18 Sex and Age-Related Differences in Foveal Pit Morphology
*Yi-Ting **HSIEH***

17:24 Post-viral Maculopathy
*Priya **BAJGAI***

17:30 Gene Independent Gene Therapy for Cone Photoreceptor Preservation and Functional Restoration in Inherited Rod/Cone Dystrophies
*Daniel **CHUNG***

17:36 Intravitreal Panitumumab for Prevention of Myopic Axial Elongation in Highly Myopic Adult Eyes with Myopic Macular Degeneration: Clinical Phase-1 Study
*Jost **JONAS***

17:42 Myopic Macular Bruch's Membrane Defects
*Songhomitra **PANDA-JONAS***

17:48 Photoreceptor Density in Dependence of Axial Length and Retinal Location in Human Eyes
*Songhomitra **PANDA-JONAS***

17:54 Choroidal Thickness and Its Correlation With Oct Biomarkers in DME
*Isha **ACHARYA***

17:55 Fibrin Glue Assisted Retinopexy for Rhegmatogenous Retinal Detachments: GuARD Study: Long Term Outcomes of a New Surgical Technique With No Silicone Oil or Gas Tamponade and No Postoperative Positioning
*Mudit **TYAGI***

Translational and Visual Sciences Research

Rapid Fire Translational and Visual Sciences Research & Evolving Academia, Research, Teaching and Education in Ophthalmology Update Session

16:30 - 18:00 **Venue: MEETING ROOMS 307-308 (Level 3)**
*Chair(s): Kevin **CHAN**, Yasuo **KURIMOTO***

16:30 Development of a Biosimilar Adeno-Associated Virus Vector-Based RPE65 Gene Therapy in a Murine Model
*Tien-En **TAN***

16:35 Associations of VEGF Genetic Polymorphisms with Retinopathy of Prematurity (ROP)
*Xiao Chun **LING***

16:40 Myopia Progression Frm Stopping Childhood Atropine Treatment to Early Adulthood
*Yong **LI***

16:45 Seven-Year Clinical Course of Autologous Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelial Cell Sheet Transplantation for Age-Related Macular Degeneration
*Yasuo **KURIMOTO***

16:50 Is Next Generation Sequencing a Promising Tool in the Diagnosis of Endophthalmitis?
*Joveeta **JOSEPH***

16:55 Effects of Perceptual Learning on Deprivation Amblyopia in Children With Limbal Dermoid: A Randomized Controlled Trial
*Jing **ZHONG***

17:00 Modulation of Morphogens Promotes the Differentiation of Human Induced Pluripotent Stem Cells With Potential for Corneal Epithelial-Like Formation
*Bakiah **SHAHARUDDIN***

17:05 Morphometric Evaluation of Nasolacrimal Canal in Mongolian
*Erdenetuya **ENKHZAYA***

17:10 Evaluating the Therapeutic Potential of Gypenosides for Retinal Degeneration
Aileen ***WONG***

17:15 Electron-Beam Irradiated Human Donor Cornea (Optigraft) for Refractive Keratoplasty
Andri ***RIAU***

17:20 Abnormally High Optic Nerve Head Strains Under Acute IOP Elevation in Eyes With Staphyloma
Thanadet ***CHUANGSUWANICH***

17:25 Investigation of Hemodynamic Changes in Rat Retinal Vascular Network Under Time-Dependent Pressure Gradient Condition
Chi Wei ***ONG***

17:30 Small Molecule Mediated Inhibition of Intercellular Adhesion Molecule (ICAM) Mediated Effects as a Potential Target for Diabetic Vascular Leakage: A Pre-clinical Efficiency Trial
Thirumalesh ***M B***

17:35 Citicoline Reduces Matrix Metalloproteinase-2 Expression in Scleral Tissue of Rat Myopia Model
Eka ***WAHYUNINGSIH***

17:40 Assessment of a High Fidelity, Virtual Reality Based, Manual Small Incision Cataract Surgery Simulator: A Face and Content Validity Study
Akshay ***NAIR***

FEB 26, 2023 (SUN)

Cataract and Cataract Surgery

Rapid Fire Cataract and Cataract Surgery & Refractive Surgery & Rapid Fire Orbital and Oculoplastic Surgery Update Session

11:00 - 12:30 **Venue: MEETING ROOM 409 (Level 4)**
Chair(s): Frances ***MEIER-GIBBONS***

11:00 Visual Outcomes Following Implantation of the Acrysof IQ Vivity Toric Extended Vision IOL
Mun Wai ***LEE***

11:06 Dropless Cataract Surgery; Making It Simple, Safe yet Effective
Abhijit ***HANDIQUE***

11:12 A Comparison of Intra-operative Efficiencies and Surgical Outcomes Between Two Operating Systems: The Torsional (Ozil Technology) Versus Transversal (EllipsFx Technology) Ultrasound Systems
Naren ***SHETTY***

11:18 Discovery of Novel Non-invasive Tear Metabolic Markers to Identify the Type of Infection in Post-operative Endophthalmitis
Naren ***SHETTY***

11:24 Outcome of CTR Implantation on Refractive Stability and Capsular-Related Complications After Cataract Surgery for Long Axial Myopia
Hong ***YAN***

11:30 Artificial Intelligence and Simulation Driven "Pathfinder" in Refractive Surgery
Pooja ***KHAMAR***

11:36 Topography Guided Ablation With Cross Linking- iTracey as a Tool in Decision Making
Ramya ***RAVINDRAN***

11:42 Does Cycloplegia Relieve Discomfort Following Photorefractive Keratectomy (PRK)?
Deniz ***KILIC***

11:48 Risk Factor Analysis for Modifiable Tomographic Biomechanical Index (TBI) Score
Gayathri ***GOVINDASAMY***

11:54 Foam Sclerotherapy: A Management Option for Benign Cystic Orbital Lesions
Swati ***GOYAL***

12:00 50 in 1 or 50 in 2 – Which Acts Better?
Nishat ***PARVEEN***

12:06 An Impact of Custom-made Ocular Prosthesis on Health-Related Quality of Life and Perceived Stress in Thai Prosthetic Eye Wearers
Manachaya ***PRUKAJORN***

12:12 "BST Glide" - a DCR Surgeon's Delight
Bijnya ***PANDA***

Neuro-Ophthalmology

Rapid Fire Neuro-Ophthalmology & Miscellaneous Update Session

09:00 - 10:30 **Venue: MEETING ROOMS 307-308 (Level 3)**
Chair(s): Noel ***CHAN****, Syeed* ***KADIR***

09:00 Efficacy of Plasma Exchange Treatment for Demyelinating Optic Neuritis
Shaoying ***TAN***

09:06 Masquerading Optic Neuritis in Tuberous Sclerosis
Dhwanee ***AGARWAL***

09:12 Retro Conjunctival Radiofrequency Electrocautery With a Fine Needle for Conjunctivochalasis-A Novel Surgical Technique
Prabhakar ***G V***

09:18 Biological Potential and Therapeutic Benefit of Astilbin in the Medicine Against Diabetes and Diabetic Nephropathy
Dinesh ***PATEL***

09:24 Risk of Clinical and Sub-clinical Radiation-Induced Optic Neuropathy Following High-Dose Irradiation in Chinese Patients With Nasopharyngeal Carcinoma – A Case Control Study
Noel ***CHAN***

09:30 Toxic Tobacco: Fundus Changes and OCT Based Ganglion Cell Analysis in Long Term Tobacco Use
Syed ***HUSSAIN***

09:36 Our Tertiary Eye Hospital- a Novel Green Campus Combatting Carbon Footprinting
Atul ***KAMATH***

09:42 Outcomes for Triangular Tarsectomy and Limited Orbicularis Myectomy With Lower Lid Retractor Plication for Involutional Entropion
Syeed ***KADIR***

09:48 Botulinum Injection Into the Lacrimal Gland – A Solution for Watering
Sindhuja ***MURUGESAN***

09:54 What Percentage of the Public Know How to Self-test Their Eyes When They Are Experiencing Vision Problems?
Fuxiang ***ZHANG***

10:00 Comparative Study of 3D Videos Recorded on DIY 3D Recording Assembly vs Conventional Recording System
Rubina ***SHAIKH***

10:06 Epidemiological Pattern of Corneal Foreign Bodies and Awareness of Patients on the Utilization of Protective Eye Devices – A Hospital-Based Cross-sectional Study
Samata ***SHARMA***

