



Host



PAAO Participation by Special Invitation



The 36th Asia-Pacific Academy of Ophthalmology Congress

5-11 September 2021 <https://2021.apaophth.org/>

VISION BEYOND FRONTIERS



PROGRAM BOOK



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WELCOME MESSAGES

From Congress President



Dear Friends and Colleagues,

Over the years, the Asia-Pacific Academy of Ophthalmology (APAO) Congress has grown into the most influential and vibrant event and an exemplary effort in building a fellowship with a shared vision: driving ophthalmology forward in the Asia-Pacific region and beyond.

When confronted by COVID-19, we have helped each other and taken on the challenges in solidarity. Never before have the destinies of people in different countries been so closely connected. Keeping up the momentum, this year on 5 – 11 September, we invite you to the first-ever APAO 2021 Virtual Congress to share ideas and expertise, to discover cutting-edge innovations, to advance all-round cooperation, and to build a closer ophthalmic community!

Our unprecedented APAO Virtual Congress will be a seven-day online meeting with a highly-focused Scientific Program chaired by Prof. Charles McGhee, for ophthalmologists and visual scientists to explore new medical technology and other virtual options in the era of pandemic. The world is undergoing momentous changes unseen in a century. As we embark on a new journey, we look forward to welcoming you on board for a memorable and wonderful virtual experience!

Yours sincerely

A handwritten signature in black ink, appearing to be 'Ava Hossain'.

Ava Hossain

Congress President 2021

WELCOME MESSAGES

From Scientific Program Chair



Dear Friends and Colleagues,

As Chair of the Scientific Programme Committee for the 36th Asia-Pacific Academy of Ophthalmology Congress, our first-ever virtual congress, I am excited to welcome you to join us from the 5th to 11th September 2021.

The interactive format we utilize this year will allow for maximum international participation and the widest dissemination of world-class science. Mindful of the current global context, this year's scientific programme features 18 sub-specialties with groups of experts presenting a broad range of highly interactive sessions. In addition to the examination of COVID-19-related ophthalmic disorders, other streams will address contemporary ophthalmology and visual science topics.

At the beginning of our seventh decade of providing comprehensive professional and scientific education, we aim to create a new engaging online experience with aspiring professionals, to bring you innovative insights and invaluable expertise.

We have been most fortunate to attract a highly dynamic team of world-recognized experts who have worked tirelessly to assemble a balanced, progressive programme which will capture your imagination, as well as offer great practical relevance to every ophthalmologist in each sub-specialty. I look forward to seeing you at the APAO-Virtual Congress 2021!

A handwritten signature in grey ink, appearing to read 'C. McGhee', with a stylized flourish at the end.

Charles McGhee
Scientific Programme Chair
APAO-Virtual Congress 2021

WELCOME MESSAGES

From President, APAO



Dear Friends and Colleagues,

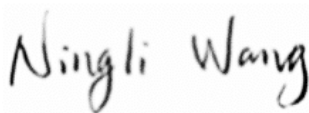
In 2020, we were hindered by the global outbreak of COVID-19, and we were not able to have the annual congress last year. However, it could never stop our pursuit of progress in the science and art of ophthalmology. The pandemic may separate us physically from each other, but it can never cut off our connection and our friendship.

This year, being ready and prepared, we rise to the challenge and bring to each of you the first-ever APAO 2021 Virtual Congress on 5 – 11 September. This one-week virtual excursion will be a very rewarding experience for all the attendees; not only will you be enlightened by the intellectual splendour and dazzled by the industrial innovations, but also be welcome to the network of your peers, your mentors, and your future partners.

This year we will also be organising a series of activities to celebrate our 60th Anniversary in 2020. The first APAO Congress was held in 1960 with the goal of fostering closer relations among ophthalmologists and ophthalmology societies to remove the barriers to ophthalmic education and services in the Asia-Pacific region. Over the past sixty years, oriented to this goal, we have kept moving forward and beyond, and today, we open a new chapter in the APAO's history. I sincerely invite you all to join us in the APAO 2021 Virtual Congress!

Our new adventure is on, and I for one cannot wait. See you soon!

With my best regards,



Ningli Wang

President

Asia-Pacific Academy of Ophthalmology

WELCOME MESSAGES

From Secretariat General, APAO



Dear Friends and Colleagues,

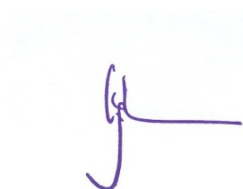
It is our immense pleasure to welcome you to the 36th Asia-Pacific Academy of Ophthalmology (APAO) Congress, our first-ever Virtual Congress, from 5–11 September 2021. The seven-day online excursion also marks the joyous occasion of our 60th Anniversary.

On behalf of APAO and our Member Societies, I would like to express our heartfelt thanks to Prof. Ava Hossain, APAO 2021 Congress President, for bringing us this wonderful and remarkable meeting. At the time of writing, we already have nearly 2,000 registered delegates from over 70 countries. I would also like to convey our deepest gratitude to Prof. Charles McGhee, our APAO 2021 Scientific Programme Chair, and his star-studded Scientific Programme Committee, to have invited 283 faculties from 31 countries. I am confident this would be the best showcase for the theme of our APAO 2021 Virtual Congress – ‘*Vision Beyond Frontiers*’.

We are much honored to have you at the celebration of our 60th Anniversary. Prof. Dennis Lam is leading the zestful 60th Anniversary Organizing Committee to celebrate and recognize the visionary leaders who have contributed to our every success, and the significant milestones in APAO’s history.

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

I hope very much you will enjoy this Congress, before we can all come together in person again, hopefully soon.



Clement C THAM
Secretary-General and CEO,
Asia-Pacific Academy of Ophthalmology (APAO)

WELCOME MESSAGES

From President, PAAO



Dear Colleagues,

We welcome all participants to the 36th Asia-Pacific Academy of Ophthalmology (APAO) Congress that is planned to be held as a virtual meeting on September 5-11, 2021. As a supranational organization, APAO geographically covers more than half of the world's population. Traversing a mosaic of cultures and languages, we admire Dr William John Holmes and the other founding board members, who's vision founded the APAO in 1959.

We are certain the Founding Fathers of APAO would be very proud to see how this organization has grown and continuous serves as an important platform to promote the prevention of blindness and restoration of sight through service, research, teaching and education in ophthalmology.

The APAO has had its share of challenges organizing this meeting facing the global impact of COVID-19. However, the need for continued education has not abated but rather increased. This Congress is an excellent example of the exchange of ophthalmic knowledge and the advancement of the standard of eye care.

We take this opportunity to congratulate the APAO for combatting preventable blindness by fostering closer relations among ophthalmologists and ophthalmological societies in the Asia-Pacific region, and in the world.

Welcome to the 36th Asia-Pacific Academy of Ophthalmology Congress of Ophthalmology!

Best regards,

Miguel N. Burnier Jr MD PhD

PAAO President



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.

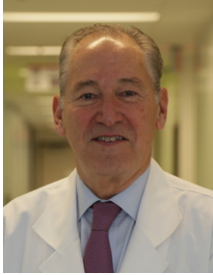
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Participation by special invitation - PAAO



What is the PAAO? ... An Outcome of World War II

World War II had interrupted the International Congress of Ophthalmology in Europe. Because of this, in May 1939, Harry S. Gradle MD, from Chicago, immediate past president of the American Academy of Ophthalmology and Otolaryngology (AAO&O), Moacyr Alvaro MD, a prominent ophthalmologist from São Paulo, Brazil, and Conrad Berens MD, from New York, were inspired to create a new forum in the Americas for the exchange of scientific information in ophthalmology, the development of restoration of sight programs, and international cultural exchange.

Thus, the Pan-American Association of Ophthalmology (PAAO) was born. Today PAAO represents more than 45,000 ophthalmologists and it has been striving to elevate the standards of the practice of ophthalmology and the quality of eye care in the Americas and in the world.





















The PAAO works collaboratively through its partner supranational, national, and affiliated societies, non-governmental organizations, and individual members to bring about major positive changes in the lives of millions of people through education and the restoration of sight to achieve its mission and vision for the organization.

This is a history of dedicated men and women of different generations and cultural backgrounds joined together by friendship and professional identity. More than 80 years since its founding, Miguel N. Burnier Jr. MD, PhD (Canada) is currently the PAAO President. There is a Pan-American movement rooted in scientific and professional progress. This weaving together is the result of the scientific exchange, mutual understanding and cooperation, sincere friendship and respect makes the PAAO like no other.

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New Approaches To Patient Management And Dealing With Unmet Need In The Era Of Covid-19	 Tien-Yin WONG <i>Singapore</i>	 Kelvin CHONG <i>Hong Kong, China</i>	 Robert RITCH <i>United States</i>	 Raymond Wong <i>Hong Kong, China</i>
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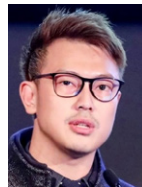
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Mongolian Ophthalmologists' Society

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Nepal Ophthalmic Society



Ophthalmological Society of Bangladesh



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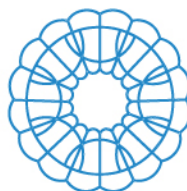
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Vietnam Ophthalmological Society

ASSOCIATE MEMBERS



Brunei Ophthalmology Society



Lao Ophthalmological Society



Pacific Eye Care Society

APAO MEMBER SOCIETIES

SUBSPECIALTY MEMBER SOCIETIES



Asia Cornea Society



Asia-Pacific Glaucoma Society



Asia-Pacific Ophthalmic Trauma Society



Asia-Pacific Society of
Ocular Oncology and
Pathology



Asia-Pacific Society of
Ophthalmic Plastic and
Reconstructive Surgery



Asia-Pacific Strabismus and
Paediatric Ophthalmology Society



Asia-Pacific Vitreo-retina Society

ASSOCIATE MEMBERS



Asia Dry Eye Society



Asia-Pacific Ocular Imaging Society



Asia Pacific Tele-Ophthalmology Society



Asian Neuro-Ophthalmology Society

Society Manager



Clare MOK

Executive Officer



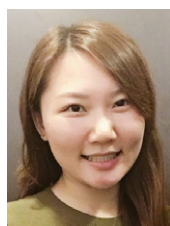
Daisy DENG

Executive Officer



Lancelot LI

Executive Officer



Betsy LI

Executive Officer



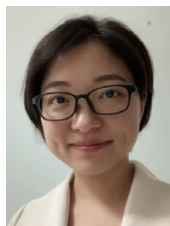
Winnie HO

Media Officer



Bill WONG

Project Coordinator



Helen LIANG



VIRTUAL PROGRAM OVERVIEW

GMT+8	Day 1	Day 2	Day 3	Day 4
	5 September	6 September	7 September	8 September
	(Sunday)	(Monday)	(Tuesday)	(Wednesday)
12:00 - 12:30	Opening Ceremony (12:00-12:30)			
12:30 - 13:00				
13:00 - 13:15	Plenary Session 1 (12:45-14:15)			
13:15 - 13:45				
13:45 - 14:15				
14:15 - 14:30				
14:30 - 15:00	Sponsored Symposia* (14:30-15:30)			
15:00 - 15:30				
15:30 - 15:45	Break			
15:45 - 16:15	Scientific Sessions (15:45-16:45)			
16:15 - 16:45				
16:45 - 17:00	Break			
17:00 - 17:30	Scientific Sessions (17:00-18:00)	Scientific Sessions (17:00-18:00)	Scientific Sessions (17:00-18:00)	
17:30 - 18:00	Scientific Sessions (17:00-18:00)	Scientific Sessions (17:00-18:00)	Scientific Sessions (17:00-18:00)	
18:00 - 18:15	Break	Break	Break	Break
18:15 - 18:45	Scientific Sessions (18:15-19:15)	Scientific Sessions (18:15-19:15)	Scientific Sessions (18:15-19:15)	Scientific Sessions (18:15-19:15)
18:45 - 19:15				
19:15 - 19:30	Break	APAO 60 th Video Show	APAO 60 th Anniversary Travel Grant and Abstract Awards	APAO 60 th Anniversary - Birthday Song
19:30 - 20:00	Sponsored Symposia* (19:30-20:30)	Sponsored Symposia* (19:30-20:30)	Sponsored Symposia* (19:30-20:30)	Sponsored Symposia* (19:30-20:30)
20:00 - 20:30				
20:30 - 20:45		2020 Distinguished Service Awards	2021 Distinguished Service Awards	2020 Outstand- ing Service in Prevention of Blindness Awards
20:45 - 21:15		Scientific Sessions (20:45-21:45)	Scientific Sessions (20:45-21:45)	Scientific Sessions (20:45-21:45)
21:15 - 21:45				

*Sponsored Programs with no CME points.

GMT+8	Day 4 8 September (Wednesday)	Day 5 9 September (Thursday)	Day 6 10 September (Friday)	Day 7 11 September (Saturday)
12:00 - 12:30				
12:30 - 13:00				
13:00 - 13:15				Plenary Session 2 (12:45-14:15)
13:15 - 13:45				
13:45 - 14:15				
14:15 - 14:30				Break
14:30 - 15:00				Sponsored Symposia* (14:30-15:30)
15:00 - 15:30				
15:30 - 15:45				Break
15:45 - 16:15				Scientific Sessions (15:45-16:45)
16:15 - 16:45				
16:45 - 17:00				Break
17:00 - 17:30	Scientific Sessions (17:00-18:00)	Scientific Sessions (17:00-18:00)	Scientific Sessions (17:00-18:00)	Scientific Sessions (17:00-18:00)
17:30 - 18:00				
18:00 - 18:15	Break	Break	Break	Break
18:15 - 18:45	Scientific Sessions (18:15-19:15)	Scientific Sessions (18:15-19:15)	Scientific Sessions (18:15-19:15)	Scientific Sessions (18:15-19:15)
18:45 - 19:15				
19:15 - 19:30	APAO 60 th Anniversary - Birthday Song	YO: Eye Ball Yoga	Virtual Concert	Closing Ceremony
19:30 - 20:00	Sponsored Symposia* (19:30-20:30)	Sponsored Symposia* (19:30-20:30)	Sponsored Symposia* (19:30-20:30)	Sponsored Symposia* (19:30-20:30)
20:00 - 20:30				
20:30 - 20:45	2020 Outstanding Service in Prevention of Blindness Awards	2021 Outstanding Service in Prevention of Blindness Awards	2021 Achievement Awards	
20:45 - 21:15	Scientific Sessions (20:45-21:45)	Scientific Sessions (20:45-21:45)	Scientific Sessions (20:45-21:45)	
21:15 - 21:45				

*Sponsored Programs with no CME points.

PROGRAM AT A GLANCE

Day 1 - Sept 5, 2021 (Sun)

Time	Livestream	Subspecialty	Type	Theme
12:45 - 14:15	Livestream 1	Miscellaneous	Symposium	APAO 2021 Named Awards Lectures
15:45 - 16:45	Livestream 1	Miscellaneous	Symposium	Then and Now
	Livestream 2	Cataract And Cataract Surgery	Symposium	Innovative Cataract Technologies and Techniques
	Livestream 3	Miscellaneous	Workshop	APAO Leadership Development Program (LDP) 2020-21 Orientation Class 1: Introduction to the LDP
17:00 - 18:00	Livestream 1	New Approaches To Patient Management And Dealing With Unmet Need In The Era Of Covid-19	Symposium	New Approaches to Patient Management in the Era of COVID-19
	Livestream 2	Glaucoma And Glaucoma Surgery	Symposium	New Insights in the Diagnosis and Management of Primary Angle Closure Disease
	Livestream 3	Miscellaneous	Workshop	APAO Leadership Development Program (LDP) 2020-21 Orientation Class 2: LDP: You, Your Project and Your Society
18:15 - 19:15	Livestream 1	Translational And Visual Sciences Research	Symposium	Gene Therapy and Risk Factors
	Livestream 2	Retina 1 (Medical - Diabetes)	Symposium	Diabetic Retinopathy and Macular Edema
	Livestream 3	Miscellaneous	Workshop	APAO Leadership Development Program (LDP) 2020-21 Orientation Class 3: Advocacy & Campaign Cycle

Day 2 - Sept 6, 2021 (Mon)

Time	Livestream	Subspecialty	Type	Theme
17:00 - 18:00	Livestream 1	Retina 2 (Medical – Other)	Symposium	The Future is Now
	Livestream 3	Pediatric Ophthalmology And Strabismus	Instruction Course	Imaging in Strabismus-Good, the Bad and the Ugly
18:15 - 19:15	Livestream 1	Translational And Visual Sciences Research	Symposium	Cell Therapy
	Livestream 2	Neuro-Ophthalmology	Symposium	NANOS Symposium: Neuro-Ophthalmic Emergencies You Cannot Afford to Miss!