Ocular Imaging

Rapid Fire Ocular Imaging & Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology Update Session

11:00 - 12:30 **Venue: MEETING ROOMS 307-308 (Level 3)**

Chair(s): Dewang ***ANGMO****, Zhen Ling* ***TEO***

11:00 Anatomical Compensation Model Improves the Detection of Glaucoma in Chinese and Indian Adults
Jacqueline ***CHUA***

11:06 Automatic Identifying Morphological Patterns of Diabetic Macular Edema on Optical Coherence Tomography Images Using Deep Learning
Xin ***YE***

11:12 Ocular Manifestations and Imaging Patterns of Rhinoorbital Cerebral Mucormycosis in COVID 19 Patients
Rajwinder ***KAUR***

11:18 One Year Follow Up of Optical Coherence Tomography Angiography Microvascular Findings: Macular Telangiectasia Type 2 Versus Tamoxifen Retinopathy
Yujeong ***PARK***

11:24 Relationship between Atropine Treatment in Childhood and Choroidal Thickness in Adulthood in Myopic Patients
Claire Lixian ***PETERSON***

11:30 Structural and Functional Changes in Ocular Hypertension vs Controls
Dewang ***ANGMO***

11:36 Detection of Alzheimer's Disease and Mild Cognitive Impairment Using Different Machine Learning Classifiers
Chi ***LI***

11:42 Importance of Inner Retinal Thickness and Brain Metabolites to Glaucoma Using Information Gain Assessment
Kevin ***CHAN***

11:48 Decoding the Enigma of Epiphora in Patent Lacrimal Pathway by Gravity Driven CBCT Dacryocystography
Mukesh ***KHARE***

11:54 Retinoblastoma and Social Media Discussions: A Machine Learning Approach
Wai Chak ***CHOY***

12:00 Slit Lamp Based Intraocular Lens Microscope (SLIM): A Point of Care Diagnostic Tool for Fungal Hyphae Detection
Prithvi ***CHANDRAKANTH***

12:06 Federated Machine Learning in Healthcare: A Systematic Review on Clinical Applications and Technical Architecture
Zhen Ling ***TEO***

12:12 Diagnostic Capability of Retinal Nerve Fiber Layer Birefringence for Glaucoma Using Polarization-Sensitive Optical Coherence Tomography
Reshma Radhakrishnan ***PARAKKEL***

POSTERS

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology

Poster No.: PO-008
A Deep Learning System for Automating OCT Retinal Layer Segmentation
*First Author: Laura **GUTIERREZ***
*Co-Author(s): Yanyu **XU***

Poster No.: PO-004
Comparison of a Novel Automated Visual Acuity Test Using Augmented Reality With Snellen Visual Acuity and Early Treatment of Diabetic Retinopathy Study Chart
*First Author: Victor **KOH***
*Co-Author(s): Evangeline **LEONG**, Azri **MUHAMMAD BIN RAZALI**, Lyana **SHAFFIEE**, Adrian **TAY**, Dayna **YONG***

Poster No.: PO-001
Demographic Profile of Patients Seeking Teleophthalmology Consultations Through E-Sanjeevani: Retrospective Analysis of 5138 Patients From North India
*First Author: Ashish **MARKAN***
*Co-Author(s): Amit **AGARWAL**, Madhuri **AKELLA**, Alisha **KISHORE***

Poster No.: PO-003
Evaluating Performance of No-Code Artificial Intelligence Solution to Classify Retinal Pathologies From Optical Coherence Tomography Images
*First Author: Laura **GUTIERREZ***
*Co-Author(s): Kabilan **ELANGOVAN**, Arun **THIRUNAVUKARASU***

Poster No.: PO-002
Explainable Artificial Intelligence Model Using Gradient-Weighted Class Activation Mapping for Detection of Myopic Macular Degeneration on Color Fundus Photographs
*First Author: Ting Fang **TAN***
*Co-Author(s): Zhen Ling **TEO**, Daniel **TING**, Xiaoman **ZHANG***

Poster No.: PO-005
Garbage In, Garbage Out: Evaluation of How Fundal Imaging Affects the Assessment of Diabetic Retinopathy and the Real-world Application of Deep Learning Systems
*First Author: Michelle **YIP***
*Co-Author(s): Gilbert **LIM**, Daniel **TING***

Poster No.: PO-007
Quality of Life in Patients Post Orbital Fracture Repair With Implants
*First Author: Preethi **JEYABAL***
*Co-Author(s): Stephanie **YOUNG***

Poster No.: PO-006
Role of Artificial Intelligence in Understanding Ocular Surface Pain
*First Author: Ritica **MUKHERJI***
*Co-Author(s): Gairik **KUNDU**, Abhijit **SINHA ROY***

Cataract and Cataract Surgery

Poster No.: PO-022
A Tip for Continuous Curvilinear Capsulorhexis
*First Author: Shu Yu **TAN***

Poster No.: PO-017
Cataract Surgery Outcomes in Australia: A Retrospective Study of Outcomes in 5,018 Cases and Review of Literature
*First Author: Muhammad **KHAN***
*Co-Author(s): Brendon **LEE***

Poster No.: PO-023
Clinical Outcomes of Retropupillary Iris Claw IOL Fixation in Pediatric Age Group
*First Author: Tavishi **SINGHAL***

Poster No.: PO-020
Comparison of Corneal Endothelial Cell Loss in Femtosecond Laser-Assisted Cataract Surgery and Conventional Phacoemulcification
*First Author: Altantsetseg **ALTANSUKH***
*Co-Author(s): Doyodmaa **ADIYABAZAR**, Ning **HUNG**, David **MA**, Kathleen Sheng-Chuan **MA***

Poster No.: PO-024
Contribution of Posterior Corneal Astigmatism to Total Corneal Astigmatism in Healthy Eyes
*First Author: Norazlida **IBRAHIM***

Poster No.: PO-019
Extended-Depth-of-Focus Intraocular Lenses for Glaucoma Patients
*First Author: Nadezhda **GORBUNOVA***
*Co-Author(s): Yevgeniy **BATKOV**, Nadezhda **POZDEYEVA**, Roman **YAKOVLEV***

Poster No.: PO-016
Innovative Use of Leap Motion Technology for Cataract Surgery Simulation: A Wet Lab Training Model
*First Author: Bharat **GURNANI***
*Co-Author(s): Prasanth **GIREESH***

Poster No.: PO-014
Medical and Surgical Risk Factors for Early and Late IOL Dislocation
*First Author: Soonil **KWON***
*Co-Author(s): Bo Sook **HAN***

Poster No.: PO-011
Multiple Linear Regression Model for Improving the Accuracy of Capsulorhexis Size Calculation in Femtosecond Laser-Assisted Cataract Surgery for Adults: A Retrospective Single-Center Study
*First Author: Miki **AKAISHI***
*Co-Author(s): Seiichiro **HATA**, Akira **MEGURO**, Nobuhisa **MIZUKI**, Takeshi **TESHIGAWARA***

Poster No.: PO-021
Outcomes and Practices of Pediatric Cataract Surgeries During COVID-19 Pandemic
*First Author: Atiqah **WAN KHAIRUZZAMAN***
*Co-Author(s): Nandini **VIJAYA SINGHAM***

Poster No.: PO-009
Partial Versus Full Thickness Limbal Relaxing Incisions During Phacoemulsification for Treatment of With-the-Rule Astigmatism in Senile Cataract Patients
*First Author: Nader **NASSIRI***
*Co-Author(s): Nariman **NASSIRI**, Saman **NASSIRI**, Kavousnezhad **SARA**, Kourosh **SHEIBANI***

Poster No.: PO-010
Plug the Hole Before You Bail the Boat: Modified Hydrodissection to Prevent Iris Prolapse
*First Author: Pavitra **PATEL***
*Co-Author(s): Nitin **BALAKRISHNAN***

Poster No.: PO-018
Role of Clinical Judgment and Risk Stratification Systems in Allocating Cataract Surgery Cases: A Comparative and Optimization Study of 2 Recent Systems
*First Author: Muhammad **KHAN***
*Co-Author(s): Yashar **RAZAVI**, Lauren **SARTOR***

Poster No.: PO-012
Safety and Efficiency of Hydroimplantation of Foldable Intraocular Lens
*First Author: Roderick **VICENTE***

Poster No.: PO-015
Still Blurring of Vision Post-Nd:YAG Laser Capsulotomy?
*First Author: Noor Sarah **MUHAMMAD AZMI KHOR***

Poster No.: PO-013
Surgical Outcomes of Secondary Retropupillary Iris Claw Intraocular Lens Implantation in Aphakia
*First Author: Mithun **THULASIDAS***
*Co-Author(s): Ajita **SASIDHARAN***

Cornea, External Eye Diseases and Eye Banking

Poster No.: PO-032
A Man With Primary Bulbar Conjunctival Sporotrichosis
*First Author: Haolan **QI***
*Co-Author(s): Liqiang **WANG***

Poster No.: PO-043
Acute and Chronic Ocular Outcomes in SJS/TEN Patients Treated With Oral Ciclosporin Versus Intravenous Immunoglobulin
*First Author: Hon Shing **ONG***
*Co-Author(s): Valencia **FOO**, Haur Yueh **LEE***

Poster No.: PO-029
Association of Meibomian Gland Dysfunction With Oral Statin Use
*First Author: Sun-Kyoung **PARK***
*Co-Author(s): Kyung-Do **HAN**, Ho-Sik **HWANG**, Hyun-Seung **KIM**, Ji-Hye **LEE**, Kyung-Sun **NA***

Poster No.: PO-034
Case Series of Recurrent Conjunctiva and Cornea Intraepithelial Neoplasia Successfully Treated With Chemo-Adjuvant Mitomycin C
*First Author: Seng Hong **YEOH***
*Co-Author(s): Che Mahiran **CHE DAUD**, Siti Nor Roha **DAMAN HURI**, Nurliza **KHALIDDIN**, Shamala **RETNASABAPATHY**, Nor **YUSOF***

Poster No.: PO-026
Clinical Profile and Corneal Complications of Staphylococcal Blepharitis at a Tertiary Referral Eye Center
*First Author: George Michael **SOSUAN***
*Co-Author(s): Ruben **LIM BON SIONG**, Pablito Jr. **SANDOVAL***

Poster No.: PO-038
Comparison of Graft Survival Rates Between Descemet's Stripping Automated Endothelial Keratoplasty vs Descemet's Membrane Endothelial Keratoplasty
*First Author: Nicole **SIE***
*Co-Author(s): Anshu **ARUNDHATI**, Marcus **ANG**, Jodhbir **MEHTA***

Poster No.: PO-045
De Barsy Syndrome: Lifting the Curtain on a Cloudy Cornea
*First Author: Arpita **KHASNAVIS***
*Co-Author(s): Merle **FERNANDES***

Poster No.: PO-027
Deep Anterior Lamellar Keratoplasty Rejection Following SARS-CoV-2 Vaccination: 2 Case Reports
*First Author: Rishi **SWARUP***
*Co-Author(s): Samip **MEHTA***

Poster No.: PO-039
Dry Eye Disease in Real World Clinical Practice: The Save Sight Dry Eye Registry
*First Author: Stephanie **WATSON***
*Co-Author(s): Francisco **ARNALICH-MONTIEL**, Gerd **GEERLING**, David **MINGO**, Fiona **STAPLETON***

Poster No.: PO-040
Graft Survival and Visual Outcomes of 10 Years of Corneal Transplantation – A Single Centre Retrospective Study
*First Author: Hayden **KIRK***
*Co-Author(s): Chameen **SAMARAWICKRAMA***

Poster No.: PO-037
Intraoperative Optical Coherence Tomography Guided Iris Stromal Cyst Treatment With Absolute Alcohol Injection
*First Author: Sing Hui **LIM***
*Co-Author(s): Victoria Grace **DIMACALI***

Poster No.: PO-042
Keratoconus Risk Factor in Malaysia; Allergy Versus Familial Inheritance
*First Author: Norsyariza **RAZAK***
*Co-Author(s): Bariah **MOHD ALI**, Premalatha **SANTHIRAN**, Wan Haslina **WAN ABDUL HALIM***

Poster No.: PO-035
Neuropathic Ocular Surface Changes, Corneal Nerve Imaging and Neuromediator Profiles in SMILE and Femtosecond LASIK
*First Author: Alvin **TEO***
*Co-Author(s): Isabelle Xin Yu **LEE**, Molly Tzu-Yu **LIN**, Yu-Chi **LIU**, Jodhbir **MEHTA***

Poster No.: PO-028
Ocular Manifestations of Patients With COVID-19 in Dr Wahidin Sudirohusodo General Hospital
*First Author: Rini **DHANY***

Poster No.: PO-047
Ocular Features of Gliptin Induced Bullous Pemphigoid
*First Author: Mariya **DOCTOR***
*Co-Author(s): Sayan **BASU**, Anahita **KATE***

Poster No.: PO-033
Pattern of Dry Eye Patients Presenting in a Tertiary Care Center in Bangladesh
*First Author: Tamanna **SWEETY***

Poster No.: PO-025
Post-surgery Challenges After Descemet Stripping Endothelial Keratoplasty in a Vitrectomized Eye and Post-glaucoma Implant Patient
*First Author: Herdanti Rahma **PUTRI***
*Co-Author(s): Rio **RHENDY***

Poster No.: PO-046
Probiotics Pretreatment Attenuates Impaired Corneal Re-epithelialization in Diabetic Mice Through Amelioration of T Cell Immunity and Remodulation of the Intestinal Microbiome
*First Author: Yashan **BU***
*Co-Author(s): Amy C.y. **LO**, Kendrick **SHIH***

Poster No.: PO-041
SD OCT Biomarkers' Role in Predicting Visual Outcome in Diabetic Macular Oedema
*First Author: Tamanna **SWEETY***

Poster No.: PO-030
Spontaneous Subconjunctival Abscess Caused by Pseudomonas Aeruginosa
*First Author: Xin Wei **CHIN***
*Co-Author(s): Diymitra **K GANASAN***

Poster No.: PO-044
Topographic and Visual Outcomes Post-pterygium Surgery: A Prospective Study in a Tertiary Eye Care Hospital in India
*First Author: Aarti **HEDA***

Poster No.: PO-036
Treatment and Analysis of Chronic Follicular Conjunctivitis Complicated by Molluscum Contagiosum on Eyelid Margin
*First Author: Shuzo **OKUNO***
*Co-Author(s): Yuko **HARA**, Hiroko **HOSOKAWA**, Hidenori **INOUE**, Atsushhi **SHIRAISHI**, Koji **TORIYAMA***

Poster No.: PO-031
Upper Eyelid Adult Loa loa in a Partially Treated Loiasis Patient: The Worm That Never Dies
*First Author: Elaine Ju Yen **GAN***
*Co-Author(s): Hanida **HANAFI**, Ee Ling **LIM**, Joan **PALIKAT***

Evolving Academia, Research, Teaching and Education in Ophthalmology

Poster No.: PO-048
An Unusual Ptosis With a Napkin Ring Sign
*First Author: Zjen Pang **MOI***
*Co-Author(s): Yong **GENG YI***

Poster No.: PO-049
Molecular Genetics and Clinical Characteristics of Isolated Cryptophthalmos: A Case Series
*First Author: Rutusha **DODWAD***
*Co-Author(s): Harsha **BHATTACHARJEE**, Nilutparna **DAS***

Poster No.: PO-050
Rhegmatogenous Retinal Detachment Surgery Trends and Training in Asia-Pacific Region and Impact of COVID-19 Pandemic
*First Author: Hung Da **CHOU***
*Co-Author(s): Vivek **DAVE**, Adrian **FUNG**, Lawrence **IU**, Chee-Wai **WONG***

Glaucoma and Glaucoma Surgery

Poster No.: PO-072
Big Challenges in a Small Eye: Management of Secondary Angle Closure Glaucoma and Aqueous Misdirection in a Nanophthalmic Patient, a Case Report
*First Author: Cherry Vhie **ORTEGA***

Poster No.: PO-059
Clinical Response to MicroShunt in Glaucoma Patients With History of Ocular Surgery: A Subgroup Analysis
*First Author: Joseph **PANARELLI***
*Co-Author(s): Brian **FLOWERS**, Patricia **FRANCO**, Julian **GARCIA-FEIJOO**, Tuan **NGUYEN***

Poster No.: PO-064
Clinical Response to MicroShunt in Glaucoma Patients With Screening IOP <18 mmHg
*First Author: Joseph **PANARELLI***
*Co-Author(s): Brian **FLOWERS**, Patricia **FRANCO**, Julian **GARCIA-FEIJOO**, Tuan **NGUYEN***