	Livestream 3	Retina 3 (Surgical)	Instruction Course	Challenging Scenarios in VR Surgery: A Video Based Series
20:45 - 21:45	Livestream 1	Neuro-Ophthalmology	Symposium	Clinical Challenges and Controversies in Neuro-Ophthalmology
	Livestream 2	Refractive Surgery	Symposium	APMS Symposium: Highlights of the 2 nd APMS Congress
	Livestream 3	Retina 2 (Medical – Other)	Free Paper	Rapid Fire Retina 2 (Medical – other) Update Session

Day 3 - Sept 7, 2021 (Tue)

Time	Livestream	Subspecialty	Type	Theme
17:00 - 18:00	Livestream 1	Miscellaneous	Symposium	YO Symposium
	Livestream 2	Translational And Visual Sciences Research	Symposium	APSEG Symposium: Prediction and Prevention of Myopia Progression
	Livestream 3	Miscellaneous	Free Paper	Rapid Fire Cataract and Cataract Surgery, Refractive Surgery & Neuro-Ophthalmology Update Session
18:15 - 19:15	Livestream 1	Evolving Academia, Research, Teaching And Education In Ophthalmology In The Era Of Covid-19	Symposium	Innovations in Ophthalmic Education due to COVID-19
	Livestream 2	Applying Big Data, Artificial Intelligence And Telemedicine In Ophthalmology In The Era Of Covid-19	Symposium	AAO Symposium: The IRIS Registry, Standardization of Ocular Imaging, and Artificial Intelligence
	Livestream 3	Cornea, External Eye Diseases And Eye Banking	Instruction Course	Comprehensive Management of Ocular Complications of Stevens- Johnson Syndrome and Toxic Epidermal Necrolysis in Asians
20:45 - 21:45	Livestream 1	Miscellaneous	Workshop	APAO Anniversary Quiz
	Livestream 3	Cornea, External Eye Diseases And Eye Banking	Free Paper	Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session

Day 4 - Sept 8, 2021 (Wed)

Time	Livestream	Subspecialty	Type	Theme
17:00 - 18:00	Livestream 1	Miscellaneous	Symposium	Leadership Development Program (LDP) Special Session
	Livestream 2	Intraocular Inflammation, Uveitis And Scleritis	Instruction Course	Posterior Uveitis in the Asia-Pacific Region: From Diagnosis to Successful Management

	Livestream 3	Ocular Imaging	Free Paper	Rapid Fire Ocular Imaging Update Session
18:15 - 19:15	Livestream 1	Ocular Imaging	Symposium	What is New in Ocular Imaging
	Livestream 2	Glaucoma and glaucoma surgery	Symposium	APGS Symposium: Lasers and Surgeries for Angle Closure and Angle Closure Glaucoma
	Livestream 3	Miscellaneous	Free Paper	Rapid Fire Translational and Visual Sciences Research & Intraocular Inflammation, Uveitis and Scleritis Update Session
20:45 - 21:45	Livestream 1	Glaucoma and glaucoma surgery	Symposium	Hot Debates in Glaucoma Surgery
	Livestream 2	Ocular Imaging	Symposium	APOIS Symposium: New Ocular Imaging Models of Care in the Post COVID-19 Era for Screening, Diagnosis and Prediction
	Livestream 3	Orbital and Oculoplastic Surgery	Instruction Course	Using GPS to Reach the Destination: Navigation Guided Orbital Surgery

Day 5 - Sept 9, 2021 (Thur)

Time	Livestream	Subspecialty	Type	Theme
17:00 - 18:00	Livestream 1	Orbital and Oculoplastic Surgery	Symposium	'What Am I Doing Differently?'
	Livestream 2	Pediatric Ophthalmology and Strabismus	Symposium	IMI Symposium: International Myopia Institute 2021 White Papers – Where the New Evidence Takes Us in Managing Myopia
	Livestream 3	Miscellaneous	Free Paper	Rapid Fire Glaucoma and glaucoma surgery, Retina 1 (Medical - diabetes) & Retina 3 (Surgical) Update Session
18:15 - 19:15	Livestream 1	Pediatric Ophthalmology and Strabismus	Symposium	What Not to Miss in Paediatric Ophthalmology and Strabismus
	Livestream 2	Miscellaneous	Symposium	APOTS Symposium: COVID-19 and Ophthalmic Trauma: Lessons Learnt and the Way Forward
20:45 - 21:45	Livestream 1	Intraocular Inflammation, Uveitis and Scleritis	Symposium	Improving Diagnostic Acumen in Uveitis and Scleritis
	Livestream 2	Glaucoma and glaucoma surgery	Symposium	WGA Symposium: How to Choose the Glaucoma Surgery: From Filtering to MIGS
	Livestream 3	Miscellaneous	Free Paper	Rapid Fire Orbital and Oculoplastic Surgery & Ocular Oncology and Pathology Update Session

Day 6 - Sept 10, 2021 (Fri)

Time	Livestream	Subspecialty	Type	Theme
17:00 - 18:00	Livestream 1	Ocular Oncology and Pathology	Symposium	Ocular Oncology: Update for Clinical Care
	Livestream 2	Cornea, External Eye Diseases and Eye Banking	Symposium	ACS Symposium: Ocular Surface Diseases and Reconstruction
	Livestream 3	Miscellaneous	Free Paper	Rapid Fire New Approaches to Patient Management and Dealing With Unmet Need in the Era of COVID-19, Ophthalmic Epidemiology and Prevention of Blindness & Pediatric Ophthalmology and Strabismus Update Session
18:15 - 19:15	Livestream 1	Ophthalmic Epidemiology and Prevention of Blindness	Symposium	Beyond 2020: Challenges and Innovations in Delivering Eye Care
	Livestream 2	Evolving Academia, Research, Teaching and Education in Ophthalmology in the era of COVID-19	Symposium	AAPPO Symposium: How to Initiate a Research Project
	Livestream 3	Retina 3 (Surgical)	Instruction Course	Vitreo-Retinal Surgeon's Nightmares!
20:45 - 21:45	Livestream 1	Cornea, External Eye Diseases and Eye Banking	Symposium	Cornea and External Disease Update for the Comprehensive Ophthalmologist
	Livestream 2	Evolving Academia, Research, Teaching and Education in Ophthalmology in the era of COVID-19	Symposium	AOI Symposium: Improving Education and Care by Telemedicine
	Livestream 3	New approaches to patient management and dealing with unmet need in the era of COVID-19	Instruction Course	COVID-19 Associated Mucormycosis: A Battle Within the War!

Day 7 - Sept 11, 2021 (Sat)

Time	Livestream	Subspecialty	Type	Theme
12:45 - 14:15	Livestream 1	Miscellaneous	Symposium	APAO 2020 Named Awards Lectures
15:45 - 16:45	Livestream 1	Ophthalmic Epidemiology and Prevention of Blindness	Symposium	VISION 2020
	Livestream 2	Cataract and cataract surgery	Symposium	Managing Complex Cataract Cases and Complications

	Livestream 3	Miscellaneous	Workshop	APAO Leadership Development Program (LDP) 2020-21 Orientation Class 4: Fishbone Analysis
17:00 - 18:00	Livestream 1	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology in the era of COVID-19	Symposium	Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology in the Era of COVID-19
	Livestream 2	Retina 3 (Surgical)	Challenging Cases	Evolution of Retinal Detachment Management in the Asia Pacific
	Livestream 3	Miscellaneous	Workshop	APAO Leadership Development Program (LDP) 2019-20 Graduating Class 1: Graduation Project Presentations
18:15 - 19:15	Livestream 1	Miscellaneous	Symposium	PAAO Symposium: What is Hot in The Americas 2021
	Livestream 2	Refractive Surgery	Symposium	Refractive Surgery: Latest Trends
	Livestream 3	Miscellaneous	Workshop	APAO Leadership Development Program (LDP) 2019-20 Graduating Class 2: Graduation Project Presentations

CONGRESS INFORMATION

The 36th Asia-Pacific Academy of Ophthalmology Congress Information

Event Name:

APAO 2021 Virtual

Registration

Delegates can register online anytime during the event dates. For registration made and paid after 4 September 2021 will take 24 hours to be activated to attend the APAO 2021 Virtual.

Exhibition

Please visit <https://virtual.apaophth.org/> click “Exhibition” to visit the very first virtual exhibition. If you would like to interact with us instantly, you are recommended to visit the booth during the below opening hours:

DATES	TIME (GMT+8, Hong Kong Time)
5 September (Sunday)	11:00 – 21:30
6 – 10 September (Monday to Friday)	16:00 – 22:45
11 September (Saturday)	11:45 – 20:30

APAO Congress Smartphone App

The APAO 2021 Virtual mobile app provides easy-to-use interactive capabilities to enhance your Congress experience. The app features all the scientific sessions and instruction courses, posters, video abstracts, exhibition and general information.

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

Android	iOS
	
https://play.google.com/store/apps/details?id=com.questwork.apaocongress	https://apps.apple.com/app/apao-congress/id969482812

We recommended you to refresh the app regularly for latest updates. If you need help on downloading and navigating the app's function, please visit APAO's booth or email to secretariat@apaophth.org

Apple Inc. censorship appears to restrict the display of all COVID-19 related scientific programs from the iOS mobile version. You are highly recommended to attend these sessions via webpage portal. For further details, please refer to <https://virtual.apaophth.org/covid-19-sessions/>

Before Attending the APAO 2021 Virtual

Please make sure your registration is completed and you have received log in credential. Kindly install Zoom on your devices in advanced and test your network to ensure stable connection. If you would like to prevent Wi-Fi disconnection, please use LAN cable.

Ready to the Session

Step 1: Login to the event website

<https://virtual.apaophth.org.>

Step 2: Click the “**Scientific Session**” button

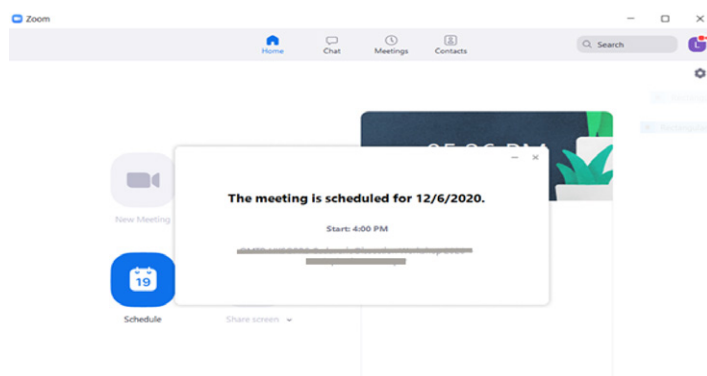


Step 3: Choose your assigned session

You are advised to join the session at least 5 minutes before the session starts. All sessionss will

start and end as scheduled, and it will be strictly enforced by the Session Chairs.

Step 4: You will be directed to the relevant zoom meeting



Posters and Video Platform

Please visit <https://virtual.apaophth.org/> and click “Poster and Video” to view all accepted posters and videos.

Certificate of Attendance

Certificate of Attendance can be downloaded from the APAO Congress system <https://congress.apaophth.org/> after the Congress. Please log in with the same email address you used to register for the Congress.

Inquiry

Should you have any questions regarding to the APAO 2021 virtual, please visit APAO’s booth during the above Exhibition Opening hours, or email to secretariat@apaophth.org

SOCIAL PROGRAM

Opening Ceremony

Date: Sept 5, 2021

Time: 12:00 – 12:30 (GMT+8)

Livestream 1

APAO 60th Video Show

Date: Sept 6, 2021

Time: 19:15 – 19:30 (GMT+8)

Livestream 1, 2 and 3

2020 Distinguished Service Awards

Date: Sept 6, 2021

Time: 20:30 – 21:45 (GMT+8)

Livestream 1, 2 and 3

APAO 60th Anniversary Travel Grant and Abstract Awards

Date: Sept 7, 2021

Time: 19:15 – 19:30 (GMT+8)

Livestream 1, 2 and 3

2021 Distinguished Service Awards

Date: Sept 7, 2021

Time: 20:30 – 21:45 (GMT+8)

Livestream 1, 2 and 3

APAO 60th Anniversary – Birthday Song

Date: Sept 8, 2021

Time: 19:15 – 19:30 (GMT+8)

Livestream 1, 2 and 3

2020 Outstanding Service in Prevention of Blindness Awards

Date: Sept 8, 2021

Time: 20:30 – 21:45 (GMT+8)

Livestream 1, 2 and 3

YO Eye Ball Yoga

Date: Sept 9, 2021

Time: 19:15 – 19:30 (GMT+8)

Livestream 1, 2 and 3

2021 Outstanding Service in Prevention of Blindness Awards

Date: Sept 9, 2021

Time: 20:30 – 21:45 (GMT+8)

Livestream 1, 2 and 3

Virtual Concert

Date: Sept 10, 2021

Time: 19:15 – 19:30 (GMT+8)

Livestream 1, 2 and 3

2021 Achievement Awards

Date: Sept 10, 2021

Time: 20:30 – 21:45 (GMT+8)

Livestream 1, 2 and 3

Closing Ceremony

Date: Sept 11, 2021

Time: 19:15 – 19:30 (GMT+8)

Livestream 1, 2 and 3

JOSE RIZAL INTERNATIONAL MEDAL

The Jose Rizal International Medal recognizes outstanding personalities from outside the Asia-Pacific whose contributions have been exceptionally valuable to ophthalmological developments in the region.



**Dr. Ronald R.
KRUEGER**

Dr. Ronald R. Krueger is the McGaw Professor and Chairman of the Department of Ophthalmology and Visual Science at the University of Nebraska Medical Centre, and the Director of the Stanley M. Truhlsen Eye Institute in Omaha, Nebraska. As the former Medical Director of Refractive Surgery at the Cleveland Clinic Cole Eye Institute in Ohio for 20 years, Dr. Krueger is a renowned ophthalmologic surgeon with more than 30 years of experience in the field of refractive surgery, specifically in excimer and femtosecond laser research, and wave front optics.

Dr. Krueger has performed over 25,000 refractive surgery procedures and has published more than 170 peer-reviewed manuscripts, as well as numerous abstracts, book chapters, and trade journal articles. He served as the President of the International Society of Refractive Surgery in partnership with the American Academy of Ophthalmology for 2014 and 2015. In addition, Dr. Krueger serves as the Associate Editor of the Journal of Refractive Surgery for the past 25 years, and has lectured on refractive surgery in more than 45 countries, many of which were in the Asia Pacific region.

Dr. Krueger has received numerous awards. In 2018, he received the Jose I. Barraquer Award and Lecture at the AAO meeting, which was the most prestigious honour in Refractive Surgery worldwide. In 2019, he received the ISRS Lifetime Achievement Award in Refractive Surgery during the AAO meeting.

From SMILE to LIKE

*Sept 11, 2021
12:45 – 14:15
Livestream 1*

Small Incision Lenticular Extraction (SMILE) is a form of laser vision correction that rivals LASIK, and differs by removing tissue through a small incision, rather than ablating it under a LASIK flap. The finely sculpted lenticule is usually discarded, but may be re-used or reshaped to benefit others.

Lenticular Implantation Keratoplasty (LIKE) is new tissue addition procedure by which this laser shaped corneal tissue is added rather than subtracted from the cornea. It is advantageous for moderate to high hyperopia, presbyopia and keratoconus, by placing tissue either in a corneal pocket or under a LASIK flap.

One of the challenges with LIKE is related to the safety of tissue addition. Assuring the tissue is infection-free and available when needed is traditionally the responsibility of an eye bank, and methods for preservation and storage are proposed to simplify this process. Furthermore, corneal tissue has cells with a genetic signature that could cause an immunogenic reaction. Decellularization techniques that preserve the normal collagen architecture are also proposed to maintain clarity and minimize inflammation.

Another challenge is with the efficacy of reshaping and predictability of correction. The use of excimer and femtosecond lasers provide superior tools for this purpose. Removability and further reshaping gives flexibility, and once implanted there is good refractive stability.

The final challenge involves the cost and feasibility of implementation. Partnerships with eye banks require cost, and for elective surgery, minimizing this cost will be important. With eye banking, regulatory hurdles should be overcome, thereby creating a new paradigm for vision correction that successfully adds rather than subtracts tissue.

This paradigm shift fulfills a 70 year old vision for refractive surgery with modern day methods. It takes us from SMILE to LIKE!

DE OCAMPO LECTURE

The De Ocampo Lecture is the highest award for excellent academic achievements in clinical and or basic eye research. Recipients are ophthalmologists from the Asia-Pacific region. The De Ocampo Lecture is named after Dr Geminiano De Ocampo, the founding President of the APAO.



**Prof. Lixin
XIE**

Professor Lixin Xie is the Honorary Director of Shandong Eye Institute, the Dean of Qingdao Eye Hospital, the Honorary Chairman of Asia Corneal Society and Chinese Ophthalmological Society, and the Honorary Editor-in-Chief of Chinese Journal of Ophthalmology.

Professor Xie mainly engages in the basic and clinical research of corneal diseases and cataract, serving as a leader of Chinese corneal research area and a pioneer of phacoemulsification for cataract. He was the first person to introduce the PHACO technology to China. He published the first paper on phacoemulsification and the first book on intraocular lens implantation, and pioneered a number of cataract surgeries.

Professor Xie organized a Chinese epidemiological survey covering over 200,000 people in more than 10 provinces and cities, and determined the demographic characteristics of corneal blindness in China. Professor Xie had held more than 30 training courses in ophthalmic microsurgery in China since 1991 and cultivated a large number of excellent talents, including around 120 master's and doctoral students. He won above 50 research grants and published 5 monographs, 30 compiled or translated books, and over 500 papers. He has won 3 second prizes of National Science and Technology Progress Award.

At present, Professor Xie is still struggling in clinical and basic research, including above 1,000 surgeries every year. His life-long contribution and excellent achievement has inspired the young ophthalmologists to embark on clinical and basic research activity.