Poster No.: PO-065
Comparative Analysis of Efficacy of Hydrus Microstent in Open-Angle Glaucoma and Mixed-Mechanism/Narrow-Angle Glaucoma
*First Author: Minh-Khanh **VINH***
*Co-Author(s): Sunee **CHANSANGPETCH**, Shan **LIN**, Ngoc **NGUYEN**, Sunita **RADHAKRISHNAN**, Alan **TRAN***

Poster No.: PO-055
Comparative Effect of Hemodialysis on Intraocular Pressure of End-Stage Renal Disease Patients With and Without Diabetes Mellitus
*First Author: Sangeetha **SUBRAMANIAM***
*Co-Author(s): Jemaima **CHE HAMZAH**, Raja Norliza **RAJA OMAR***

Poster No.: PO-058
Comparison of 36-Month Effectiveness of iStent Technology Combined With Phacoemulsification in Asian Eyes With Primary Open-Angle Glaucoma or Normal-Tension Glaucoma
*First Author: Ting Fang **TAN***
*Co-Author(s): Alice **CHU**, Rahat **HUSAIN**, Jin Rong **LOW**, See Teng **TAN**, Yamon **THANT SYN***

Poster No.: PO-071
Comparison of Anterior Segment Characteristics in Caucasian Eyes With Different Primary Angle Closure Mechanisms After Laser Peripheral Iridotomy
*First Author: Tin **TUN***
*Co-Author(s): Tin **AUNG**, Andrzej **SAWICKI**, Agnieszka **WILKOS-KUC**, Tomasz **ŻARNOWSKI***

Poster No.: PO-073
Effect of Gingko Biloba Extract EGb761 on Ocular Blood Flow: An Optical Coherence Tomography Angiography Study
*First Author: Shayne **TAN***
*Co-Author(s): Ching Lin **HO**, Monisha **NONGPIUR**, Shamira **PERERA**, Leopold **SCHMETTERER***

Poster No.: PO-076
Effect of Low-Cost Aqueous Drainage Device and Trabeculectomy on Corneal Endothelium and Anterior Chamber Flare: A Prospective Randomized Open-label Blinded Endpoint (PROBE) Study
*First Author: Abinaya **VALLIAPPAN***
*Co-Author(s): Sushmita **KAUSHIK**, Surinder **PANDAV**, Srishti **RAJ**, Faisal **TT***

Poster No.: PO-067
Effect of Mitomycin C-Augmented Trabeculectomy on Astigmatism
*First Author: Brindha **GULENDRAN***
*Co-Author(s): Haireen **KAMARUDDIN**, Rona Asnida **NASARUDDIN***

Poster No.: PO-060
Efficacy and Safety of Canaloplasty vs Trabeculectomy Either Standalone or Combined With Cataract Surgery: An Updated Meta-analysis
*First Author: Abdelaziz **ABDELAAL***
*Co-Author(s): Hashem **ABU SERHAN**, Helmy **BADR**, Mohamed **EBRAHIM**, Mohamed **ELMALLAHY***

Poster No.: PO-052
Efficacy and Safety of Combined Phacoemulsification and Trabeculectomy in Late Advanced Stage of Primary Glaucoma: A 12-Month Follow-up
*First Author: Widya Artini **WIYOGO***
*Co-Author(s): Zeiras Eka **DJAMAL**, Emma **RUSMAYANI**, Iwan **SOEBIJANTORO***

Poster No.: PO-066
Efficacy and Tolerance of Netarsudil Latanoprost Fixed Dose Combination in a Switch Study With Other Glaucoma Medications
*First Author: Nandini **KANDAMURI***

Poster No.: PO-075
Free Fall: Spontaneous Detachment of Ahmed Glaucoma Valve Tube
*First Author: Varsha **BELAMGI***
*Co-Author(s): Gowri **MURTHY***

Poster No.: PO-062
Is There a Difference in Surgical Outcome Based on Location of Scleral Flap for Trabeculectomy?
*First Author: Satoshi **YOKOTA***
*Co-Author(s): Masashi **FUJIHARA**, Yasuhiko **HIRAMI**, Yasuo **KURIMOTO**, Shogo **YAMAMOTO**, Satoru **YOSHIMIZU***

Poster No.: PO-056
Is This Really Juvenile Glaucoma?
*First Author: Kah **LENG***
*Co-Author(s): Jie Jie **LIM**, Hong Kee **NG***

Poster No.: PO-053
Latanoprostene Bunod 0.024% in the Treatment of Open-Angle Glaucoma and Ocular Hypertension
*First Author: Yu-Yen **CHEN***
*Co-Author(s): Man-Chen **HUNG***

Poster No.: PO-068
Long-term Follow-up in Myopic Glaucoma: Progression Rates and Associated Factors
*First Author: Mingu **HUH***
*Co-Author(s): Yoon **JEONG**, Jin Wook **JEOUNG**, Young Kook **KIM**, Ki Ho **PARK**, Young-In **SHIN***

Poster No.: PO-239
Long-term Outcomes of Acute Primary Angle Closure in Korean Population
*First Author: Yoon **JEONG***
*Co-Author(s): Mingu **HUH**, Jin Wook **JEOUNG**, Young Kook **KIM**, Ki Ho **PARK**, Young-In **SHIN***

Poster No.: PO-061
Longitudinal Evaluation of Advanced Glaucoma: 10 Years and Beyond Follow-up Cohort Study
*First Author: Young-In **SHIN***
*Co-Author(s): Mingu **HUH**, Yoon **JEONG**, Jin Wook **JEOUNG**, Young Kook **KIM**, Ki Ho **PARK***

Poster No.: PO-063
Outcomes of Micro Pulse Transscleral Diode Laser Cyclophotocoagulation in Refractory Glaucoma
*First Author: Ambreen **GUL***

Poster No.: PO-054
Phacoemulsification Versus Phacotrabeculectomy in Pseudoexfoliation Glaucoma
*First Author: Rakhi **DCRUZ***

Poster No.: PO-070
Phacoemulsification With Endoscopic Cyclophotocoagulation Versus Phacoemulsification Alone in Primary Angle Closure Glaucoma
*First Author: Dewang **ANGMO***
*Co-Author(s): Tanuj **DADA**, Kanchangouri **SATPUTE**, Namrata **SHARMA**, Saurabh **VERMA***

Poster No.: PO-074
Platelet Parameters and Coagulation Profile in Primary Open Angle Glaucoma Patients
*First Author: Shweta **SINGH***

Poster No.: PO-051
Role of Combined Phacoemulsification and External Cyclodiode Laser in Managing Patients With End-stage Glaucoma
*First Author: Sudipto **BHATTA***

Poster No.: PO-057
Steroid-Induced Glaucoma Combined With Purtscher-Like Retinopathy in a Young Patient With Systemic Lupus Erythematosus: A Case Report
*First Author: Channdarith **KITH***
*Co-Author(s): Piseth **KONG**, Chukmol **KOSSAMA**, Un **LENG**, Sun **VINH***

Poster No.: PO-069
iTrack Global Data Registry to Support Role of Canaloplasty for Treatment of Glaucoma
*First Author: Nathan **KERR***
*Co-Author(s): Ike **AHMED**, Keith **BARTON**, David **LUBECK***

Intraocular Inflammation, Uveitis and Scleritis

Poster No.: PO-081
A Rare Case of Paradoxical Reaction of Eyes to Anti-tuberculosis Drugs
*First Author: Zayani **ZOHARI***
*Co-Author(s): Zunaina **EMBONG**, Sakinah Binti **ZAKARIA***

Poster No.: PO-077
An Unexpected Occurrence: Acute Retinal Pigment Epitheliitis Following COVID-19 Vaccination
*First Author: Shao Sze **TAN***
*Co-Author(s): Tajunisah **IQBAL**, Abdul Manan **NORANIDA**, Amir **SAMSUDIN***

Poster No.: PO-083
Bilateral Choroidal Folds With Exudative Retinal Detachment As First Presentation of Extra-Articular Rheumatoid Arthritis
*First Author: Wan Mohd Aiman **WAN ABDUL RAHMAN***
*Co-Author(s): Marium **JAMALUDDIN AHMAD**, Tengku **KAMALDEN***

Poster No.: PO-086
Double Trouble – A Case Series of Concurrent HLA-B27 Associated Uveitis and Tuberculous Uveitis
*First Author: Arshee **AHMED***
*Co-Author(s): Parthapratim **DUTTA MAJUMDER***

Poster No.: PO-085
Missed Intraocular Foreign Body Resulting in Siderosis Bulbi: A Case Report
*First Author: Farah **IBRAHIM***

Poster No.: PO-079
Role of COVID-19 Vaccination in Scleritis and Episcleritis
*First Author: Ashit **HANDA***
*Co-Author(s): Padmamalini Mahendra **DAS**, Ankush **KAWALI**, Sanjay Srinivasan **SRINIVASAN***

Poster No.: PO-080
Role of Multimodal Imaging in Serpiginous Like Choroiditis Secondary to Toxoplasmosis
*First Author: Isha **ACHARYA***
*Co-Author(s): Padmamalini Mahendra **DAS**, Ankush **KAWALI**, Sai Bhakti **MISHRA**, Sanjay **SRINIVASAN***

Poster No.: PO-084
Uveitic Spontaneous Lens Resorption in a Filipino Male: A Case Report
*First Author: Patricia Kaye **SY***
*Co-Author(s): Karlo Marco **CLAUDIO**, Cristina **GARCIA***

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*First Author: Manpreet **KAUR***
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*First Author: Ronak **SOLANKI***

Retina (Medical)

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A Rare Case of Unilateral Pigmented Paravenous Retinochoroidal Atrophy With Optic Disc Drussen
*First Author: Ipsita **BARMAN***

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Association of Serum Vitamin D Levels With Clinical Spectrum of Central Serous Chorioretinopathy Patients of Indian Origin
*First Author: Ashok **KUMAR***
*Co-Author(s): Amit **ARORA**, Rohit **BHANOT**, Sanjay **MISHRA**, Sandeep **SHANKAR***

Poster No.: PO-205
Association of VEGF -141 C/a Polymorphism With Neovascular Age-Related Macular Degeneration in Indonesia
*First Author: Supanji **SUPANJI***
*Co-Author(s): Angela Nurini **AGNI**, Mohammad **PRAYOGO**, Muhammad **SASONGKO**, Firman **WARDHANA***

Poster No.: PO-199
Audit on Satisfaction of Provided Pain Management Among Patients Who Received Intravitreal Antivascular Endothelial Growth Factor Injections in a Teaching University Hospital
*First Author: Goh **HAN***
*Co-Author(s): Tajunisah **IQBAL**, Gowri **SUPRAMANIAM***

Poster No.: PO-214
Baseline Factors Associated With 1-Year Outcomes in Phase III Comparison of SB11 (BYOOVIZ, Ranibizumab-Nuna) With Reference Ranibizumab (LUCENTIS) in nAMD
*First Author: Neil **BRESSLER***

Poster No.: PO-197
Branch Retinal Artery Occlusion in a Young Patient After Radiotherapy for Nasopharyngeal Carcinoma
*First Author: Elizabeth **CHEN***
*Co-Author(s): Helen **MI***

Poster No.: PO-203
Coats Disease: A Case Report
*First Author: Khairun Nisa **MOHD ZAIDAN***
*Co-Author(s): Rafidah **MD SALEH**, Amirah **MOHAMMAD RAZALI**, Mazaya **MAHMUD**, Muhammad Syamil **MOHAMAD SALMI***

Poster No.: PO-196
Correlation of Video Display Terminal Exposure and Macular Pigment Optical Density Levels Among Filipinos
*First Author: Ronald **TIU***

Poster No.: PO-198
Cryptococcus Chorioretinitis: A Case Report
*First Author: Siti Aeisyah **AYOB***
*Co-Author(s): Nor Azita **AHMAD TARMIDZI**, Hamisah **ISHAK***

Poster No.: PO-204
Double Disk Double Risk
*First Author: Amit Kumar **DEB***
*Co-Author(s): Shreays **TEMKAR***

Poster No.: PO-195
Evaluation of Deep Choroidal Vascular Changes Using EnFace OCT in Central Serous Chorioretinopathy
*First Author: Nasiq **HASAN***
*Co-Author(s): Rohan **CHAWLA**, Dheepak **SUNDAR***

Poster No.: PO-207
Imaging Biomarkers Affecting Visual Outcomes in Polypoidal Choroidal Vasculopathy
*First Author: Colin **TAN***

Poster No.: PO-200
Nutritional Blindness – A Plight of Vitamin B-12 Deficiency
*First Author: Izzati **OTHMAN***
*Co-Author(s): Norlelawati **ABU**, Wanni **GOH**, Sangeeta **KUGANASAN**, Evelyn **TAI***

Poster No.: PO-208
Pigment Epithelial Detachment Scarring Index: A New Imaging Biomarker in Wet Age-Related Macular Degeneration
*First Author: Amrish **SELVAM***
*Co-Author(s): Jay **CHHABLANI**, Sanjana **HARIHAR**, Vinisha **SANT**, Stavan **SHAH**, Sumit **SINGH***

Poster No.: PO-218
Plasma Homocysteine Contributes to Diabetic Retinopathy Associated With Dysregulated Lipid Profile and Impaired Kidney Function in Patients With Type 2 Diabetes Mellitus
*First Author: Xiaosi **CHEN***
*Co-Author(s): Xinyuan **ZHANG**, Yiyun **ZENG***

Poster No.: PO-210
Practice Patterns of Hydroxychloroquine Retinopathy Screening in South Korea: Screening Timing and Modalities in a Nationwide Cohort Study
*First Author: Seong Joon **AHN***
*Co-Author(s): Ko Eun **KIM***

Poster No.: PO-238
Prognostic Value of Myopic Disc Deformation in Myopic Choroidal Neovascularization
*First Author: Yoonjeon **KIM***

Poster No.: PO-209
Purtscher-Like Retinopathy in Preeclampsia
*First Author: Francis Dominic **VILLANGCA***
*Co-Author(s): Jazel **VERDE***

Poster No.: PO-206
Rapid Orbital and Optic Nerve Infiltration in a Lady With Aggressive Diffuse Large B-Cell Lymphoma
*First Author: Sharon Yet **XUE ER***
*Co-Author(s): Sangeeta **KUGANASAN**, Sujaya **SINGH**, Nandini **VIJAYA SINGHAM***

Poster No.: PO-211
SD OCT Biomarkers' Role in Predicting Visual Outcome in Diabetic Macular Oedema
*First Author: Vinod **SINGH***
*Co-Author(s): Jagriti **RANA**, Deeksha **SINGH**, Kamaljeet **SINGH**, Shivna **THAKER***

Poster No.: PO-216
Sparkle in the Eye: A Rare Case of Biettis Crystalline Dystrophy
*First Author: Priethikka **M S***
*Co-Author(s): Nivetha **GANDHI***

Poster No.: PO-201
Translocator Protein a New Therapeutic Target for Age-Related Macular Degeneration
*First Author: Xinhua **SHU***
*Co-Author(s): Aileen **WONG***

Poster No.: PO-215
Vogt-Koyanagi-Harada Disease With Variable Clinical Spectrum: A Case Series
*First Author: Muharliza **MUSA***
*Co-Author(s): Nor Azita **AHMAD TARMIDZI**, Hamisah **ISHAK***

Poster No.: PO-212
When Time Is More Valuable Than Anything Else
*First Author: Zokri **MOHD FAIZAL***
*Co-Author(s): Othman **OTHMALIZA***

Retina (Surgical)

Poster No.: PO-220
Amniotic Membrane Graft for Treatment of Large Refractory Macular Hole
*First Author: Hussain **KHAQAN***

Poster No.: PO-226
Anatomical and Functional Outcomes of Retinectomy in Recurrent Retinal Detachment: A Detailed Analysis
*First Author: Naresh **KANNAN***
*Co-Author(s): Avik **DEY SARKAR**, Mathu Krishnan Vallinayagam **VALLINAYAGAM***

Poster No.: PO-221
Association Between Restoration of Ellipsoid Zone and External Limiting Membrane After Macula Hole Surgery and the Visual Outcome
*First Author: Michele Shi-Ying **TEY***
*Co-Author(s): Nor Azita **AHMAD TARMIDZI**, Zabri **BIN KAMARUDIN**, Wardati Hanisah **BINTI JAMI**, Francesca Martina **VENDARGON***

Poster No.: PO-231
Causes and Outcomes of Intra-operative Retinal Breaks During Surgery for Tractional Retinal Detachments Secondary to Retinopathy of Prematurity
*First Author: Komal **AGARWAL***
*Co-Author(s): Subhadra **JALALI**, Praneet **TELUKUNTA***