My 50 Years' Work for Prevention and Treatment of Corneal Diseases

Sept 11, 2021

12:45 – 14:15

Livestream 1

I graduated from Shandong Medical School in 1965, and established Shandong Eye Institute at Qingdao in 1991. During my career in ophthalmology, I mainly engaged in the clinical and basic research of corneal diseases and cataract. I introduced the PHACO technology to China, published the first paper and book on phacoemulsification and intraocular lens implantation, and pioneered a number of cataract surgeries. In 1989, I set up the early diagnosis standard of corneal endothelial decompensation and won the first Second Prize of National Scientific and Technological Progress Award in ophthalmology. Since 2000, I focused on the early diagnosis and treatment of fungal keratitis. I organized an epidemiological survey and demonstrated the demographic characteristics of corneal blindness in China. I raised the innovative theory that fungal hyphae having different growth patterns in cornea, and promoted the transition of fungal keratitis surgery from penetrating keratoplasty to lamellar keratoplasty. In 2006, I developed the first intraocular implanted cyclosporine A-drug delivering system and obtained the clinical trial approval from National Medical Products Administration in China. From 2008, our group began to conduct the applicative research on tissue-engineering cornea. We reported the clinical manifestations after allogeneic cultured limbal stem cell transplantation. We also developed a novel porcine cornea decellularization method and achieved equivalent clinical effects to human donor cornea when applied to lamellar keratoplasty. From 2012, we carried research on diabetic keratopathy and proposed the major mechanisms of delayed corneal epithelial wound healing and neurodegeneration, which gained wide recognition. In the past 50 years, I have supervised 118 masters and PhD. Together we are promoting the development of ophthalmology.

SUSRUTA LECTURE

The Susruta Lecture recognizes extraordinary contributions to the cataract subspecialty. Priority is given to ophthalmologists who contribute substantially to the control and elimination of mass cataract blindness, which is a perennial problem in the Asia-Pacific region. The Susruta Lecture is named after Susruta, an ancient Indian physician.



**Prof. Soon-Phaik
CHEE**

Soon-Phaik Chee, MD, is the Professor at the National University of Singapore and Duke-National University of Singapore Graduate Medical School, Singapore. She is a Senior Consultant for both Cataract and Comprehensive Ophthalmology Service, and Ocular Inflammation and Immunology Service at the Singapore National Eye Centre (SNEC).

She has been the President of the Asia-Pacific Intraocular Inflammation Study Group (APIISG) since 2013. She is also a member of the International Uveitis Study Group, Clinical Consensus Group (Standardization of Uveitis Nomenclature), and an International Council member of the IOIS International Council.

She has authored over 200 peer reviewed scientific papers and book chapters. She is a member of several editorial boards including Ocular Inflammation and Immunology, Journal of Ophthalmic Inflammation and Infection, and Journal of Cataract and Refractive Surgery.

She was a much sought out speaker at numerous international, regional and national conferences and has made many presentations on uveitis and cataract, delivered several named lectures and won medals for her surgeries. She has performed numerous 'live surgeries' and conducted many instruction courses locally and internationally.

In 2018, she was elected as a member of the International Intra-Ocular Implant Club. In 2019, she was admitted as a council member of the Academy of Asia-Pacific Professors of Ophthalmology (AAPPO). Most recently, she was conferred as the distinguished professor to the SNEC Professorship in Clinical Education in Ophthalmology.

My Favourite Surgical Manoeuvres in Cataract Surgery

Sept 11, 2021

12:45 – 14:15

Livestream 1

Many of the cataracts that we encounter in the Asia-Pacific region are advanced cases. Because of the challenges faced in managing these cataracts, surgeons are fearful and often shun them, or resort to older techniques of cataract extraction. In this talk, I will share with you the surgical principles in handling the extreme cataract cases, and simplify the concepts used to restore the patient's vision. I will demonstrate my favorite surgical maneuvers and share pearls on managing complex cataracts and intraoperative cataract complications.

ARTHUR LIM AWARD

The Arthur Lim Award recognizes ophthalmologists who have demonstrated exemplary leadership in the field of ophthalmology and subsequently made substantial improvements in ophthalmic teaching and training in their countries and beyond. It is named after Prof Arthur Lim, former President and Secretary-General of the APAO.



**Prof. Dennis
LAM**

Professor Dennis Lam is the Immediate Past President of the Asia-Pacific Vitreo-Retina Society (APVRS) and the Asia-Pacific Academy of Ophthalmology (APAO), and Editor-in-Chief of the Asia-Pacific Journal of Ophthalmology (APJO). He serves the Academy of the Asia-Pacific Professors of Ophthalmology (AAPPO) and the Asia-Pacific Myopia Society (APMS) in the capacity of their Secretary-General.

Professor Lam is a visionary leader and an inspirational figure who is committed to grooming the next generation of ophthalmologists. He has been elected “Top 100 Most Influential Ophthalmologists in the World” for three consecutive terms.

During his time as Secretary General (2005-13) and President (2015-17) of APAO, Professor Lam has led and helped APAO transformed into an internationally reputable and important supranational organization; through organizing top quality and large-scale congresses such as the annual APAO congresses and the World Ophthalmology Congress (WOC2008), launching the APJO, and establishing the APAO online education platform. He was instrumental in the design and implementation of the Leadership Development Programs (LDPs) for APAO, APVRS and AAPPO. Over 110 mentees have graduated from the APAO LDP since 2009.

Professor Lam believes that “There is a limit to what one can do. Only through training and grooming young talents of the next generation can one magnify one’s strengths, creating a rippling effect that is much more powerful and durable.” Over the years, he has trained many students, residents, fellows and talented individuals through various platforms.

Grooming the Future Leaders in Ophthalmology in the Asia-Pacific Region

*Sept 11, 2021
12:45 – 14:15
Livestream 1*

Our future depends on how good our successors are! We need visionary leaders. Vision is the ability to see the invisible. The world of tomorrow belongs to those who have the vision today. However, vision is nothing without action. We need passion, vision and action. Some leaders are born, while some are trained. Leadership can be classified into transactional and transitional. As leadership is a quality that can be cultivated, what we need to do is to identify the “potential” leaders and provide them with suitable trainings. Throughout the years, the Asia-Pacific Academy of Ophthalmology (APAO) and various regional and national ophthalmological societies endeavor to identify, groom and nurture up-and-coming ophthalmologists by implementing Leadership Development Programs (LDPs). This presentation shares the experience of APAO, AAPPO and APVRS in designing and organizing their Leadership Development Programs. I will also take this opportunity to share some on my thoughts on eight important components of leadership summed up by an acronym, “VIPS” (Vision, Value, Insight, Innovation, Partnership, Priority, SWOT analysis, Stress prevention and management).

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.



**Prof. Rajvardhan
AZAD**

Professor Rajvardhan Azad is a rare breed of Vitreoretinal surgeon who possesses multiple qualities of clinician, academician, educator in the field of vitreoretinal disease with over 40 years of expertise and experience.

He is currently the Professor Emeritus, Regional Institute of Ophthalmology, Indira Gandhi Institute of Medical Sciences, and Chairman of University Service Commission. He is also the Honorary Chairman and Director of Raj Retina and Eye Care Centre for vitreoretinal diseases in Patna.

Professor Azad is a Fellow of Royal College of Surgeons Edinburgh, Academy of Medical Sciences, International College of Surgeons, All India collegiums of Ophthalmology and Fellow of Association of Asia Pacific Professors in Ophthalmology. He serves as Chief and Professor of Ophthalmology at India's apex eye Centre at All India Institute of Medical Sciences.

Professor Azad's contributions, especially in ROP, has been recognized internationally and he has been mentor to numerous new ROP experts and clinicians. As the Chair of ROP Task Force of Ministry of health, Government of India, he established India ROP Society in 2016 to bring all ROP experts to one platform and start training young ophthalmologists to reduce the manpower growth in the management of ROP.

In view of these accomplishments he is called "Father of ROP movement of India".

Challenges And Opportunities In Scaling Retinopathy Of Prematurity (Rop) Services In Asia Pacific Region

Sept 5, 2021

12:45 – 14:15

Livestream 1

Asia Accounts for 50% of World's preterm birth. And South Asia Accounts for 11.7million (32.5%) of total blind people (Global-36million). A blind School data on childhood blindness shows that Thailand, Philippines and Malaysia (16.9%, 8.4%, 6.0% respectively) out number other Countries in Asia. In 2010 it was estimated that 323,000 preterm infants worldwide became blind or visually impaired from ROP with highest number in East, South East and Pacific region.

Rates of ROP is considered as an overall quality of Neonatal care since Hyperoxia and fluctuating Hypo/Hyperoxia is an important risk factor. Asia ROP study conducted by APAO and Orbis international has shown great shortage of human resources especially in most of the Asian Countries including China, India, Philippines etc. There are very few ROP service Centre in entire Asian region with dearth of equipments to diagnose and treat. Besides these, affordability and accessibility are major obstacle and challenge to tackle this menace.

Awareness among Pediatrician, Nurses and Residents is a novel way to tackle the challenge of manpower shortage besides increasing training opportunities for young ophthalmologist. Recent introduction of Tele medicine could reduce the load of manpower and increase the approach to remote areas. Artificial Intelligence - AI Could be a better and faster tool for detection of ROP over the conventional screening methods and Guidelines. Concept of ROP Society or Specialty technical groups in each country help promote the advocacy to champion the cause of prioritizing ROP in national health care as has been done by many countries, is an important step in alleviating ROP blindness.

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.



**Prof. Wenbin
WEI**

Professor Wenbin WEI is currently the Deputy Director of Beijing Tongren Hospital, the Chief in the Department of Ophthalmology, the Director of Ophthalmology in the Chinese Medical Education Association, the Deputy Director of Ophthalmology in Chinese Continuing Medical Education Association, the Deputy Director of Fundus Disease Academy of Ophthalmology Branch in Chinese Medical Doctor Association (CMDA), and the President of Beijing Ophthalmology Society (BOS).

For the past 30 years, Professor Wei has devoted himself entirely to clinical work, education, training, academic research, blindness prevention, and hospital management. Every year, he leads plenty of medical teams to provide humanitarian services and volunteering work, such as free clinics and surgical treatments, to the poor. He also strives to bring medical equipment and spread latest knowledge to train doctors in rural areas. As a member of National Health Science Expert, he places great importance on national myopia control.

Professor Wei's great success in education was also associated with his academic achievement. He has published more than 350 academic papers, including 130 SCI papers. He has been supported by a series of grants from the National Natural Science Foundation, Beijing Natural Science Foundation, etc. He serves as the editor of more than 10 medical journals, including Chinese Medical Journal, and Chinese Journal of Experimental Ophthalmology.

A number of prestigious awards have been bestowed to him over the years. He won the Golden Key Award of Chinese American Ophthalmological Association (2020), "the Most Beautiful Doctor" title (2020) and more.

Treatment Of Intra-Ocular Tumor With Local Resection Combined With Vitreo-Retinal Surgery

Sept 5, 2021

12:45 – 14:15

Livestream 1

Local resection combined with vitreo-retinal surgery is an effective treatment for intra-ocular tumor. Different surgical methods are chosen for tumors of different nature at different locations. Trans-scleral local resection combined with vitrectomy may be used to treat ciliary body tumors. We have performed trans-scleral local tumor resection combined with vitrectomy in near a hundred cases and achieved pathologic diagnosis. The anatomical prognosis is good. The globe has been conserved in more than 95% of patients with minimum recurrence. For choroidal and retinal tumors, endoresection with vitrectomy maybe chosen. Endoresection is suitable for localized intra-ocular tumor which is at the peripheral. Endoresection may be performed for localized choroidal melanoma, RPE adenoma, neurofibroma, neurilemmoma, and some difficult cases that need pathology for diagnosis. Local resection of intra-ocular tumor not only gives us the chance to achieve tissue for pathologic diagnosis, but also gives the patients a chance of globe reconstruction, which may conserve the globe and preserve asome vision.

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.



**Prof. Xiaoxin
LI**

Professor Xiaoxin LI is the Professor of Ophthalmology at Peking University since 1992 and the General President of Xiamen Eye Centre at Xiamen University since 2016.

She organized 6 NICU centres in Beijing, made a cooperation network for prevention in ROP, the prevalence of ROP had decreased from 20.3% in 1994 to 10.8% in 2005. She drafted the first and the second edition of guidelines for ROP screening in China. In 2002 she organized an epidemiologic study for incidence and epidemiological characteristics of rhegmatogenous retinal detachment (RRD) in Beijing including urban and suburban areas, covered 6,589,000 population and reported the annual incident to be 7.98/100000 people. The study published in Ophthalmology.

In 2011-2015, she organized 16 hospitals in China for Epidemiology Study in AMD to conform the susceptible genes and environment factors and found a new Gene: UBE 3D in East Asia population as well as its function. The study published in Nature Communication.

She drafted out the Chinese guidelines for DR, AMD, ROP, Intraocular Injections and DR-screening. She also published books, such as Vitreous and Retina Surgeries, Vascular Diseases of Ocular fundus, 137 papers in the international and 117 papers of Chinese peer-reviewed journals.

She received Lifetime Achievement Award from Chinese Ophthalmologic Society, Golden Apple Award from ICO. Golden Key Award from Chinese Ophthalmologic Society.

Prospective on ROP in China

*Sept 5, 2021
12:45 – 14:15
Livestream 1*

ROP is a leading cause of childhood blindness in China. With the development of NICU, the survival rate of premature baby increased. So is the incidence of ROP. Before 2004, the lack of awareness of ROP in China was very common pediatricians and ophthalmologists. A lot of ROP patients came to hospital delayed and lawsuits on ROP increased. At the same time, the severe ROP patients in China had higher birth weight and bigger gestational age than those in developed country. In 2004 the guidelines of prevention and treatment of ROP was issued by the Ministry of Health in China. The screen and treatment of ROP were promoted after then. With the ROP guideline, the oxygen concentration decreased in NICU. The incidence of ROP decreased in big cities of China. The birth weight of severe ROP patients decreased, but still higher than undeveloped areas and County hospitals. With the development of NICU and ophthalmology, the screen and treatment of ROP need further promotion in China. And new survey of prematurity may be needed to identify the risk factors and to revise the guideline of Oxygen Use in prematurity and new updated guidelines of ROP in China.

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.



A/ Prof. Daniel
TING

Associate Professor Daniel Ting is the Director of Singapore Health Service (SingHealth) AI Program, Head of AI and Digital Innovation in Singapore Eye Research Institute (SERI), Associate Professor in Ophthalmology with Duke-NUS Medical School Singapore. At the global setting, Dr Ting serves in several AI executive committee (American Academy of Ophthalmology, USA and STARD, UK), AI editorial boards (Associate Editors for Nature Digital Medicine, Frontiers in Medicine and Frontiers in Digital Health; Section Editor for British Journal of Ophthalmology; Editors for Ophthalmology, Ophthalmology Retina, British Journal of Ophthalmology and Asia-Pacific Journal of Ophthalmology) and the Chair of AI and Digital Innovation Standing Committee, Asia-Pacific Academy of Ophthalmology.

He is the regular invited chair, moderator and invited speaker in scientific conferences and prestigious universities, such as Trinity College at Cambridge, Oxford University and Johns Hopkins University. He has published over 180 peer-reviewed papers in highly reputable journals such as JAMA, NEJM, Lancet, Nature Medicine, Nature Biomedical Engineering and Lancet Digital Health.

Dr. Ting was recognized by many top-tiered international AI and ophthalmology societies in winning many distinguished scientific awards, including the MICCAI OMIA Prestigious Achievement Award (2020), ARVO Bert Glaser Award for Innovative Research in Retina (2020) and more.

With the advancement of AI technology, he hopes to harness the power of digital technology, including big data, deep learning and blockchain, to improve patients' outcome, experience and reduce health economic burden.

AI and Digital Innovation in Ophthalmology During COVID-19 Pandemic Crisis

Sept 5, 2021
12:45 - 14:15
Livestream 1

The advent of artificial intelligence (AI), big data and next generation tele-communication network (5G) has generated enormous interest in digital health. Digital health comprises overlapping areas ranging from AI, the internet of things (IoT), electronic health and telehealth to the analysis and use of big data. With substantial innovation opportunities in digital health, the World Health Organization (WHO) has published a set of guidelines earlier this year, advising potential researchers and innovators on how to harness this technology to create evidence-based interventions within real-world settings to improve patients' outcome. This talk aims to highlight some of the new developments in ophthalmology and the methods of reporting of an AI study and some of the examples and barriers/challenges in AI implementation in the real world settings.

DISTINGUISHED SERVICE AWARDS 2020

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.



Paul Healey
Australia



Yutthaphong IMSUWAN
Thailand



Jayant IYER
Singapore



Sagun Narayan JOSHI
Nepal



Ko LAY
Myanmar



Jong Soo LEE
Republic of Korea



Don Saliya PATHIRANA
Sri Lanka



Burenjargal PELJEE
Mongolia



Md. Abdul QUADER
Bangladesh



Bambang SETIOHADJI
Indonesia



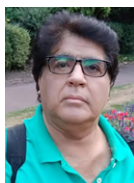
Roseny Mae SINGSON
Philippines



Rajesh SINHA
India



Ching-Yao TSAI
Chinese Taipei



Shahid WAHAB
Pakistan



Wan Hazabbah WAN HITAM
Malaysia



Peizeng YANG
China



Pui Pui YIP
Hong Kong, China



Nagahisa YOSHIMURA
Japan



Piseth YOU
Cambodia

DISTINGUISHED SERVICE AWARDS 2021

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.