Poster No.: PO-230
Clinical Profile and Outcomes of Rhegmatogenous Retinal Detachment Secondary to Retinopathy of Prematurity
*First Author: Komal **AGARWAL***
*Co-Author(s): Kiran **CHANDRA**, Subhadra **JALALI**, Praneet **TELUKUNTA***

Poster No.: PO-223
Does Timing of Vitreoretinal Surgery Impact Your Surgical Performance? – A Simulator-Based Study
*First Author: Ashish **MARKAN***
*Co-Author(s): Mohit **DOGRA**, Deeksha **KATOCH**, Ramandeep **SINGH**, Simar Rajan **SINGH**, Basavaraj **TIGARI***

Poster No.: PO-227
Enface Optical Coherence Tomography Closure Patterns in Idiopathic Macular Holes
*First Author: Niroj **SAHOO***
*Co-Author(s): Jay **CHHABLANI**, Ashika **PATIL**, Mudit **TYAGI***

Poster No.: PO-225
Global Incidence and Temporal Trend of Rhegmatogenous Retinal Detachment
*First Author: Jasmine **GE***
*Co-Author(s): Ning **CHEUNG**, Zhen Ling **TEO***

Poster No.: PO-222
Lens Status: A Protective Factor for Endothelium During Phacofragmentation Following Complicated Phacoemulsification
*First Author: Nasiq **HASAN***
*Co-Author(s): Mohamed **IBRAHIME ASIF**, Nimmy **RAJ***

Poster No.: PO-224
Racial Differences in Outcomes of Full Thickness Macular Hole Repair Following Pars Plana Vitrectomy
*First Author: Chloe **KHOO***
*Co-Author(s): Haig **PAKHCHANIAN**, Marena **PATRONAS**, Rahul **RAIKER***

Poster No.: PO-228
Successful Management With Implementation of Complete and Early Vitrectomy for Acute-Onset Postoperative Endophthalmitis: A Case Report
*First Author: Adiarani **PUSPITAATI***
*Co-Author(s): Rosy **ALDINA**, Mirza **METITA***

Poster No.: PO-229
To Operate or Not? Postoperative Outcomes in Our Series of LHEP Patients
*First Author: Henal **JAVERI***
*Co-Author(s): Mahesh Shanmugam **PALANIVELU**, Rajesh **RAMANJULU***

Translational and Visual Sciences Research

Poster No.: PO-233
A Wearable Device for Glaucoma Risk Monitoringg
*First Author: Mayinuer **YUSUFU***
*Co-Author(s): Shuo **GAO**, Mengtian **KANG**, Wenjun **XU**, Chi **ZHANG***

Poster No.: PO-235
Circulating miR-15a as a Potential Marker for Diabetic Retinopathy
*First Author: Nur Musfirah **MAHMUD***
*Co-Author(s): Samarjit **DAS**, Tengku **KAMALDEN**, Nurliza **KHALIDDIN***

Poster No.: PO-236
Increase Expression of Circulatory miR-15a in Diabetic Macular Oedema (GOAP Bayer Award 2018)
*First Author: Nur Musfirah **MAHMUD***
*Co-Author(s): Samarjit **DAS**, Tengku **KAMALDEN**, Nurliza **KHALIDDIN***

Poster No.: PO-232
Novel Cyclic Nucleotide-Gated Channel, Beta-1 Gene Variants in Filipino Siblings With Retinitis Pigmentosa
*First Author: Marianne Grace **NAVARRETE***
*Co-Author(s): Manuel Benjamin **IBANEZ**, Tamilyn Chelsea **LADDARAN***

Poster No.: PO-234
Prevalence of Myopia in Adults With Previous Childhood Atropine Treatment
*First Author: Wen Pei Angeline **TOH***
*Co-Author(s): Marcus **ANG**, Joey **CHUNG**, Yong **LI***

POSTER DISCUSSION SESSIONS

FEB 23, 2023 (THU)

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology

Poster Discussion 1 - Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology & Ocular Imaging

16:00 - 16:30 **Venue: EXHIBITION HALL 6 (Level 1)**
*Chair(s): Jan Bond **CHAN**, Adzura **SALAM***

16:00 Explainable Artificial Intelligence Model Using Gradient-Weighted Class Activation Mapping (GradCAM) for Detection of Myopic Macular
*Ting Fang **TAN***

16:05 Evaluating the Performance of No-Code Artificial Intelligence Solution To Classify Retinal Pathologies From Optical Coherence Tomography Images
*Kabilan **ELANGOVAN***

16:10 Comparison of a Novel Automated Visual Acuity Test Using Augmented Reality With Snellen Visual Acuity and the Early Treatment of Diabetic
*Victor **KOH***

16:15 Resurgence of an Old-World Disease: Ocular Features and Multimodal Imaging Characteristics in Acute Syphilitic Posterior Placoid Chorioretinitis
*Shew Fei **CHEE***

16:20 Comparison of Automated Subfoveal Choroidal Thickness Segmentation in Topcon Triton Deep Range Imaging Optical Coherence Tomography (DRI-OCT) and PLEX Elite 9000 OCT Among Myopic Subjects
*Joey **CHUNG***

16:25 Choroidal Biomarkers in Central Serous Chorioretinopathy
*Arman **ZARNEGAR***

Cataract and Cataract Surgery

Poster Discussion 2 - Cataract and Cataract Surgery; and Refractive Surgery

16:00 - 16:30 **Venue: EXHIBITION HALL 7 (Level 3)**
*Chair(s): Julieana **MUHAMMED**, Norlelawati **ZAINOL***

16:00 Multiple Linear Regression Model for Improving the Accuracy of Capsulorhexis Size Calculation in Femtosecond Laser-Assisted Cataract Surgery for Adults: A Retrospective Single-Center Study
*Takeshi **TESHIGAWARA***

16:05 Safety and Efficiency of Hydroimplantation of Foldable Intraocular Lens
*Roderick **VICENTE***

16:10 Clinical Outcomes of Retropupillary Iris Claw Iol Fixation in Pediatric Age Group
*Tavishi **SINGHAL***

16:15 Spectrum of Post-lasik Epithelial Ingrowth-Optimizing Outcomes With Intraoperative Optical Coherence Tomography
*Manpreet **KAUR***

16:20 Myopic Patient Acceptance and Preference to Refractive Surgery
*Mayinuer **YUFUSU***

FEB 24, 2023 (FRI)

Evolving Academia, Research, Teaching and Education in Ophthalmology

Poster Discussion 3 - Evolving Academia, Research, Teaching and Education in Ophthalmology; and Miscellaneous

10:30 - 11:00 **Venue: EXHIBITION HALL 6 (Level 1)**
*Chair(s): Rona **NASARUDDIN**, Tengku Norina **TUAN JAFFAR***

10:30 Molecular Genetics and Clinical Characteristics of Isolated Cryptophthalmos: A Case Series
Rutusha ***DODWAD***

10:33 An Unusual Ptosis With a Napkin Ring Sign
Zjen Pang ***MOI***

10:36 Monkeypox-Associated Manifestations and Complications Involving the Eye: A Meta-Analysis of Previous and Current Outbreaks
Abdelaziz ***ABDELAAL***

10:39 Cases Series: Cysticercosis's Ocular Manifestations
David ***CHANTHAN***

10:42 Smartphone Fundus Photography – Tips and Tricks! 1-Year Journey of a New VR Surgeon
Harshit ***VAIDYA***

10:45 Long-term Follow-up in Myopic Glaucoma: Progression Rates and Associated Factors
Mingu ***HUH***

Glaucoma and Glaucoma Surgery

Poster Discussion 4 - Glaucoma and Glaucoma Surgery; and Cornea, External Eye Diseases and Eye Banking

16:00 - 16:30 **Venue: EXHIBITION HALL 6 (Level 1)**
Chair(s): Teck Chee ***CHENG****, Sujaya* ***SINGH***

16:00 Long-term Outcomes of Acute Primary Angle Closure in Korean Population
Yoon ***JEONG***

16:05 Comparative Analysis of the Efficacy of the Hydrus Microstent in Open-Angle Glaucoma and Mixed-Mechanism/Narrow-Angle Glaucoma
Minh-Khanh ***VINH***

16:10 Comparison of Anterior Segment Characteristics in Caucasian Eyes With Different Primary Angle Closure Mechanisms After Laser Peripheral Iridotomy
Tin ***TUN***

16:15 Neuropathic Ocular Surface Changes, Corneal Nerve Imaging and Neuromediator Profiles in Smile and Femtosecond Lasik
Alvin ***TEO***