Marcelino BANZON
Philippines



Stephen BEST
New Zealand



Purabi DEBNATH
Bangladesh



Ari DJATIKUSUMO
Indonesia



Eijaz Badee HOSHAM
Afghanistan



Battuya JAMSRANDORJ
Mongolia



Weerawat KIDDEE
Thailand



Lom Orng KIRY
Cambodia



Kamala LINGAM
Malaysia



Chandrasekara MAKULOLUWA
Sri Lanka



Soe NYUNT
Myanmar



Muhammad QURAI SHY
Pakistan



Sanduk RUIT
Nepal



Justine SMITH
Australia



Kyung Rim SUNG
Republic of Korea



Hiroko TERASAKI
Japan



Jeewan TITIYAL
India



Chieh-Chih TSAI
Chinese Taipei



Emily YEUNG
Hong Kong, China



Chee Chew YIP
Singapore



Xiulan ZHANG
China

OUTSTANDING SERVICE IN PREVENTION OF BLINDNESS AWARDS 2020

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.



Shuaibah ABDUL GHANI
Malaysia



Rachelle ANZURES
Philippines



Tariq ALI
Bangladesh



Yanuar ALI
Indonesia



Binara AMARASINGHA
Sri Lanka



Shih-Jen CHEN
Chinese Taipei



Chimgee CHULUUNKHUU
Mongolia



Nellie FONG
Hong Kong, China



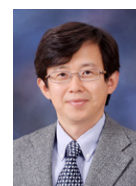
Rohit KHANNA
India



Chit Ko KO
Myanmar



Chija Kumar MASKEY
Nepal



Kyu Hyung PARK
Republic of Korea



Vithoon RUANGSUKSRIWONG
Thailand



Muhammad SHAD
Pakistan



Yoshikazu SHIMOMURA
Japan



Louis TONG
Singapore



Barang TOUK
Cambodia



Xiaohui YANG
China

OUTSTANDING SERVICE IN PREVENTION OF BLINDNESS AWARDS 2021

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.



**B P Koirala Lions Center
for Ophthalmic Studies
BPKLCOS**

Nepal



Haslina Mohd ALI

Malaysia



Geoffrey COHN

Australia



Byambasuren GOMBO

Mongolia



Retno HAPSARI

Indonesia



Seong-joon KIM

Republic of Korea



Muhammad KHAN

Pakistan



Piseth KONG

Cambodia



Kam Wah LEUNG

Hong Kong, China



Pei-Yu LIN

Chinese Taipei



Dariz MUSLEM

Afghanistan



Varsha RATHI

India



Maria Victoria RONDARIS

Philippines



Leopold SCHMETTERER

Singapore



Shahidur TARAFDER

Bangladesh



Ko Ko TIN

Myanmar



Dushyantha WARIYAPOLA

Sri Lanka



Nawat WATANACHAI

Thailand



Tetsuya YAMAMOTO

Japan



Shaochong ZHANG

China

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 Award



Ramamurthy DANDAPANI
India



Chi-Chun LAI
Chinese Taipei



Christopher LEUNG
Hong Kong, China



Natarajan SUNDARAM
India



Donald TAN
Singapore



Jason YAM
Hong Kong, China

Achievement Award



Liza Sharmini AHMAD TAJUDIN
Malaysia



Neni ANGGRAINI
Indonesia



Tanuj DADA
India



Adrian FUNG
Australia



Quan HOANG
United States



Manpreet KAUR
India



Aditya KELKAR
India



Jai KELKAR
India



Pooja KHAMAR
India



Eung-suk KIM
Republic of Korea



Dongmei LI
China



Yizhi LIU
China

APAO AWARDS



Rajendra MAURYA
India



Vilavun PUANGSRICHARERN
Thailand



Raksha RAO
India



Rohit SAIJU
Nepal



Bhupesh SINGH
India



Ronel SOIBAM
India



Xinghuai SUN
China



Anna TAN
Singapore



Sherman VALERO
Philippines



Ling-ling WU
China

APAO 2020 Prof. Yasuo Tano & 60th Anniversary Travel Grants

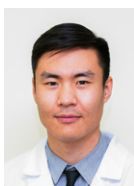
The APAO Yasuo Tano Travel Grants were established in 2010 in memory of the late APAO President Professor Yasuo Tano to offer financial support for young ophthalmologists to attend the APAO Annual Congress.

In APAO 2021 Virtual Congress, additional Prof. Yasuo Tano Travel Grants were offered to celebrate the 60th anniversary.

2020 Yasuo Tano Travel Grant



Nguyen Thi Ngoc ANH
Vietnam



Dovchinjamts DAGAVADORJ
Mongolia



Soner GUVEN
Turkey



Pham Thi Minh KHANH
Vietnam



Rokhsanda REHNUMA
Bangladesh



Kasem SERESIRIKACHORN
Thailand



Evelyn TAI
Malaysia



Pek Hwi TAN
Malaysia



Jing Zhong
China

60th Anniversary Travel Grant



Ahmed Mofreh ALKALIBY
Egypt



Amar PUJARI
India



Kelvin WAN
Hong Kong, China

BEST SCIENTIFIC PAPER AWARDS

The Best Scientific Paper Awards are presented to outstanding free paper, E-poster and Video in the submitted program.

Best Free Paper



Andrew CHANG
Australia



Yi-Ting HSIEH
Chinese Taipei



Pooja KHAMAR
India



Xiaodong SUN
China

Best E-Poster



Xi CHEN
China



Gaurav GARG
India



Ruyue SHEN
Hong Kong, China

Best Video



Sali GARGE
India



Shruti KOCHAR MARU
India



Remya PAULOSE
India

SCIENTIFIC PROGRAM SCHEDULE

PLENARY SESSIONS

Sept 5, 2021
Sunday

Plenary Session 1

APAO 2021 Named Awards Lectures

This plenary session is the highlight of the APAO 2021 Virtual Congress, presenting to you the highest honors from APAO: the APAO Named Award Lectures. Awardees were nominated by APAO Council Members and Member Societies, and then selected by the APAO Awards Selection Panel, in recognition of their vast contributions towards ophthalmic advances in our region. This session includes the most prestigious Jose Rizal Medal Award Lecture by Prof Rajvardhan Azad (India) on 'Challenges and Opportunities in Scaling ROP Services in the Asia-Pacific Region'; Holmes Lecture by Prof Xiaoxin Li (China) on 'Prospective on ROP in China'; the ICO Mark Tso Golden Apple Award Lecture by Prof Wenbin Wei (China) on 'Treatment of Intra-Ocular Tumor with Local Resection Combined with Vitreo-Retinal Surgery'; and the Nakajima Award Lecture by A/Prof Daniel Ting (Singapore) on 'AI and Digital Innovation in Ophthalmology During COVID-19 Pandemic Crisis'.

(GMT+8) 12:45 - 14:15

Livestream 1

Chair(s):

Rajvardhan AZAD, Ava HOSSAIN, Clement THAM

12:45 Jose Rizal Medal Lecture: Challenges and Opportunities in Scaling ROP Services in Asia Pacific Region
Rajvardhan AZAD

13:05 Holmes Lecture: Prospective on ROP Care in China
Xiaoxin LI

13:25 ICO Mark Tso Golden Apple Award Lecture: Treatment of Intra-Ocular Tumor with Local Resection Combined with Vitreo-Retinal Surgery
Wenbin WEI

13:45 Nakajima Award Lecture: AI and Digital Innovation in Ophthalmology During COVID-19 Pandemic Crisis
Daniel TING

14:05 Q&A (Live)

**Sept 11, 2021
Saturday**

Plenary Session 2

APAO 2020 Named Awards Lectures

This plenary session is a major highlight of the APAO 2021 Virtual Congress. It brings together in one session the main APAO named lectures for global contributions to ophthalmology from some of the world's leading experts. Topics cover the broad panoply of contemporary refractive surgery, corneal diseases, pearls of cataract surgery and developing leadership in ophthalmology in the Asia-Pacific. Outstanding speakers and topics include: Prof Ronald Kruger (United States) presenting the Jose Rizal International Medal Lecture on refractive surgery 'From SMILE to LIKE'; Prof Dennis Lam (Hong Kong, China) presenting the Arthur Lim Award Lecture on the topic of 'Grooming Future Leaders in Ophthalmology in the Asia-Pacific Region'; Professor Lixin Xie (China) presenting the De Ocampo Lecture: 'My 50 Years' Work for Prevention and Treatment of Corneal Diseases'; and Prof Soon Phaik Chee (Singapore) presenting the Susruta Award Lecture on 'My Favorite Maneuvers in Cataract Surgery'. After these four 20-minute presentations a brief, live Q&A session will be held by Profs Charles McGhee, Dennis Lam and Gerard Sutton.

(GMT+8) 12:45 - 14:15

Livestream 1

Chair(s):

Dennis LAM, Charles MCGHEE, Gerard SUTTON

12:45 Jose Rizal International Medal Lecture:
From SMILE to LIKE
Ronald KRUEGER

13:05 Arthur Lim Award Lecture: Grooming
Future Leaders in Ophthalmology in the
Asia-Pacific Region
Dennis LAM

13:25 De Ocampo Lecture: My 50 Years' Work
for Prevention and Treatment of Corneal
Diseases
Lixin XIE

13:45 Susruta Award Lecture: My Favourite
Manoeuvres in Cataract Surgery
Soon Phaik CHEE

14:05 Q&A (Live)

SCIENTIFIC PROGRAM SCHEDULE

INVITED PROGRAM

Day 1
Sept 5, 2021
Sunday

Plenary Session 1

APAO 2021 Named Awards Lectures

This plenary session is the highlight of the APAO 2021 Virtual Congress, presenting to you the highest honors from APAO: the APAO Named Award Lectures. Awardees were nominated by APAO Council Members and Member Societies, and then selected by the APAO Awards Selection Panel, in recognition of their vast contributions towards ophthalmic advances in our region. This session includes the most prestigious Jose Rizal Medal Award Lecture by Prof Rajvardhan Azad (India) on 'Challenges and Opportunities in Scaling ROP Services in the Asia-Pacific Region'; Holmes Lecture by Prof Xiaoxin Li (China) on 'Prospective on ROP in China'; the ICO Mark Tso Golden Apple Award Lecture by Prof Wenbin Wei (China) on 'Treatment of Intra-Ocular Tumor with Local Resection Combined with Vitreo-Retinal Surgery'; and the Nakajima Award Lecture by A/Prof Daniel Ting (Singapore) on 'AI and Digital Innovation in Ophthalmology During COVID-19 Pandemic Crisis'.

(GMT+8) 12:45 - 14:15

Livestream 1

Chair(s):

Rajvardhan AZAD, Ava HOSSAIN, Clement THAM

12:45 Jose Rizal Medal Lecture: Challenges and Opportunities in Scaling ROP Services in Asia Pacific Region
Rajvardhan AZAD

13:05 Holmes Lecture: Prospective on ROP Care in China
Xiaoxin LI

13:25 ICO Mark Tso Golden Apple Award Lecture: Treatment of Intra-Ocular Tumor with Local Resection Combined with Vitreo-Retinal Surgery
Wenbin WEI

13:45 Nakajima Award Lecture: AI and Digital Innovation in Ophthalmology During COVID-19 Pandemic Crisis
Daniel TING

14:05 Q&A (Live)

Cataract And Cataract Surgery

Innovative Cataract Technologies and Techniques

This session, delivered by giants in ophthalmology, will update the attendee on the latest cataract and intraocular lens related techniques and technology, enabling him/her to keep abreast with this rapidly evolving field. This new knowledge will enable the ophthalmologist to incorporate new techniques in one's practice and provide new options for one's patients.

(GMT+8) 15:45 - 16:45

Livestream 2

Chair(s):

Robert ANG, Soon Phaik CHEE

15:45 Capsulotomy – Where Are We Now?
Burkhard DICK

15:53 Monofocal/Monotoric IOLs – What's New?
Robert ANG

16:01 EDOF and Multifocal IOLs – What's New?
Gerd AUFFARTH

16:09	Light Adjustable IOL – The Preferred Option David CHANG
16:17	Pinhole Pupilloplasty – Technology Without Cost Amar AGARWAL
16:25	IOL Fixation Techniques Using the Double Flange Sergio CANABRAVA
16:33	Q&A/Panel Discussion (Live)

Glaucoma And Glaucoma Surgery

New Insights in the Diagnosis and Management of Primary Angle Closure Disease

Primary angle closure disease (PACD) is prevalent in Asia and causes a significant burden of blindness to the society. Appropriate management can avoid visual disability resulting from the disease. This session covers fundamental aspects of PACD research including epidemiology, genetics; discusses the methods of angle assessment, laser iridotomy and lens surgery; and introduces novel techniques like MIGS in PACD. Participants will have an updated understanding of diagnosis and management of PACD.

(GMT+8) 17:00 - 18:00

Livestream 2

Chair(s):

Tin AUNG, Tetsuya YAMAMOTO, Xiulan ZHANG

17:00	Management Algorithms for PAC & PACG Lingam VIJAYA
17:07	Benefit of Performing LPI in PACS Benjamin XU

17:14	Diagnosis of Angle Closure: What We Have Learned from Imaging Studies Ying HAN
17:21	Is ACG Prevalence Decreasing in East Asia: The Impact of Myopia and Cataract Surgery Mingguang HE
17:28	Clinical Insights into PACG Genetics Monisha NONGPIUR
17:35	Phaco+GSL Combined with Ab Interno Goniotomy in PACG Xiulan ZHANG
17:42	Q&A (Live)

Miscellaneous

Then and Now

This “Then and Now” symposium is organized on the special occasion of the 60th anniversary of Asia-Pacific Academy of Ophthalmology. We look back at the important ocular diseases and procedures in Asia: glaucoma, polypoidal choroidal vasculopathy, ocular oncology, neuro-ophthalmology, macular hole surgery, and oculoplastic and reconstructive surgery. We explore how the management of these diseases and these surgical procedures evolve. Let’s celebrate our achievements and learn from our past.

(GMT+8) 15:45 - 16:45

Livestream 1

Chair(s):

Dennis LAM, Paisan RUAMVIBOONSUK

15:45	“Then and Now” - Glaucoma Prin ROJANAPONGPUN
15:55	“Then and Now” - Ophthalmic Plastic and Reconstructive Surgery Raoul Paolo HENSON
16:05	“Then and Now” - Ocular Oncology Santosh HONAVAR

16:15	"Then and Now" - Polypoidal Choroidal Vasculopathy Won Ki LEE
16:25	"Then and Now" - Neuro-Ophthalmology Satoshi KASHII
16:35	"Then and Now" - Macular Hole Surgery Chi-chun LAI

APAO Leadership Development Program (LDP) 2020-21 Orientation Class 1: Introduction to the LDP

- Open to APAO LDP Class Participants Only -
(GMT+8) 15:45 - 16:45

Livestream 3

Chair(s):

Shaheeda MOHAMED, Muhammad MOIN

15:45	Welcome to the APAO Leadership Development Program: Opening Remarks Chi-chun LAI Muhammad MOIN
15:50	Welcome by APAO 2021 Virtual Congress President Ava HOSSAIN
16:00	About the APAO LDP: Introduction of APAO Leadership Development Program (Faculty, Structure, Learning Objectives, and Requirements) Muhammad MOIN
16:15	Participants Introduction & Group Activity (Live)
16:40	Kahoot Quiz (Live) Muhammad MOIN

APAO Leadership Development Program (LDP) 2020-21 Orientation Class 2: LDP: You, Your Project and Your Society

- Open to APAO LDP Class Participants Only -
(GMT+8) 17:00 - 18:00

Livestream 3

Chair(s):

Muhammad MOIN, Sherman VALERO

17:00	Your LDP Project Shaheeda MOHAMED
17:15	Perspectives from a Recent LDP Graduate Vivek DAVE
17:20	Project Planning Muhammad MOIN
17:30	What Makes a Great LDP Project? Madhuwanthi DISSANAYAKE
17:40	SWOT Analysis in Project Planning Sherman VALERO
17:50	Kahoot Quiz (Live) Muhammad MOIN

APAO Leadership Development Program (LDP) 2020-21 Orientation Class 3: Advocacy & Campaign Cycle

- Open to APAO LDP Class Participants Only -
(GMT+8) 18:15 - 19:15

Livestream 3

Chair(s):

Muhammad MOIN, Madhuwanthi DISSANAYAKE

18:15	Advocacy Campaign Cycle Michael BRENNAN
18:30	Advocacy Scenario Muhammad MOIN, Madhuwanthi DISSANAYAKE, Shaheeda MOHAMED, Sherman VALERO
18:35	Small Group Discussion on Advocacy Plan (Live) Vivek DAVE
18:50	Presentations by Group Leaders on Advocacy Plan (Live) Madhuwanthi DISSANAYAKE, Muhammad MOIN

New approaches to patient management and dealing with unmet need in the era of COVID-19

New Approaches to Patient Management in the Era of COVID-19

Our world has changed tremendously since the emergence of COVID-19. Social distancing measures and high personal hygiene requirements have become an integral part of our lives. While avoidance of close contact is inevitable to contain COVID-19 outbreak, it has led to unprecedented challenges for patients with health conditions such as ophthalmological diseases, where close monitoring and timely management are of vital importance. New infection control measures may also be required to reduce infection risks during the close physical contacts in ophthalmological examinations and operations. Therefore, it is paramount to explore new approaches for ophthalmology patient management in this new era.

(GMT+8) 17:00 - 18:00 Livestream 1

Chair(s):

Robert RITCH, Raymond WONG, Tien-yin WONG

17:00	Digital Innovations and Teleophthalmology in COVID-19 Dawn SIM
17:06	Internet Eye Hospitals in COVID-19 Haotian LIN
17:12	How To Optimally Manage AMD in COVID-19 Raymond WONG
17:18	Home Monitoring in COVID-19 Kelvin Yi Chong TEO
17:24	Glaucoma Management in COVID-19 David FRIEDMAN

17:30	Global Ophthalmology Practice Patterns in COVID-19: What Has Changed in 2021? Tien-en TAN
17:36	Q&A (Live)

Retina 1 (Medical - diabetes)

Diabetic Retinopathy and Macular Edema

Diabetic retinopathy and macular edema are the main causes of visual impairment in diabetic patients. Clinical management for these complications has greatly advanced thanks to new diagnostic tools (like OCT angiography), telemedicine, and anti-VEGF therapies. Data shown by a series of studies by DRCR.net have been widely used to optimize treatment strategies. In this symposium, world experts on diabetic complications will present the most up-to-date findings. Through this session, the attendees will gain a wide knowledge on the current and future perspectives of the vision-threatening diabetic complications.

(GMT+8) 18:15 - 19:15 Livestream 2

Chair(s):

Kyoko OHNO-MATSUI, Srinivas SADDA

18:15	Real-World Experience from Diabetic Retinopathy Telescreening Paisan RUAMVIBOONSUK
18:23	Anti-VEGF Therapy and Retinal Non-Perfusion: The RECOVERY Study Srinivas SADDA
18:31	Blue Widefield Images of Scanning Laser Ophthalmoscope Can Detect Retinal Ischemic Areas in Eyes with Diabetic Retinopathy Shintaro HORIE
18:39	Widefield OCTA for Diabetic Retinopathy Gavin TAN

18:47 Update From the DRCR Retina Network Update
Michael IP

18:55 Future Therapeutics for Diabetic Retinopathy and Macular Edema
Peter KAISER

19:03 Q&A (Live)

18:55 Mutation in the Intracellular Chloride Channel CLCC1 Cause Autosomal Recessive Retinitis Pigmentosa
James HEJTMANCIK

Translational and Visual Sciences Research

Gene Therapy and Risk Factors

In recent years, new technologies such as pluripotent stem cells (iPSCs), gene editing, and artificial intelligence (AI) have drastically speeded up research to identify disease risks and to develop novel therapeutics. In this session, we focus on risks of eye diseases and gene therapy as a maturing therapeutic approach to cure. Six speakers well known in this field will introduce their latest research on glaucoma, keratoconus, age-related macular degeneration, and retinitis pigmentosa.

(GMT+8) 18:15 - 19:15 Livestream 1

Chair(s):

Takeshi IWATA, Calvin PANG

18:15 Glaucoma Genetics and Opportunities for Gene Therapy
Janey WIGGS

18:23 TBC-Gene Therapy and Risk Factors Symposium
Chris HAMMOND

18:31 Genetic Risk and Implications for Therapy
Paul BAIRD

18:39 Transcription Regulatory Element Variations in Complex Eye Diseases
Tsz Kin NG

18:47 Significance of Serine Protease HTRA1 as Major Risk Factor for AMD
Takeshi IWATA

Day 2
Sept 6, 2021
Monday

Neuro-Ophthalmology

NANOS Symposium: Neuro-Ophthalmic Emergencies You Cannot Afford to Miss!

This symposium, co-organized with the North American Neuro-ophthalmology Society, will cover important neuro-ophthalmic presentations which can be red flags for sight or life-threatening conditions, including sudden visual loss, diplopia, dizziness, ptosis and eye pain. For each presentation, the differential diagnoses and management strategies will be discussed.

(GMT+8) 18:15 - 19:15 Livestream 2

Chair(s):

Carmen CHAN, Clare FRASER

18:15	Dire Diplopia Clare FRASER
18:25	Dramatic and Sudden Vision Loss Dan MILEA
18:35	Dangerous Dizziness Owen WHITE
18:45	Drooping Eyelid? Carmen CHAN
18:55	Dry and Painful- Really? Prem SUBRAMANIAN
19:05	Q&A/Panel Discussion (Live)

Clinical Challenges and Controversies in Neuro-Ophthalmology

The comprehensive ophthalmologist often is faced with a dilemma regarding how to investigate and treat patients presenting with vision loss from optic neuropathy and/or a swollen optic disc. Who needs imaging? How urgent is it to start medical treatment? Could my surgery have caused this problem? This session tackles diagnostic

and management issues for common neuro-ophthalmologic disorders including optic neuritis, NAION, idiopathic intracranial hypertension, with world experts providing advice and clinical pearls.

(GMT+8) 20:45 - 21:45 Livestream 1

Chair(s):

Helen DANESH-MEYER, Satoshi KASHII, Prem SUBRAMANIAN

20:45	NAION and Cataract Surgery - Is There an Association? Neil MILLER
20:55	Controversies in the Management of Idiopathic Intracranial Hypertension M.Tariq BHATTI
21:05	Isolated Optic Neuritis with Poor Response to Steroid- What to do Next? Gordon PLANT
21:15	'Typical' Optic Neuritis- The Unresolved Issues Heather MOSS
21:25	Shall We Start Patients with MOG Optic Neuritis on Immunosuppressants? Ambika SELVAKUMAR
21:35	Q&A/Panel Discussion (Live)

Refractive Surgery

APMS Symposium: Highlights of the 2nd APMS Congress

(GMT+8) 20:45 - 21:45 Livestream 2

Chair(s):

Dennis LAM, Jason YAM, Xingtao ZHOU

20:45	New Data on Myopia Prevalence Ian MORGAN
20:51	Evidence-Based Public Health Intervention for Myopia Pei-chang WU

20:57	Repeated Low-Level Red-Light Treatment as A New Myopia Control Strategy Mingguang HE
21:03	What Is New in the Hong Kong Children Eye Study? Jason YAM
21:09	Overview of Myopic Maculopathy Yuxin FANG
21:15	Role of VR Screening for Prospective Refractive Surgery Patients Nishant Vijay RADKE
21:21	Post-Op: ICL Follow-up and Management of Complications Xingtao ZHOU
21:27	How to Get Started in SMILE: From Wetlab, Case Selection to Surgical Technique, etc Dennis LAM
21:33	Long-term Re-innervation SMILE v LASIK Jodhbir MEHTA

17:08	Treatment Regimens for Neovascular AMD: Treat and Extend vs PRN Voraporn CHAIKITMONGKOL
17:16	Monitoring Visual Acuity at Home in Patients with Retinal Disease Neil BRESSLER
17:24	Real Time Teleretinal Laser Photocoagulation for Retinal Disease Youxin CHEN
17:32	Updates on Geographic Atrophy Management in AMD Jun KONG
17:40	New Anti-VEGF Agents and Delivery Systems for 2022 Timothy LAI
17:48	Q&A/Panel Discussion (Live)

Translational and Visual Sciences Research

Cell Therapy

Cell therapy is the transplantation of cells to replace or repair damaged tissue and/or cells. The previous decade has seen notable accomplishments in developing cell therapies for complex eye diseases. In this session, the leading experts from the Asia-Pacific region will present the latest pre-clinical and clinical developments in cell therapies based on cell manipulation, cellular reprogramming, and research related to corneal and retinal diseases.

(GMT+8) 18:15 - 19:15 Livestream 1

Chair(s):

Yizhi LIU, Jie ZHANG

18:15	Neural Crest Migration and Corneal Stroma Development Wai Kit CHU
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Retina 2 (Medical – other)

The Future is Now

In this symposium, speakers from around the world will present various updates and developments in the management of various retinal and macular diseases. Topics include management paradigm and treatment regimen of neovascular AMD, home monitoring of retinal diseases, real-time telemedicine laser treatment of retinal diseases, updates in the management of geographic atrophy, and novel anti-VEGF agents and drug delivery systems for retinal diseases.

(GMT+8) 17:00 - 18:00 Livestream 1

Chair(s):

Neil BRESSLER, Youxin CHEN, Timothy LAI

17:00	Asymptomatic Neovascular AMD: Treat or Observe Until Worsening Gemmy CHEUNG
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- 18:23 Analysis of Eye Development Abnormalities
 Using SEAM
 Motokazu TSUJIKAWA
- 18:31 Corneal Endothelial Cell Therapy Clinical
 Trial Update
 Gary PEH
- 18:39 DWEK with Ripasudil: Who, When and
 How
 Constantinos PETSOGLU
- 18:47 Endogenous and Exogenous
 Reprogramming to Generate Functional
 Retinal Ganglion Cells
 Mengqing XIANG
- 18:55 Corneal Epithelial Homeostasis and
 Pathogenesis
 Hong OUYANG
- 19:03 Q&A (Live)

Day 3
Sept 7, 2021
Tuesday

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology in the era of COVID-19

AAO Symposium: The IRIS Registry, Standardization of Ocular Imaging, and Artificial Intelligence

In 2020, the American Academy of Ophthalmology's Board of Trustees approved a restructuring of volunteer committees related to information technology in ophthalmology to consolidate and streamline communications and activities. This restructuring reflects the critical importance of information technology to the ophthalmologist's daily life and the need to equip ophthalmologists with the necessary knowledge and tools for their armamentarium. This session will address the Academy's initiatives in artificial intelligence, standardization of images and workflow, the IRIS Registry and big data analyses.

(GMT+8) 18:15 - 19:15 Livestream 2

Chair(s):

Emily CHEW, Aaron LEE

- 18:15 Academy Vision for Information Technology
Aaron LEE
- 18:25 Artificial Intelligence, Education and the Academy
John CAMPBELL
- 18:35 The Last Mile Problem in Interoperability and Standardization
Thomas HWANG

- 18:45 The IRIS Registry and Quality Reporting – “If You Can’t Measure It, You Can’t Improve It”
Flora LUM
- 18:55 Harnessing Big Data in the IRIS Registry for Insights
Emily CHEW
- 19:05 Panel Discussion (Pre-tape)

Evolving Academia, Research, Teaching and Education in Ophthalmology in the era of COVID-19

Innovations in Ophthalmic Education due to COVID-19

The COVID-19 pandemic has seen an unprecedented disruption of education throughout the world. To maintain education much teaching has pivoted to online learning and ophthalmology is no exception. Lectures are easily converted to video presentations but there are aspects of ophthalmic education that are not as easily transferred as clinical assessment skills. This session will hear from ophthalmic innovators and their adaptation of teaching and trainee assessment during the pandemic and lockdown.

(GMT+8) 18:15 - 19:15 Livestream 1

Chair(s):

Karl GOLNIK, David MACKEY

- 18:15 Tips For Successful Online Teaching
Wai-ching LAM
- 18:25 Meeting Quality Standards in Asynchronous Online Courses
Eduardo MAYORGA

18:35	A Model for Practicing and Assessing Ophthalmoscopy with Physical Distancing Haoyu CHEN
18:45	Clinical Assessment via Zoom Fred CHEN
18:55	The Ophthalmology Foundations Pandemic Education Plan Karl GOLNIK
19:05	Q&A (Live)

17:20	Analysis of Retinol Binding Protein 4 and ABCA4 Gene Variation in Nonneovascular Age- Related Macular Degeneration Hung Da CHOU
17:25	Tear Soluble Factors and In Vivo Confocal Microscopy (Ivcm) Features in Subjects with Ocular Surface Discomfort/Pain Bhavya GORIMANIPALLI
17:30	Phenotypic Classification and Disease Activity in Thyroid Eye Disease Anmaria DEVASSY
17:35	Patterns of Uveitis in a Tertiary Referral Center in Indonesia: A Retrospective Study Gisela Haza ANISSA
17:40	Q&A (Live)
17:50	YO Awards Presentation (Live)

Miscellaneous

YO Symposium

The APAO YO committee together with the YO representatives from around the world will moderate an exciting YO symposium to hear presentations from the top 5 submitted Free papers from YO's. The top 2 Free paper presentations will be selected and awarded with prize money. Also, there will be presentation of awards to Best Surgical and Educational Video, Best YO Instagram Influencer, Best YO Mentor (nominated by YO's) and Best APAO YO (nominated by YO societies).

(GMT+8) 17:00 - 18:00 Livestream 1

Chair(s):

Marcus ANG, Seng Kheong FANG

17:00	Opening and Welcome Address (Live) Seng Kheong FANG
17:05	Updates on APAO YO and Activities (Live) Marcus ANG
17:10	Survey of Residency Training across the Asia Pacific Andrew TSAI
17:15	Evaluation of Anterior Segment Optical Coherence Tomography Parameters Following Scleral Buckling Surgery in Retinal Detachment Alka YADAV

APAO Anniversary Quiz

(GMT+8) 20:45 - 21:45 Livestream 1

Chair(s):

Santosh HONAVAR

Translational and Visual Sciences Research

APSEG Symposium: Prediction and Prevention of Myopia Progression

Leading experts in the field of myopia research will lecture and discuss the genetics, histopathology, prevention and control of myopia, and management of

complications of pathological myopia. The audience can learn up-to-date myopia mechanisms and interventions.

(GMT+8) 17:00 - 18:00

Livestream 2

Chair(s):

Li Jia CHEN, Govindasamy KUMARAMANICKAVEL

- | | |
|-------|---|
| 17:00 | Myopia Genetics - From Here to There
Terri YOUNG |
| 17:08 | Histopathology of Axial Myopia and Its
Potential Role for Prevention of Myopia
Progression
Jost JONAS |
| 17:16 | Low Concentration Atropine For Myopia
Control
Jason YAM |
| 17:24 | Prediction of Progression from High
Myopia to Pathologic Myopia and Potential
Preventive Therapies
Quan HOANG |
| 17:32 | Finding Out How Genes and Environment
Interact to Cause Myopia
David MACKEY |
| 17:40 | Complications of Pathologic Myopia
Kyoko OHNO-MATSUI |

Day 4
Sept 8, 2021
Wednesday

Glaucoma And Glaucoma Surgery

APGS Symposium: Lasers and Surgeries for Angle Closure and Angle Closure Glaucoma

A distinguished international faculty from the APGS will present the indications, techniques, outcomes, and complications of the laser and surgical options for angle closure and angle closure glaucoma, including laser peripheral iridotomy, laser peripheral iridoplasty, cyclophotocoagulation, lens extraction, external drainage surgery, and some other newer surgical options.

(GMT+8) 18:15 - 19:15 Livestream 2

Chair(s):

Ki Ho PARK, Clement THAM, Ningli WANG

18:15	Welcome Ningli WANG
18:17	Laser Applications in Angle Closure Seng Kheong FANG
18:29	Exploring the Role of Lens Extraction in Angle Closure Clement THAM
18:41	Special Considerations in Trabeculectomy of Angle Closure Eyes Norman AQUINO
18:53	New Surgical Options for Angle Closure Eyes Prin ROJANAPONGPUN
19:05	Q&A/Open Forum (Live)

Hot Debates in Glaucoma Surgery

The past decade has seen a renaissance in glaucoma surgery—micropulse transcleral laser, clear lens extraction for angle closure, new minimally invasive

glaucoma surgeries (MIGS), and novel external outflow devices (PreserFlo, XEN). More choice leads to many controversies about when to use and which is best for what. For example, is micropulse sufficiently safe and effective to be primary therapy in POAG? Is clear lens extraction the best treatment for PACG given possible complications and patient refractive expectations? What should you do with a failed trabeculectomy—needle it, revise it, redo at a new site or move to a tube?

(GMT+8) 20:45 - 21:45 Livestream 1

Chair(s):

Michael COOTE, Shan LIN, Shamira PERERA

20:45	Micropulse as Primary Therapy in POAG - Pro Kin Sheng LIM
20:50	Micropulse as Primary Therapy in POAG - Con Leon AU
20:55	Clear Lens Extraction for PACG - Pro David FRIEDMAN
21:00	Clear Lens Extraction for PACG - Con Shan LIN
21:05	Failed Trabeculectomy - Revision or Tube? - Revision Michael COOTE
21:10	Failed Trabeculectomy - Revision or Tube? - Tube Keith BARTON
21:15	iStent: One of the Best MIGS Options for Glaucoma Chelvin SNG
21:20	iStent : MIGS or MEGS Tanuj DADA
21:25	The New Stens Preserflo/Xen Can Replace Trabeculectomy - Yes Kaweh MANSOURI
21:30	The New Stens Preserflo/Xen Can Replace Trabeculectomy - No Paul HEALEY
21:35	Q&A (Live)

Miscellaneous

Leadership Development Program (LDP) Special Session

Leading a group of people in an organization towards a common goal: leadership. This session shares the long-term impact of the APAO Leadership Development Program which has been running for the last 10 years. A few success stories go a long way in showing the hard work of a true leader.