16:20 Probiotics Pretreatment Attenuates Impaired Corneal Re-epithelialization in Diabetic Mice Through Amelioration of T Cell Immunity and Remodulation of the Intestinal Microbiome
Yashan ***BU***

16:25 Deep Anterior Lamellar Keratoplasty (Dalk) Rejection Following SARS-CoV-2 Vaccination: 2 Case Reports
Rishi ***SWARUP***

16:30 Clinical Response to MicroShunt in Glaucoma Patients With Screening IOP <18 mmHg
Joseph ***PANARELLI***

Intraocular Inflammation, Uveitis and Scleritis

Poster Discussion 5 - Intraocular Inflammation, Uveitis and Scleritis; and Ocular Oncology and Pathology

16:00 - 16:30 **Venue: EXHIBITION HALL 7 (Level 3)**
Chair(s): Rafidah ***SALEH****, Lathalakshmi* ***THANGAVELU***

16:00 The Role of Multimodal Imaging in Serpiginous Like Choroiditis (Slc) Secondary to Toxoplasmosis
Isha ***ACHARYA***

16:05 Vogt-Koyanagi-Harada Syndrome following Covid-19 Vaccination
Ann Ran ***TEOH***

16:10 An Acute Periorbital Swelling in an Infant
Manoj ***VASUDEVAN***

16:15 Successful Management of Extensive Bilateral Periocular Xanthogranuloma in Adult: A Case Report
Karina ***LUTHFIA***

16:20 Maxillary Squamous Cell Carcinoma Masquerading as Orbital Cellulitis: A Case Report
Maria Christine ***DY***

FEB 25, 2023 (SAT)

Orbital and Oculoplastic Surgery

Poster Discussion 6 - Orbital and Oculoplastic Surgery; and Pediatric Ophthalmology and Strabismus; and Ophthalmic Epidemiology and Prevention of Blindness

10:30 - 11:00 **Venue: EXHIBITION HALL 7 (Level 3)**
Chair(s): Nor Akmal ***BAHARI****, Lai Yong* ***TAI***

10:30 Choroidal Melanoma: A Case Series
Chia Yaw ***TEOH***

10:33 Discovery of the Hidden Cure; Similarities Between Two Cases of Recurrent Orbital Abscess
Aini ***ARIDAN***

10:36 Extraordinary Phthisis Eye: A Rare Case of Left Ciliary Body Adenocarcinoma
Sai Priyalatha ***MARIAPAN***

10:39 Identifying Left and Right Eyes in Facial Photographs of Infants Using Deep Learning
Shion ***HAYASHI***

10:42 Birth-Related Retinal Hemorrhages in Healthy Full-term Newborns
Xin Ying ***LIM***

10:45 Higher Risk for Retinopathy of Prematurity in Infants >1,000grams Following Higher Oxygen Saturation Targets
May-May ***CHOO***

10:48 Central Corneal Thickness and Primary Open-Angle Glaucoma: A Mendelian Randomization Study
Skanda ***RAJASUNDARAM***

Retina (Medical)

Poster Discussion 7 - Retina (Medical and Surgical)

16:00 - 16:30 **Venue: EXHIBITION HALL 6 (Level 1)**
Chair(s): Chenshen ***LAM****, Ahmad Razif* ***OMAR***

16:00 Baseline Factors Associated with 1-Year Outcomes in Phase III Comparison of SB11 (BYOOVIZ, Ranibizumab-nuna) with Reference Ranibizumab (LUCENTIS) in nAMD
Neil ***BRESSLER***

16:05 Exudative Vascular Anomalous Complex (Evac) of the Peripapillary Area
Shreyas ***TEMKAR***

16:10 Nutritional Blindness- A Plight of Vitamin B-12 Deficiency
Izzati ***OTHMAN***

16:15 Racial Differences in Outcomes of Full Thickness Macular Hole (FTMH) Repair following Pars Plana Vitrectomy (PPV)
Chloe ***KHOO***

16:20 Global Incidence and Temporal Trend of Rhegmatogenous Retinal Detachment
Jasmine ***GE***

16:25 The Association Between the Restoration of Ellipsoid Zone and External Limiting Membrane After Macula Hole Surgery and the Visual Outcome
Michele Shi-Ying ***TEY***

Translational and Visual Sciences Research

Poster Discussion 8 - Translational and Visual Sciences Research; and Neuro-Ophthalmology

16:00 - 16:30 **Venue: EXHIBITION HALL 7 (Level 3)**
Chair(s): Mohamad ***SHAHIDATUL ADHA****, Meng Hsien* ***YONG***

16:00 Prevalence of Myopia in Adults with Previous Childhood Atropine Treatment
Wen Pei Angeline ***TOH***

16:05 Increase Expression of Circulatory miR-15a in Diabetic Macular Oedema (Goap Bayer Award 2018)
Nur Musfirah ***MAHMUD***

16:10 Novel Cyclic Nucleotide-Gated Channel, Beta-1 Gene Variants in Filipino Siblings With Retinitis Pigmentosa
Marianne Grace ***NAVARRETE***

16:15 Bilateral Optic Neuritis Without Ophthalmoplegia As Initial Presentation of Incomplete Bickerstaff Brainstem Encephalitis: An Atypical Presentation
Cheau Wei ***CHIN***

E-POSTERS

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology

Accuracy of Wearable Device for Monitoring Light Exposure, Sleep Behavior, and Physical Activity
*First Author: Wenjun **XU***
*Co-Author(s): Junliang **CHEN**, Shuo **GAO**, Mengtian **KANG**, Mayinuer **YUSUFU***

Aldose Reductase Inhibitory Potential of Hybanthus Enneaspermus: Biological Importance in Medicine for Treatment of Diabetes Related Secondary Complication
*First Author: Dinesh **PATEL***

Association of Retinal Age Gap With Arterial Stiffness and Incident Cardiovascular Disease
*First Author: Lisa **ZHU***
*Co-Author(s): Mingguang **HE***

Automated Machine Learning Model for Optical Coherence Image Classification
*First Author: Suklengmung **BURAGOHAIN***
*Co-Author(s): Manabjyoti **BARMAN**, Harsha **BHATTACHARJEE**, Henal **JAVERI***

Fast Detection of Ocular Image Features in Swept Source Optical Coherence Tomography Images Using a Deep-Learning Object Detection Algorithm
*First Author: Damon **WONG***
*Co-Author(s): Jacqueline **CHUA**, Shi Quan **ONG**, Ian **POEY**, Leopold **SCHEMETTERER***

Role of Community Outreach in Assessment of Prevalence of Amblyopia
*First Author: Krati **GUPTA***
*Co-Author(s): Damaris **MAGDALENE***

Systemtic Review on Blockchain Applications in Healthcare
*First Author: Wei Yan **NG***

Tele-Ophthalmology and Artificial Intelligence in Developing Countries
*First Author: Sanyam **BAJIMAYA***

Transition to Subtenon's Anesthesia in Cataract Surgery: Have Block Related Complications Reduced?
*First Author: Basitali **LAKHANI***
*Co-Author(s): Balamurugan **S***

Cataract and Cataract Surgery

A Case Report of Isolated Bilateral Lens Coloboma
*First Author: Femin **TIDE***

A Difficult Case of Bilateral Dislocated Lens in Patient With Marfan Syndrome
*First Author: Devyntya **PUTRI***
*Co-Author(s): Nina **HANDAYANI***

A Flawless Lash
*First Author: Merlin **BENZY***

A Novel Slit Lamp Based Toric Marker (STORM): A Comparative Series of 60 Eyes with Results of New and Conventional Marking Techniques
*First Author: Neeraj **ISRANI***

ADL Lens – A Novel Intraocular Lens Design to Prevent Negative Dysphotopsia
*First Author: Prabhakar **G V***

Alcon Panoptix Versus Vivity Intraocular Lens Retrospective Comparison
*First Author: Uday **BHATT***
*Co-Author(s): Lewis **LEVITZ***

Assessing Visual Acuity Improvement Between Optical Biometry and Ultrasound Biometry Examination of Phacoemulsification Cataract Surgery in Patient With Retinal Pathology
*First Author: Agung **NUGROHO***
*Co-Author(s): Retno **PUSPITANINGTYAS**, Supanji **SUPANJI**, Agus **SUPARTOTO***

Axial Misalignment After Implantation of Clareon Toric Intraocular Lenses
*First Author: Tomohisa **NISHIMURA***