(GMT+8) 17:00 - 18:00 Livestream 1

Chair(s):

Catherine GREEN, Muhammad MOIN, Shaheeda MOHAMED

17:00	APAO Leadership Development Program (LDP): A Brief History Catherine GREEN
17:05	Myopia Control and Children Eye Care in Asia-Pacific Region and Beyond Jason YAM
17:10	Developing and Incorporating a Module on Professionalism and Ethics into Ophthalmology Post Graduate Training Madhuwanthi DISSANAYAKE
17:15	Leadership Program of Ophthalmological Society of Pakistan (OSP) Muhammad MOIN
17:20	Building a SMART Generation: Increasing the Awareness of Accessibility Features on SMART Devices to Promote Active Ageing Anna TAN
17:25	APAO Satellite Congress Colin CHAN
17:30	Leading the Fight against ROP Nuzhat CHOUDHURY
17:35	Perspective of Women and Leadership: Learning from APAO Leadership Development Program (LDP) since 2016 Yunia IRAWATI

17:40	Implementation of an Online Surgical Logbook for Ophthalmology Residents Mary Ellen SY
17:45	Pediatric Vision Network Project in Mongolia Tsengelmaa CHULUUNBAT
17:50	Inspire a Shared Vision: The Leadership Challenge Johan HUTAURUK

Ocular Imaging

What is New in Ocular Imaging

This symposium will highlight the advances and latest developments in ocular imaging. World-renowned ophthalmologists and vision scientists will present their research findings and discuss cutting-edge imaging technologies in their field of expertise. The topics include ocular biomechanics, corneal dystrophies, dry eye, myopic maculopathy, glaucoma, posterior vitreous imaging, and optic nerve imaging. It will be suitable for all levels of ophthalmologists and vision scientists.

(GMT+8) 18:15 - 19:15 Livestream 1

Chair(s):

Akira KOBAYASHI, Christopher LEUNG

18:15	Imaging to Assess Ocular Biomechanics Michael GIRARD
18:23	In Vivo Imaging of Corneal Dystrophies Akira KOBAYASHI
18:31	Ocular Surface Temperature (OST) and Dry Eye Yuichi HORI
18:39	OCTA for Myopic Maculopathy Timothy LAI
18:47	How Early Can Glaucoma Be Detected by Imaging? Jin Wook JEOUNG

- 18:55 3D Imaging of Posterior Vitreous and
Posterior Staphyloma
Hiroyuki TAKAHASHI
- 19:03 In Vivo Imaging of Cerebrospinal Fluid
Dynamics in the Optic Nerve
Kevin CHAN
- 19:11 Q&A (Live)

- 21:27 Retinal Imaging during COVID-19:
Adapting the Change from Global and US
Perspective
Jay CHHABLANI
- 21:34 Q&A (Live)

APOIS Symposium: New Ocular Imaging Models of Care in the Post COVID-19 Era for Screening, Diagnosis and Prediction

This symposium is organized by the Asia-Pacific Ocular Imaging Society (APOIS), covering new ocular imaging based models of care in COVID-19 for different eye diseases, presented and moderated by international experts.

(GMT+8) 20:45 - 21:45 Livestream 2

Chair(s):

Ki Ho PARK, Tien-yin WONG

- 20:45 AI and Telemedicine in COVID-19
Mingguang HE
- 20:52 Screening for ROP in COVID-19
Michael CHIANG
- 20:59 New Ocular Imaging Models of Care for
COVID-19
Gavin TAN
- 21:06 AI Decision Support for Triaging Suspected
DME Cases
Carol CHEUNG
- 21:13 Impact of COVID-19 Pandemic on Uveitis
Patients Receiving Immunomodulatory and
Biological Therapies (COPE STUDY)
Vishali GUPTA
- 21:20 Imaging in Myopia - Advances and New
Models of Care in New COVID-19 Normal
Marcus ANG

Day 5
Sept 9, 2021
Thursday

Glaucoma And Glaucoma Surgery

WGA Symposium: How to Choose the Glaucoma Surgery: From Filtering to MIGS

This World Glaucoma Association symposium features key opinion leaders and expert surgeons from across the globe and covers a vital topic for glaucoma surgeons regarding decision making on matching the type of glaucoma surgery with the appropriate patient profile. The pros and cons of traditional filtering surgery and various new techniques of minimally invasive glaucoma surgery will be included along with surgical videos on the specific techniques.

(GMT+8) 20:45 - 21:45 Livestream 2

Chair(s):

Tanuj DADA, Min Hee SUH

20:45	Filtering Surgery Still the Gold Standard Tanuj DADA
20:54	MIGS Can Be A Good Treatment Option (Overview) Ike AHMED
21:03	MIGS, Which to Choose? Subconjunctival Bypass Chelvin SNG
21:12	MIGS, Which to Choose? TM/Canal Bypass Ricardo GUEDES
21:21	MIGS, Which to Choose? Supraciliary Bypass Tarek SHAARAWY
21:30	Panel Discussion (Live)

Intraocular Inflammation, Uveitis and Scleritis Improving Diagnostic Acumen in Uveitis and Scleritis

Early and correct diagnosis of uveitis and scleritis is the prerequisite for effective therapeutical intervention.

With growing understanding of the diseases, pre-existing diagnostic criteria are in need of further development and revision. This session brings together contributions covering recent clinical aspects and basic research evidence, aiming to improve the diagnostic acumen of various uveitis subtypes and scleritis.

(GMT+8) 20:45 - 21:45 Livestream 1

Chair(s):

Peter MCCLUSKEY, Peizeng YANG

20:45	Advances in Diagnosis of Ocular TB Soumyava BASU
20:57	Advances in Imaging for Scleritis Maite SAINZ DE LA MAZA
21:09	Development of Revised Diagnostic Criteria for Fuchs' Uveitis Syndrome in a Chinese Population Peizeng YANG
21:21	Metagenomic Sequencing To Diagnose Infectious Uveitis John GONZALES
21:33	MMI & Diagnosis of Uveitis Peter MCCLUSKEY

Miscellaneous

APOTS Symposium: COVID-19 and Ophthalmic Trauma: Lessons Learnt and the Way Forward

This symposium organized by APOTS with speakers from across the Asia-Pacific outlines the impact that COVID-19 has had on ophthalmic trauma care, and the ways in which ophthalmologists have pushed back to maintain ophthalmic care and medical education during the pandemic. It will provide details on how to perform vitrectomy for severe ocular trauma patients during COVID-19, and our experiences of all the procedures, which include preoperative preparation, intraoperative treatment, and the management of post-operative complications. We also examine the way forward, particularly on how prospective trauma datasets will raise the bar for ophthalmic care in the future.

(GMT+8) 18:15 - 19:15 Livestream 2

Chair(s): Sundaram NATARAJAN, Gangadhara SUNDAR, Hua YAN

18:15	Introduction
18:17	Impact of COVID-19 Lockdowns on Ophthalmic Trauma Patterns Shanti BOESOIRIE
18:24	Unusual Trauma Patterns in the COVID Period Rajendra MAURYA
18:31	Ophthalmic Residency Training during COVID-19 Tengku KAMALDEN
18:38	Safely Performing Ophthalmic Trauma Surgery during Lockdown Yun FENG
18:45	IGATES Study from the COVID Era Annette HOSKIN
18:52	APOTS Educational Initiatives and the Way Forward Rupesh AGRAWAL

18:59	Panel Discussion (Live) Hussain KHAQAN, Syeed KADIR, Kenderick SHIH
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Orbital and Oculoplastic Surgery

'What Am I Doing Differently?'

Experienced oculoplastic surgeons will discuss what they are doing differently in eyelid and orbital conditions. The audience will be able to learn these up-to-date clinical practices.

(GMT+8) 17:00 - 18:00 Livestream 1

Chair(s):

Dongmei LI, Timothy SULLIVAN, Hunter YUEN

17:00	A New Easy-to-Use Porous Orbital Implant with An Innovative Suturing Platform Reynaldo JAVATE
17:08	My Approach for Eyelid Reconstruction in Periorbital Plexiform Neurofibroma Dongmei LI
17:16	What Am I Doing Differently in TAO Timothy SULLIVAN
17:24	Orbital Apical Lesion, Vision Threatening Kyung In WOO
17:32	What Am I Doing Differently: Aiming for Perfection in Periocular Aesthetics Kasturi BHATTACHARJEE
17:40	CBCT in Orbitofacial Disorders Gangadhara SUNDAR
17:48	Q&A (Live)

Pediatric Ophthalmology and Strabismus

IMI Symposium: International Myopia Institute 2021 White Papers – Where the New Evidence Takes Us in Managing Myopia

Myopia is one of the greatest public health eye issues of the 21st century, with 50% of the world's population predicted to be affected by 2050. Myopic macular degeneration will also join the leading cause of vision impairment. The IMI arose from the 2015 meeting of the WHO-BHVI meeting on myopia and recently published the second series of white papers in IOVS. Key findings of the white papers, including the global impact of myopia, pathologic myopia, and updates on clinical prevention of myopia and its progression will be presented, followed by a live discussion.

(GMT+8) 17:00 - 18:00

Livestream 2

Chair(s): Monica JONG, Kyoko OHNO-MATSUI, Tien-yin WONG

17:00	Who is IMI? Monica JONG
17:05	Impact of Myopia Padmaja SANKARIDURG
17:12	Pathologic Myopia Kyoko OHNO-MATSUI
17:19	Risk Factors for Myopia Ian MORGAN
17:26	Prevention of Myopia and Its Progression Jost JONAS
17:33	Atropine, Public Health Initiatives and Implementation of Prevention of Myopia Pei-chang WU
17:40	Q&A (Live)

What Not to Miss in Paediatric Ophthalmology and Strabismus

An international panel of experts will share cases seen commonly in our pediatric ophthalmology practices. Important pointers in history taking and evaluation will be discussed so as not to miss sight threatening or life threatening conditions.

(GMT+8) 18:15 - 19:15

Livestream 1

Chair(s): James ELDER, Sonal FARZAVANDI, Jason YAM

18:15	A Baby with Epiphora – Nasolacrimal Duct Obstruction or Something Else? Anne Marie YARDLEY
18:22	An Infant with Strabismus – What Are We Looking For? Srijana ADHIKARI
18:29	Acquired Esotropia in a Child – Do They See a Pediatric Neurologist? Chong-bin TSAI
18:36	Juvenile Idiopathic Arthritis and the Eye James ELDER
18:43	Child That Failed Vision Screening in School – What Next? Sachiko NISHINA
18:50	A Child with Headaches – Do You Always Need Neuroimaging? Jyoti MATALIA

Day 6
Sept 10, 2021
Friday

Cornea, External Eye Diseases and Eye Banking

ACS Symposium: Ocular Surface Diseases and Reconstruction

The symposium supported by the Asia Cornea Society covers state-of-the-art information on various ocular surface diseases including radical surgical treatments. The distinguished corneal specialists in various countries in Asia will present their topics, thus the symposium will be suitable for not only corneal specialists but also general ophthalmologists.

(GMT+8) 17:00 - 18:00 Livestream 2

Chair(s):

Shigeru KINOSHITA, Donald TAN

17:00	Minor Salivary Gland Transplantation with Cell Therapy for Ocular Surface Disorders I-jong WANG
17:08	Tear Based Biomarker Test for Dry Eye Clinical Diagnosis Zuguo LIU
17:16	Microbiome of the Ocular Surface in Health and Disease Vilavun PUANGSRICHARERN
17:24	Treatment of Stevens-Johnson Syndrome Namrata SHARMA
17:32	Treatment Strategy of Ocular Surface Neoplasia Chie SOTOZONO
17:40	Ocular Surface Reconstruction Using iPS Derived Corneal Epithelial Cell Kohji NISHIDA
17:48	Q&A (Live)

Cornea and External Disease Update for the Comprehensive Ophthalmologist

This session was designed with current relevant topics, such as herpes zoster, dry eye, endothelial dysfunction, and lid and lash abnormalities, conditions seen regularly by a comprehensive ophthalmologist. The topics will be presented with clinical information that can be immediately incorporated into practice.

(GMT+8) 20:45 - 21:45 Livestream 1

Chair(s):

Michael BELIN, Srinivas RAO, Alvin YOUNG

20:45	Ocular Prophylaxis: What to Do and When Terrence O'BRIEN
20:53	Modern Technology and Dry Eye Louis TONG
21:01	Corneal CXL: Current and Future Trends Colin CHAN
21:09	Treatment of Endothelial Dysfunction: Evolution and Revolution Jodhbir MEHTA
21:17	Herpes Zoster: Diagnosis, Treatment and Prevention Bennie JENG
21:25	Lids and Lashes: The Commonly Overlooked Cause for Anterior Segment Inflammation Srinivas RAO
21:33	Q&A/Panel Discussion (Live)

Evolving Academia, Research, Teaching and Education in Ophthalmology in the era of COVID-19

AAPPO Symposium: How to Initiate a Research Project

Setting up a research project involves a lot: how do you decide what you are going to study? Do you have a specific question? How do you move from seeing patients to writing a paper? How do you handle the data that you collect? And when you have decided on a project, collected your data and written a paper, how do you get it published by a journal? Or in a book? Do you need money to get your project off the ground? And how do you get collaborations going with others? These questions will be discussed by an amazing international top panel of eye researchers. Watch them share tips on what to do and how to get better.

(GMT+8) 18:15 - 19:15

Livestream 2

Chair(s):

Sally ATHERTON, Martine JAGER

18:15	Choosing a Research Project Martine JAGER
18:22	From Clinical Observation to Publication Carol SHIELDS
18:29	What To Do with Your Data? Tin AUNG
18:36	Funding Your Research Sally ATHERTON
18:43	How To Get Your Paper Published Sobha SIVAPRASAD
18:50	Collaborating and Supervising Dong Feng CHEN
18:57	How To Put a Book Together Bhavna CHAWLA
19:04	Q&A/Panel Discussion (Live)

AOI Symposium: Improving Education and Care by Telemedicine

The Academia Ophthalmologica Internationalis (AOI) is an organization that strongly supports education in ophthalmology. Virtual education has taken off during the last year, often under the leadership of members of the AOI. Some centres such as the University of Edinburgh were already advanced in providing online education in ophthalmology, while other centres quickly

developed new approaches when regular teaching sessions were stopped. Centres such as the L.V. Prasad Institute in Hyderabad, The Chinese University of Hong Kong, Moorfields Eye Hospital in London and the Bascom Palmer Eye Institute in Miami were among the frontrunners to develop new approaches in ophthalmic education, helping students worldwide. Their experiences will be shared during this symposium.

(GMT+8) 20:45 - 21:45

Livestream 2

Chair(s):

Wai Kit CHU, Martine JAGER, Marie-jose TASSIGNON

20:45	The Bascom Palmer Telehealth Playbook Ranya HABASH
20:53	Telemedicine and Tediagnosis at the LV Prasad Anthony Vipin DAS
21:01	The Effect of Telemedicine on the Glaucoma Service at Moorfields Renata PUERTAS
21:09	Evaluation of the Effectiveness of E-Learning Wai Kit CHU
21:17	Developing on Line Education Avant la Lettre, Part 1 Baljean DHILLON
21:23	Developing on Line Education Avant la Lettre, Part 2 David PYOTT
21:29	New Approaches in Student and Resident Education Chris ALABIAD
21:37	Q&A (Live)

Ocular Oncology and Pathology

Ocular Oncology: Update for Clinical Care

The ocular oncology field is a field in motion: with all the new diagnostic approaches and the development of new therapies in general oncology, new options become available to successfully treat our ophthalmologic patients. This holds true for conjunctival tumors, as well as for intraocular lesions, ranging from the benign but vision-threatening hemangioblastomas to retinoblastoma, lymphoma, and uveal melanoma. The newest approaches will be discussed by the greatest experts in the field.

(GMT+8) 17:00 - 18:00

Livestream 1

Chair(s):

Bertil DAMATO, Santosh HONAVAR, Martine JAGER

17:00	Treatment of Advanced Conjunctival Tumors Santosh HONAVAR
17:08	Findings and New Treatments for Retinal Hemangioblastoma Carol SHIELDS
17:16	An Update on Vitreoretinal Lymphoma Bertil DAMATO
17:24	Differentiating a Choroidal Mole from a Melanoma Rod O'DAY
17:32	Uveal Melanoma: From Prognostication to Therapy Martine JAGER
17:40	Optimizing Treatment of Retinoblastoma Renbing JIA
17:48	Q&A (Live)

Ophthalmic Epidemiology and Prevention of Blindness

Beyond 2020: Challenges and Innovations in Delivering Eye Care

Vision 2020 ended in an unexpected way for the global eye health community with a string of lockdowns and clinical work stoppages extending around the world due to COVID-19. As the pandemic situation begins to stabilize, this is an ideal time for us to ask ourselves throughout the region: What has global Vision 2020 achieved, and what are the next steps to secure a world free of avoidable blindness? Our session invites leaders from throughout the world to answer two timely questions after 2020: What are the greatest remaining challenges? And what are the innovative approaches to overcome the challenges?

(GMT+8) 18:15 - 19:15

Livestream 1

Chair(s):

Nathan CONGDON, Ava HOSSAIN, Yuanbo LIANG

18:15	Challenges and Opportunities in Preventing Blindness beyond 2020 Ava HOSSAIN
18:24	Greatest achievement and greatest remaining challenges for Refractive Error (RE) Nathan CONGDON
18:33	Greatest Achievement and Greatest Remaining Challenges for DR Brijesh TAKKAR
18:42	Using Computer Vision to Screen for Visual Impairment and Cataract Ching-yu CHENG
18:51	Innovation on Screening and Monitoring of Glaucoma in the Community Xiulan ZHANG
19:00	Q&A (Live)

Day 7
Sept 11, 2021
Saturday

Plenary Session 2

APAO 2020 Named Awards Lectures

This plenary session is a major highlight of the APAO 2021 Virtual Congress. It brings together in one session the main APAO named lectures for global contributions to ophthalmology from some of the world's leading experts. Topics cover the broad panoply of contemporary refractive surgery, corneal diseases, pearls of cataract surgery and developing leadership in ophthalmology in the Asia-Pacific. Outstanding speakers and topics include: Prof Ronald Kruger (United States) presenting the Jose Rizal International Medal Lecture on refractive surgery 'From SMILE to LIKE'; Prof Dennis Lam (Hong Kong, China) presenting the Arthur Lim Award Lecture on the topic of 'Grooming Future Leaders in Ophthalmology in the Asia-Pacific Region'; Professor Lixin Xie (China) presenting the De Ocampo Lecture: 'My 50 Years' Work for Prevention and Treatment of Corneal Diseases'; and Prof Soon Phaik Chee (Singapore) presenting the Susruta Award Lecture on 'My Favorite Maneuvers in Cataract Surgery'. After these four 20-minute presentations a brief, live Q&A session will be held by Profs Charles McGhee, Dennis Lam and Gerard Sutton.

12:45	Jose Rizal International Medal Lecture: From SMILE to LIKE Ronald KRUEGER
13:05	Arthur Lim Award Lecture: Grooming Future Leaders in Ophthalmology in the Asia-Pacific Region Dennis LAM
13:25	De Ocampo Lecture: My 50 Years' Work for Prevention and Treatment of Corneal Diseases Lixin XIE

13:45	Susruta Award Lecture: My Favourite Manoeuvres in Cataract Surgery Soon Phaik CHEE
14:05	Q&A (Live)

(GMT+8) 12:45 - 14:15

Livestream 1

Chair(s):

Dennis LAM, Charles MCGHEE, Gerard SUTTON

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology in the era of COVID-19

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology in the Era of COVID-19

The simultaneous maturation of multiple digital and telecommunications technologies in 2020 has created an unprecedented opportunity for ophthalmology to adapt new models of care using telehealth supported by digital innovations. These digital innovations include artificial intelligence (AI), 5th generation (5G) telecommunication networks and the Internet of Things (IoT), creating an interdependent ecosystem offering opportunities to develop new models of eye care addressing the challenges of COVID-19 and beyond.

Ophthalmology has thrived in some of these areas partly due to its many image-based investigations. Telehealth and AI provide synchronous solutions to challenges facing ophthalmologists and healthcare providers worldwide. As ophthalmic services adapt and form a "new normal", the rapid adoption of telehealth and digital innovations during the pandemic is also discussed. Finally, challenges for validation and clinical implementation are considered, as well as recommendations on future directions.

(GMT+8) 17:00 - 18:00

Livestream 1

Chair(s):

Carol CHEUNG, Daniel TING

17:00	AI for Glaucoma Screening: Opportunities and Challenges Anran RAN
17:05	AI for DR Screening: Is It Cost-Effective? Paisan RUAMVIBOONSUK
17:10	The Use of Blockchain as a New Fuel for AI and Digital Innovation Tien-en TAN
17:15	AI and Digital Innovation for Eye Services in UK During COVID-19 Louisa WICKHAM
17:20	AI and Digital Innovation for Eye Services in China During COVID-19 Haotian LIN
17:25	AI and Digital Innovation for Eye Services in Australia During COVID-19 Mingguang HE
17:30	AI and Digital Innovation for Eye Services in India During COVID-19 Rajiv RAMAN
17:35	AI and Teleophthalmology Aaron LEE
17:40	Q&A/Panel Discussion (Live)

Cataract and cataract surgery

Managing Complex Cataract Cases and Complications

This session will describe safe surgical principles for complex cataract cases. Some potential complications can be anticipated and avoided, yet others must be addressed to minimize further harm and maximize visual outcomes. The speakers will showcase a wide range of techniques relevant for both the trainee and the established ophthalmologist, including management of white swollen cataract, capsule rupture, vitreous loss, and zonular loss. Modern approaches to IOL scleral fixation,

iris defects and premium IOLs with an open capsule will also be illustrated to give the delegates confidence in planning, identifying and addressing surgical complexity.

(GMT+8) 15:45 - 16:45

Livestream 2

Chair(s):

Vanessa CHOW, David LOCKINGTON, Ke YAO

15:45	Management of White Swollen Cataracts Mun Wai LEE
15:53	Management of Posterior Capsule Rupture and Vitreous Loss David LOCKINGTON
16:01	Intraoperative Zonular Dehiscence Caused by Scleritis Ke YAO
16:09	PCR in the Setting of a Planned Premium/Toric Lens Thanapong SOMKIJRUNGROJ
16:17	Scleral Fixation of IOL – With and Without Sutures Vanessa CHOW
16:25	Fixing Iris Defects Soon Phaik CHEE
16:33	Q&A/Panel Discussion (Live)

Miscellaneous

APAO Leadership Development Program (LDP) 2020-21 Orientation Class 4: Fishbone Analysis

- Open to APAO LDP Class Participants Only -

(GMT+8) 15:45 - 16:45

Livestream 3

Chair(s):

Shaheeda MOHAMED

15:45	Fishbone Analysis Muhammad MOIN
16:00	Scenario for Fishbone Analysis Shaheeda MOHAMED

- 16:10 Small Group Discussion on Fishbone Analysis (Live)
Vivek DAVE, Madhuwanthi DISSANAYAKE, Shaheeda MOHAMED, Sherman VALERO
- 16:30 Presentations by Group Leaders on Fishbone Analysis (Live)
Muhammad MOIN, Sherman VALERO

APAO Leadership Development Program (LDP) 2019-21 Graduating Class 1: Graduation Project Presentations

- Open to APAO LDP Class Participants Only -

(GMT+8) 17:00 - 18:00 Livestream 3

Chair(s):

Marcus ANG, Madhuwanthi DISSANAYAKE, Shaheeda MOHAMED

- 17:00 Introduction
- 17:05 Solution to Improve Ophthalmology Resident Surgery Skill during Pandemic
Mas Putrawati ANAK AGUNG
- 17:10 Promoting a Formal Mentorship Program amongst Victorian Ophthalmology Trainees
Elsie CHAN
- 17:15 Microsurgical Training for Young Cataract Surgeons in Hong Kong
Tommy CHAN
- 17:20 Simulated Cataract Surgery Training Program in Korea
Heeyoon CHO
- 17:25 Now Eye Know: Educational Videos
James Abraham LEE
- 17:30 Resident and Glaucoma Fellow Surgical Experience across Asia-Pacific
Kasem SERESIRIKACHORN
- 17:35 Asia-Pacific Residency Training Survey
Andrew TSAI
- 17:40 YO Educational Symposium
Yasuo YANAGI
- 17:45 Children Care Through Eye Care

- Ka Wai KAM**
- 17:50 Decreased Choroidal Blood Perfusion Induces Myopia in Guinea Pigs
Xiangtian ZHOU
- 17:55 Q&A (Live)

PAAO Symposium: What is Hot in The Americas 2021

Learn from Pan-Americans experts all the advanced and hot topics in the main subspecialty fields of ophthalmology that could change your practice in 2021 for good.

(GMT+8) 18:15 - 19:15 Livestream 1

Chair(s):

Miguel BURNIER JR, Paulo DANTAS

- 18:15 Trends in the Management of Corneal Endothelial Dystrophy (Fuchs) in 2021
Paulo DANTAS
- 18:23 Intravitreal Anti-VEGF Injections for Exudative Retinal Arterial Macroaneurysms
J.Fernando AREVALO
- 18:31 Angle Closure Glaucoma in 2021: Changes in Management Paradigm as a Result of Randomized Clinical Trials
Marcelo NICOLELA
- 18:39 Sebaceous Carcinoma of the Eyelid. Clínico Pathological Correlation
Miguel BURNIER JR
- 18:47 Presbyopia Management of Refractive Surgery Patients
Jorge VALDEZ-GARCÍA
- 18:55 COVID 19 Ocular Manifestations in Pediatric Population
Angela FERNANDEZ
- 19:03 Corneal Neurotization, New Tool for Neurotrophic Keratitis
Roberto EBNER
- 19:11 Q&A (Live)

APAO Leadership Development Program (LDP) 2019-21 Graduating Class 2: Graduation Project Presentations

Open to APAO LDP Class Participants Only

18:15 - 19:15

Livestream 3

Chair(s):

Vivek DAVE, Muhammad MOIN, Sherman VALERO

18:15	Introduction
18:20	The Application of Clinical Registries in Ophthalmic Trauma - The International Globe and Adnexal Trauma Epidemiology Study (IGATES) Rupesh AGRAWAL
18:25	Quo Vadis? Advocacy, Policy and Planning in COVID Associated Mucormycosis: A Battle within the War! Tarjani DAVE
18:30	Application of Shared-Decision-Making (SDM) in Ophthalmology De-kuang HWANG
18:35	Standardize the Aesthetic Market in China Dongmei LI
18:40	Awareness Program on Allergic Conjunctivitis Emmy Yuen-mei LI
18:45	Increasing Awareness about Corneal Donation in Malaysia K John MATHEN
18:50	Cataract Screening by Primary Health Care Workers in Sri Lanka – a Part of Cost-Effective Sustainable Cataract Surgery Programme Malaravan MUTHUSAMY
18:55	Screening of Accompanying First Degree Relatives of Patients with Primary Open Angle Glaucoma Indira PAUDYAL
19:00	To Establish Ophthalmic Oncology Service in Mongolia Bayasgalan PUREVDORJ

19:05 Q&A (Live)

Ophthalmic Epidemiology and Prevention of Blindness

VISION 2020

In October 2019, the World Health Organization (WHO) launched the first World Report on Vision (WRV) and suggested the 'Integrated People-Centered Eye Care (IPCEC)' model to achieve universal eye health coverage. In 2020, the World Health Assembly (WHA) adopted the resolution (WHA 73.4) and in 2021, the WHA set 2030 global targets on two common eye disorders, refractive error, and cataract surgery. The United Nations General Assembly has adopted the resolution (A/75/L.108) — 'Vision for Everyone'—to achieve sustainable development goals in eye health by 2030. The current symposium will provide insight into the WRV recommendations in the Asia-Pacific region.

(GMT+8) 15:45 - 16:45

Livestream 1

Chair(s):

Taraprasad DAS, Hugh TAYLOR, Ningli WANG

15:45	Introduction Ningli WANG
15:47	World Report on Vision (WRV) Hugh TAYLOR
15:54	WRV & South Asia (Other Than India) Taraprasad DAS
16:01	WRV & India Thulasiraj RAVILLA
16:08	WRV & Southeast Asia (Other Than South Asia) Aldiana HALIM
16:15	WRV & Western Pacific (Other Than China) Amanda DAVIS

16:22	WRV & China Ningli WANG
16:29	Panel Discussion (Live)
16:43	Conclusion (Live) Sundaram NATARAJAN

Refractive Surgery

Refractive Surgery: Latest Trends

Refractive surgery options continue to evolve despite the COVID-19 impediments. In this session, we examine the efficacy of the latest surgical developments and critically examine their role in the refractive surgeon's armamentarium. Corneal and intraocular topics will be covered including SMILE, phakic IOL, EDOF IOLS, LASIK Xtra, and IOL exchange. Emphasis will be on concise presentations which will allow attendees an efficient mechanism to become up to date in refractive surgery trends.

(GMT+8) 18:15 - 19:15 Livestream 2

Chair(s):

John CHANG, Ying LI, Gerard SUTTON

18:15	Long Term Observation of 10,000 Cases of Small Incision Lenticule Extraction for Myopia and the Re-Use of Lenticule for Keratoconus and Corneal Ulcer Yang JIANG
18:23	When & How to Exchange an IOL in an Unhappy Patient John CHANG
18:31	Extended Depth of Focus IOLs: Where Do They Fit In? Patrick VERSACE
18:39	LASIK XTRA: Necessary Treatment or Emperor's New Clothes Li LIM
18:47	New Treatments for Presbyopia: Is a Cure in Sight? Gerard SUTTON

18:55	Phakic IOL: Current State of Play Antonio MARINHO
19:05	Q&A (Live)

Retina 3 (Surgical)

Evolution of Retinal Detachment Management in the Asia Pacific

This symposium covers short case presentations of different types of retinal detachment and the management strategies by experts from the Asia-Pacific region. It will be suitable for all levels of ophthalmologists.

(GMT+8) 17:00 - 18:00 Livestream 2

Chair(s):

Andrew CHANG, Kenneth FONG, Chi-chun LAI

17:00	Round Hole Retinal Detachment in Young Adult Manoharan SHUNMUGAM
17:05	U-Tear Retinal Detachment in Middle Aged Adult Joo Yong LEE
17:10	Complex Retinal Detachment Wu LIU
17:15	PVR Related Retinal Detachment Marie Joan LOY
17:20	Endophthalmitis/ Trauma Related Retinal Detachment Vivek DAVE
17:25	Myopic Macula Hole Retinal Detachment Kazuaki KADONOSONO
17:30	Panel Discussion (Live) Andrew CHANG

Instruction Courses

Day 2
Sept 6, 2021
Monday

Pediatric Ophthalmology and Strabismus

Imaging in Strabismus-Good, the Bad and the Ugly

(GMT+8) 17:00 - 18:00
Livestream 3

Chair(s): Savleen KAUR

17:00	Course Introduction (Live) Savleen KAUR
17:02	Ultrasound Biomicroscope (UBM) for localising muscle insertions Jaspreet SUKHIJA
17:14	Anterior Segment Optical Coherence Tomography (ASOCT) in strabismus- is it a replacement of the UBM? Savleen KAUR
17:26	Neuroimaging in strabismus-when, why and which one to order? Shweta CHAURASIA
17:38	OCT Angiography in strabismus and amblyopia Shagun KORLA
17:50	Discussion (Live)

Retina 3 (Surgical)

Challenging Scenarios in VR Surgery: A Video Based Series

18:15 - 19:15
Livestream 3

Chair(s): Ramandeep SINGH

18:15	1 Ramandeep SINGH
18:30	2 Mohit DOGRA
18:45	3 Simar Rajan SINGH
19:00	4 Deeksha KATOCH

Day 3
Sept 7, 2021
Tuesday

Cornea, External Eye Diseases and Eye Banking

Comprehensive Management of Ocular Complications of Stevens - Johnson Syndrome and Toxic Epidermal Necrolysis in Asians

(GMT+8) 18:15 - 19:15
Livestream 3

Chair(s): Kendrick SHIH

18:15	Diagnosis and Classification: Prognostic Implications Kendrick SHIH
18:27	Management of Acute Ocular Surface Inflammation: Paradigm Shift Towards Early Amniotic Membrane Transplantation Alex Lap Ki NG
18:39	Management of Cicatricial Entropion Loraine CHOW
18:51	Use of Scleral Contact Lenses for Visual and Ocular Surface Rehabilitation Vanissa CHOW
19:03	Cataract surgery in cicatrising conjunctivitis Hon Shing ONG

Day 4
Sept 8, 2021
Wednesday

Intraocular Inflammation, Uveitis and Scleritis

**Posterior Uveitis in the Asia-Pacific Region:
 From Diagnosis to Successful Management**

17:00 - 18:00
Livestream 2

Chair(s): Lawrence IU

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|-------|--|
| 17:00 | Clinical Assessment and Investigational Workup for Posterior Uveitis
Lawrence IU |
| 17:10 | Imaging in Posterior Uveitis
Marten BRELEN |
| 17:20 | Infectious Posterior Uveitis
Hoi Yau TANG |
| 17:35 | Non-Infectious Posterior Uveitis
Mary HO |
| 17:50 | Paediatric Posterior Uveitis
Hui Ping Frank LAI |

Orbital and Oculoplastic Surgery

**Using GPS to Reach the Destination:
 Navigation Guided Orbital Surgery**

20:45 - 21:45
Livestream 3

Chair(s): Aditi MEHTA

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|-------|---|
| 20:45 | An overview of the interface of the Navigation Guided System
Aditi MEHTA |
| 20:55 | Video assisted demonstration of navigation guided optic canal decompression
Kasturi BHATTACHARJEE |

- | | |
|-------|--|
| 21:10 | Navigation guided approach to the orbital apex
Nattawut WANUMKARNG |
| 21:20 | Navigation guided fracture repair and reconstruction
Honglei LIU |
| 21:30 | Navigation guided orbital decompression for Thyroid Eye Disease
Tarjani DAVE |

Day 6
Sept 10, 2021
Friday

New approaches to patient management and dealing with unmet need in the era of COVID-19

COVID-19 Associated Mucormycosis: A Battle Within the War!