Clinical Effects of AcrySof Toric Intraocular Lens Implantation for Correcting Cataract Patients With Low Corneal Astigmatism
*First Author: Yating Deng **YATING DENG***

Clinical Outcomes of Diffractive Multifocal Extended Depth of Focus IOL: Artis Symbiose, Crystalens
*First Author: Seungjin **LEE***
*Co-Author(s): Jimyung **LEE***

Clinical Presentation and Surgical Outcome of Hyper Mature Cataract in Tertiary Eye Center of Bangladesh
*First Author: Tanima **ROY***
*Co-Author(s): Kazi Tahmina **AKHTER***

Comparison of Efficacy of Anti-Inflammatory Effect After Small Incision Cataract Surgery
*First Author: Prateek **KOUL***
*Co-Author(s): Himani **JAILKHANI***

Comparison of Manual Continuous Curvilinear Capsulorhexis and Precision Pulse Capsulotomy
*First Author: Yengwoo **SON***
*Co-Author(s): Joon Young **HYON**, Hyun Sun **JEON**, Minhwan **KIM***

Comparison of Outcomes From Next-Generation Enhanced Monofocal and Extended Depth of Focus Intraocular Lenses Implanted by a Senior Trainee Surgeon
*First Author: Lauren **SARTOR***
*Co-Author(s): Christopher **GO**, Colin **KONG**, Tse Wing **YEUNG***

Comparison of Visual Outcome and Intraocular Pressure Between Anterior Versus Retropupillary Iris-Claw of Aphakic Patients
*First Author: Jeffry **CAESAR***
*Co-Author(s): Wisnu **SADASIH***

Cost Analysis of Upgrading a Phacoemulsification System From a US Provider Perspective
*First Author: Kevin **MILLER***
*Co-Author(s): Carine C.W. **HSIAO**, David **LUBECK**, Jessica (Sun-Ming) **PAN**, Daniel **SON**, Lawrence **WOODARD***

Evaluate the Outcome of Phacoemulsification Surgery in Patients with Previous Laser Refractive Surgery
*First Author: Khanh **TRAN***

Fixing My Troubles: A New Technique of Scleral Fixation of Intraocular Lenses – A Retrospective Case Series
*First Author: Deepak **AGARWAL***

Hydro Jet Peeling vs Posterior Capsular Polish for removal of Lens Epithelial Cells
*First Author: Nikhil **BALAKRISHNAN***

IOL Opacification – A Rare and Late Complication Following an Uneventful Cataract Surgery
*First Author: Rakshit **AGRAWAL***
*Co-Author(s): Shweta **WALIA***

Initial Experience With a Single-Piece Non-diffractive Extended Depth of Focus Intraocular Lens
*First Author: Fook-Meng **CHEONG***
*Co-Author(s): Eunice **HIEW POH SUM***

Initial Experience with a Single-Piece Enhanced Monofocal Intraocular Lens Designed to Slightly Extend Depth of Focus
*First Author: Fook-Meng **CHEONG***
*Co-Author(s): Eunice **HIEW POH SUM**, Sharifah **SYED***

Intracameral Antibiotic Prophylaxis in Preventing Endophthalmitis After Cataract Surgery: A Systematic Review
*First Author: Anthea **CASEY***
*Co-Author(s): Ajeng Kartika **AYU PUTRI**, Sarah **SHABRINA***

Outcome and Predictive Factors of Immediate Pars Plana Vitrectomy in Posteriorly Dislocated Lens Fragments During Phacoemulsification
*First Author: Akshay **KOTHARI***
*Co-Author(s): Jai **KELKAR**, Aditya **KELKAR***

Patient Satisfaction After Wavefront Shaping Presbyopia-Correcting IOL Implantation in a Large Cohort Analysis From a Multi-Country Registry Assessment of Real World
*First Author: Simran **MANGAT***
*Co-Author(s): Caridad **PEREZ-VIVES***

Perioperative Analysis of Mature Cataract Phacoemulsification in Kuching, Malaysia
*First Author: Mohd Asyraaf **ABDUL KADIR***
*Co-Author(s): Dennis **KONG**, Lik Thai **LIM***

Phacoemulsification in Eyes with a Large Corneal Perforation - Tips and Tricks
*First Author: Arjun **SRIRAMPUR***

Post-occlusion Surge Amplitude Analysis During Phacoemulsification With New Adaptive Infusion Algorithm in Experiment
*First Author: Bulat **AZNABAEV***
*Co-Author(s): Tagir **DIBAEV**, Timur **ISMAGILOV**, Timur **MUKHAMADEEV***

Purple Fundal Reflex After Segment Removal During Phacoemulsification
*First Author: Riskha **PANGESTIKA***

Recurrent Pupillary Capture After Yamane Intrascleral Haptic Fixation: Case Report and Literature Review
*First Author: Nur Ain Shafiyah **MOHD GHAZALI***
*Co-Author(s): Wen Jeat **ANG**, Wan Hazabbah **WAN HITAM***

Rescuing the Capsulorhexis – Argentinian Flag Sign by Beginner Surgeon: Case Review
*First Author: Ni Made Helen Virginia **JACOB***
*Co-Author(s): Rizal **FANANY**, Wisnu **SADASIH***

Results of Phacoemulsification Cataract Surgery in Previously Vitrectomized Eyes
*First Author: Agung **NUGROHO***
*Co-Author(s): Retno **PUSPITANINGTYAS**, Supanji **SUPANJI**, Agus **SUPARTOTO***

Sitting Phacoemulsification of Cataract and Intraocular Lens implantation: Special
*First Author: Jebinth **BRAYAN***
*Co-Author(s): Prithvi **CHANDRAKANTH***

To Determine Astigmatic Changes of Intrastromal Limbal-Relaxing Incisions Performed During Femtosecond Laser-Assisted Cataract Surgery
*First Author: Nitin **DESHPANDE***

Visual Acuity and Traumatic Intraocular Pressure Outcomes after Penetrating Traumatic Cataracts Surgery
*First Author: Hsu-Ying **LIN***
*Co-Author(s): Kuan-Jen **CHEN**, Chiun-Ho **HOU**, Jiahn-Shing **LEE**, Ken-Kuo **LIN***

Visual Outcomes After Phacoemulsification With Monofocal Intraocular Lenses and Multifocal Intraocular Lenses at Tertiary Eye Hospital in South India: A Retrospective Observational Study
*First Author: Ravi **CHANDRA K***
*Co-Author(s): James Subrat Kumar **ADAMS**, Sowmya **PERI***

Cornea, External Eye Diseases and Eye Banking

A Case Series on Ocular Features of Gliptin Induced Bullous Pemphigoid
*First Author: Mariya **DOCTOR***
*Co-Author(s): Sayan **BASU**, Anahita **KATE***

A Comparison of Visual Outcomes of Deep Anterior Lamellar Keratoplasty Versus Penetrating Keratoplasty of Keratoconus Patients in Malaysia
*First Author: Lai **YIN PENG***
*Co-Author(s): Rohanah **ALIAS**, Shamala **RETNASABAPATHY***

Acute Orbital Necrotizing Fasciitis: a Rare Case Report
*First Author: Calista **GUNAWAN***
*Co-Author(s): Rina La **NORA**, Nizma **PERMAISUARI***

Anti-scarring Effect of Lycium barbarum Polysaccharide After Cornea Stromal Injury
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Intraocular Inflammation, Uveitis and Scleritis

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Case Report – Central Retinal Artery Occlusion, Multifocal Choroidal Hypoperfusion and Bilateral Optic Perineuritis After COVID-19 Vaccine
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Choroidal Tuberculoma and Cytomegalovirus Retinitis Co-infection With Immune Reconstitution Inflammatory Syndrome in Patient With Human Immunodeficiency Virus
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VC Cell Therapy; e
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Santen Pharmaceutical Asia Pte Ltd; f
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Kodiak, Norlase, Regeneron; f
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Alcon; c
James WU
Alcon; f, e

Y

Ming YANG
Genentech, Inc.; e
George YAO
Alcon; f, e
Leonard W YIP
Santen; f
Satoshi YOKOTA
astellas; f
santen; f
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nikon; f
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Young Hee YOON
Allergan, Amgen, Bayer, Celltrion, Novartis, Samsung Bioepis, Roche; f
Alcon, Allergan, Bayer, Samsung Bioepis, Roche; c
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astellas; f
santen; f
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