20:45 - 21:45
Livestream 3

Chair(s): Tarjani DAVE

- | | |
|-------|--|
| 20:45 | Immunopathology of mucormycosis in COVID-19
Tarjani DAVE |
| 20:55 | Code Mucor: Staging the disease and diagnostic pathways
Santosh HONAVAR |
| 21:05 | Imaging in rhino-orbital-cerebral mucormycosis
Tarjani DAVE |
| 21:15 | Surgical management of mucormycosis : A case based approach
Raghuraj HEGDE |
| 21:25 | Why we do what we do: The scientific background behind managing mucormycosis
Akshay NAIR |

21:35 Prosthetic rehabilitation following surgical
management of COVID-associated
mucormycosis
Sachin GUPTA

Retina 3 (Surgical)

Vitreo-Retinal Surgeon's Nightmares!

18:15 - 19:15

Livestream 3

Chair(s): Bhuvan CHANANA

18:15 Uncontrolled bleeding during Diabetic
Vitreotomy
Bhuvan CHANANA

18:30 My infusion Cannula is not in position:
Subretinal or Suprachoroidal displacement
of infusion cannula
Heinrich HEIMANN

18:45 Slippage of Giant Retinal Tear flap: What to
do next?
Shih Jen CHEN

19:00 Sub-macular hemorrhage during vitrectomy
for retinal detachment: How to proceed
Rajvardhan AZAD

FREE PAPERS

Day 2
Sept 6, 2021
Monday

Retina 2 (Medical – other)

Rapid Fire Retina 2 (Medical – other) Update Session

(GMT+8) 20:45 - 21:45

Livestream 3

Chair(s): Xinyuan ZHANG

- 20:45 The Archway Phase 3 Trial of the Port Delivery System With Ranibizumab (PDS) for Neovascular Age-Related Macular Degeneration (nAMD): Data Update and Key Surgical Pearls
Andrew CHANG
- 20:52 Faricimab in Neovascular Age-Related Macular Degeneration: 1-Year Results from the Phase 3 TENAYA and LUCERNE Trials
Hideki KOIZUMI
- 20:59 Penetration Of Topical Levofloxacin 1.5% Compared To Moxifloxacin 0.5% Into Aqueous And Vitreous - Preliminary Result
Norashikin MASLAN
- 21:06 Quantitative vascular outgrowth and anatomic and refractive outcomes of eyes treated with bevacizumab in posterior zone 1.
Sadik BAYRAMOGLU
- 21:13 The Associations between Non-steroidal Anti-inflammatory Drugs and Age-related Macular Degeneration – A Ten-year Retrospective Matched Cohort Study
Yi-ting HSIEH
- 21:20 The retinal vascular growth rate in babies with Retinopathy of prematurity could indicate treatment need
Tapas PADHI

- 21:27 Lipoprotein A as a risk factor for polypoidal choroidal vasculopathy and age-related macular degeneration
Xinyuan ZHANG
- 21:34 Role of Dual Inhibition of Ang-2 and VEGF-A in Patients with Macular Edema Due to Branch or Central/Hemiretinal Retinal Vein Occlusion: Rationale and Design of the Faricimab Phase 3 BALATON and COMINO Trials
Yih-shiou HWANG

Day 3
Sept 7, 2021
Tuesday

Cornea, External Eye Diseases and Eye Banking

Rapid Fire Cornea, External Eye Diseases and Eye Banking Update Session

20:45 - 21:45

Livestream 3

Chair(s): Marcus ANG

- 20:45 Developing a New Treatment for Superficial Fungal Infection using the Antifungal Collagen- HSAF Dressing
Jing ZHONG
- 20:50 Femtosecond Laser Assisted Intrastromal Negative Meniscus Lenticule Implantation with Accelerated Corneal Collagen Crosslinking
Rajesh SINHA
- 20:55 Comparison of Newer Procedural Therapies for Dry Eye - Intense Pulsed Light Therapy (Eyelight and E-eye) Versus Thermal Pulsation Therapy (Lipiflow)
Sailie SHIRODKAR

21:00	Preliminary results of implantation of an artificial corneal endothelial device - the Endoart. Ruth LAPID
21:05	Evidence Based Case Report: Autologous Serum Eye Drops for Persistent Epithelial Defect Faraby MARTHA
21:10	Long-term Outcomes of the MICOV Keratoprosthesis Surgery Liqiang WANG
21:15	The Double-Deck Technique Protects the Corneal Endothelium in Penetrating Keratoplasty with Vitrectomy and Silicone Oil Tamponade for Severe Ocular Injury Yun FENG
21:20	Efficacy of ipsilateral, focal-simple limbal epithelial transplantation for large primary nasal pterygia Yashas GOYAL
21:25	Effect Of Pterygium Excision On Calculation Of Intraocular Lens Power And Correlation Of Change In Intraocular Lens Power With Size Of Pterygium Neha ADLAKHA
21:30	A Definitive Evidence of Corneal Stiffening after Crosslinking from Polarization Sensitive Optical Coherence Tomography Imaging(PS-OCT) Sneha GUPTA
21:35	A domestic keratoprosthesis reinforced by ear cartilage in the treatment of end-stage corneal blindness. Yifei HUANG
21:40	A novel approach of harvesting viable single cells from donor corneal endothelium for cell- injection therapy Hon Shing ONG

Miscellaneous

Rapid Fire Cataract and Cataract Surgery, Refractive Surgery & Neuro-Ophthalmology Update Session

(GMT+8) 17:00 - 18:00

Livestream 3

Chair(s): Vishal JHANJJI

17:00	Intraoperative Aberrometry (ORA) Versus Conventional Biometry for IOL Power Selection: A prospective observational study from a tertiary referral centre Sandhya GAUR
17:06	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
17:12	Initial experience with 3-D Heads up display system for cataract surgery – A comparative study. Jai KELKAR
17:18	Epigenetic Changes Demonstrate Unique Wound Healing Signatures Induced By Lasik & Smile Sriram ANNAVAJJHALA
17:24	Unplanned Reoperation of EVO Implantable Collamer Lens in 10,258 Eyes: Incidence, Causes, and Outcomes Ruoyan WEI
17:30	Affordable 3D-Printed Frenzel Goggles for Improved Nystagmus Detection Yejun HONG
17:36	Constructing Intraocular Lens Power Calculation Models Based On Machine Learning A-yong YU

- 17:42 Cost-effectiveness of Virtual Reality and Wet Laboratory Phacoemulsification Cataract Surgery Simulation on Operating Theatre Performance
Danny NG
- 17:48 Novel Simulation Of Accommodation: a Predictive Tool for Central Optical Power
Annmarie HIPSLEY
- 17:54 Experimental study of using isolated capsulorhexis flap to protect corneal endothelial cells in femtosecond laser-assisted cataract surgery
Shaowei LI

Day 4
Sept 8, 2021
Wednesday

Rapid Fire Translational and Visual Sciences Research & Intraocular Inflammation, Uveitis and Scleritis Update Session

(GMT+8) 18:15 - 19:15
Livestream 3

Chair(s): Quan HOANG

- 18:15 Genotype-phenotype correlation and interaction of 4q25, 15q14 and MIPEP variants with myopia in southern Chinese population
Tsz Kin NG
- 18:21 Ocular Surface (OS) Immunoprofiling in Keratoconus
Bhavya GORIMANIPALLI
- 18:27 Low vitamin D receptor linked to reduced endogenous cross-linking in keratoconus
Prashansa THAKUR
- 18:33 Adaptive Optics Imaging Reveals Photoreceptor Paucity in Congenital Colour Vision Deficiency
Lubhavni DEWAN

- 18:39 Association of Single-Nucleotide Polymorphisms in CFH and TNFRSF10A with Chronic Central Serous Chorioretinopathy in Southern Chinese
Zhen Ji CHEN
- 18:45 Fine Resolution Assessment of the Elastic Properties of Myopic Choroidal Stroma in an Animal Model
Quan HOANG
- 18:51 Why Multi-Pronged Approach is required for nAMD :A multivariate analysis of Aqueous humor biomarkers and Spectral OCT
Thirumalesh M B
- 18:57 Acute Non-Granulomatous Anterior Uveitis In Sars Covid- 19 – A Case Series
Priyadarshini PARTHASARATHI
- 19:03 Differential diagnosis and treatment of exogenous fungal endophthalmitis and endogenous fungal endophthalmitis
Luping WANG
- 19:09 Single-Cell RNA-Seq Analysis Maps Early Retinal Development of Mouse and Human Retina
Xi CHEN

Ocular Imaging

Rapid Fire Ocular Imaging Update Session

(GMT+8) 17:00 - 18:00
Livestream 3

Chair(s): Jacqueline CHUA

- 17:00 Foveal avascular zone segmentation in optical coherence tomography angiography images using a deep learning approach
Reza MIRSHAHI
- 17:05 Automated Ultrasonic Assessment of Gaze-Induced Deformation of Posterior Staphyloma in Highly Myopic Eyes by Means of Radius of Curvature
Kazuyo ITO

- 17:10 Precision and Accuracy of Anterior Segment Analysis with a New SD-OCT/Placido Tomographer in Cataract Patients
Jinhai HUANG
- 17:15 Oral fluorescein Angiography using Broadline Imaging technology for retinal disease
Sangeet MITTAL
- 17:20 Smaller corneal white to white and posterior elevation
Sailie SHIRODKAR
- 17:25 Impact of Tear Film Optics on Repeatability of Pentacam® AXL Wave – Hybrid Topographer & Aberrometer - with Normal versus Abnormal Optical Scatter Index.
Divya TRIVEDI
- 17:30 Use of Deep Learning Network and Wide-Field Corneal Endothelial Mapping in Analysis of Descemet's Membrane Endothelial Keratoplasty Grafts
Kai Yuan TEY
- 17:35 Comparison of Multicolor fundus imaging and Optos widefield imaging in tractional retinal detachment
Santosh GADDE
- 17:40 A Multi-Regression Framework to Improve the Diagnostic Ability of Optical Coherence Tomography Retinal Biomarkers to Discriminate Mild Cognitive Impairment and Alzheimer's Disease Jacqueline CHUA

Day 5
Sept 9, 2021
Thursday

Miscellaneous

Rapid Fire Glaucoma and glaucoma surgery, Retina 1 (Medical - diabetes) & Retina 3 (Surgical) Update Session

(GMT+8) 17:00 - 18:00
Livestream 3

Chair(s): Tun Wang CH'NG, Colin TAN

- 17:00 A clinical manifestation of Juvenile Onset Open Angle Glaucoma (JOAG) in Malaysia
Faisal Ariff HASSAN
- 17:05 Nasal tip port-wine stain: a predictor of surgical intervention for glaucoma in Sturge-Weber syndrome
Tun Wang CH'NG
- 17:10 Calculation Of Intraocular Lens Power And To Determine The Relationship Between Ocular Biometry And Severity Of Diabetic Retinopathy In Patients With Type II Diabetes Mellitus
Neha ADLAKHA
- 17:15 To evaluate patient compliance for prone positioning after vitrectomy surgery using an innovative device .
Ashish AHUJA
- 17:20 Pharmacokinetic Profile of the Port Delivery System With Ranibizumab (PDS) in the Phase 2 Ladder Trial and Phase 3 Archway Trial in Patients with Neovascular Age-Related Macular Degeneration
Gemmy CHEUNG
- 17:25 Faricimab in Diabetic Macular Edema: One-Year Results From the Phase 3 YOSEMITE and RHINE Trials
Xiaodong SUN

- 17:30 Exploring Angiopoietin (Ang)-2 Signaling in Vascular Stability in Patients With Diabetic Macular Edema (DME) Receiving Faricimab in Phase 2 and Phase 3 Trials
Nawat WATANACHAI
- 17:35 Risk of Normal Tension Glaucoma Progression using a Deep Learning-based Retinal Vessel Caliber Analysis: A Prospective Cohort Study
Timothy P.h. LIN
- 17:40 The efficacy of inverted internal limiting membrane peeling in management of macular hole induced retinal detachment
Dang DAT
- 17:45 Internal limiting membrane peeling in proliferative diabetic retinopathy patients undergoing vitrectomy for fibrovascular proliferation or vitreous hemorrhage
Billal HOSSAIN

Rapid Fire Orbital and Oculoplastic Surgery & Ocular Oncology and Pathology Update Session

(GMT+8) 20:45 - 21:45

Livestream 3

Chair(s): Santosh HONAVAR

- 20:45 Could collagen cross-linking treatment be a new approach to treatment in dermatochalasis patients?
Ali Mert KOCER
- 20:51 Periorbital necrotizing fasciitis in Non-COVID and COVID era
Mukti MITRA
- 20:57 Clinical Characteristics of Patients Presenting with Uveal Melanoma Metastasis: A Multicenter, International Study
Gaurav GARG
- 21:03 Bilateral conjunctival plasma cell granuloma in a young female: a rare case.
Shyam Sundar DAS MOHAPATRA

- 21:09 Clinicopathological characteristic and predictive factors associated with survival outcome after orbital exenteration in a multi-ethnic society
Dhashani SIVARATNAM
- 21:15 Is Eye Salvage Possible in Advanced Group E Retinoblastoma?
Harika REGANI
- 21:21 Targeted chemotherapy in retinoblastoma: A step forward from patient survival to globe survival
Masood NASERIPOUR
- 21:27 Changes in tear film parameters after Botulinum Toxin A Injection in Facial Dystonia
Bhavya GOKANI
- 21:33 Unparalleled Covid Associated Mucormycosis (CAM): Ocular presentations in a tertiary care centre
Usha SINGH
- 21:39 Metallic Intraorbital foreign body injuries: clinical characteristics and outcomes of 28 patients.
Jayanta DAS

Day 6
Sept 10, 2021
Friday

Rapid Fire New Approaches to Patient Management and Dealing With Unmet Need in the Era of COVID-19, Ophthalmic Epidemiology and Prevention of Blindness & Pediatric Ophthalmology and Strabismus Update Session

(GMT+8) 17:00 - 18:00

Livestream 3

Chair(s): Jason YAM

- 17:00 A Prospective Study on COVID-19 Associated Orbital Mucormycosis
Farzad PAKDEL

17:05	High Risk factors and demographic profiling of keratoconus patients who have progressed during the COVID-19 pandemic. Sriram ANNAVAJJHALA	17:50	Effects of a community-based health education intervention on eye health literacy of adults in Vietnam Prakash PAUDEL
17:10	An Algorithmic Approach to Decode Unhappy Patients Post Refractive Surgery with Regression, Glare and Asthenopic Symptoms in the COVID19 Era. Anuj SATIJA	17:55	Enhancing innate immunity in ocular surface possibly halts SARS-CoV-2 entry & transmission through ocular portals: A human globe study Pooja KHAMAR
17:15	The association of time outdoors and patterns of light exposure with myopia in children: implications for prevention Mijie LI		
17:20	A National Study of Self-inflicted Firearm-Associated Ocular Injuries Yash SHAH		
17:25	Alcohol consumption and age-related macular degeneration: A systematic review and dose– response meta-analysis Jingjing ZHANG		
17:30	40 Years of Global Retinoblastoma Epidemiology – A Systematic Review and Meta- Analysis of Associations with Socioeconomic and Healthcare Factors Wai Chak CHOY		
17:35	Anterior chamber morphology in Chinese children: a population-based study Pui Sum Christine HO		
17:40	Ocular and systemic manifestations in paediatric multisystem inflammatory syndrome associated with COVID-19 Yu-yen CHEN		
17:45	Retropupillary iris claw lenses versus Gore-tex assisted scleral fixated intraocular lenses in children with large lens subluxations Tanvi GAONKER		

E-POSTERS

Applying Big Data, Artificial Intelligence and Telemedicine in Ophthalmology in the era of COVID-19

A Deep Learning Model for AMD Classification Based on Volumetric Macular SD-OCT Scans

First Author: Ling-ping CEN

Changing Paradigms in Ophthalmic Practises Becoming Wiser

First Author: Madhav GOEL

Co-Author(s): Sonu GOEL

Deep Learning-Based Estimation of Axial Length and Subfoveal Choroidal Thickness from Color Fundus Photographs

First Author: Li DONG

Co-Author(s): Jost JONAS, Wenbin WEI

Identification of Early Keratoconus Using Artificial Intelligence Techniques

First Author: Ke CAO

Co-Author(s): Paul BAIRD, Srujana SAHEBJADA, Karin VERSPOOR

Knowledge, Attitudes, and Practices of Telemedicine in Ophthalmology in a Tertiary Hospital: A Cross-Sectional Survey

First Author: Angelica Antoinette VEGA

Co-Author(s): Sherman VALERO

Ophthalmic Findings in Rhinoorbital Mucormycosis following SARS-CoV-2 Infection

First Author: Rajwinder KAUR

Smartphone Based Monitoring of Metamorphopsia in Macular Disease: The New Normal?

First Author: Meriam ISLAM

Co-Author(s): Lucas BACHMANN, Livia FAES, Kenny LINEHARD, Dawn SIM

Strategies to Improve Glaucoma Compliance Based on Cross-Sectional Response-Based Data in a Tertiary Healthcare Center

First Author: Khaja MOINUDDIN

Co-Author(s): Dr.v.s GUPTA, Dr.monika KAPUR

Use of Inverse Finite Element Analysis and Deep Learning for Primary Angle-Closure Glaucoma Diagnosis

First Author: Satish PANDA

Co-Author(s): Tin AUNG, Michael Julien Alexandre GIRARD, Royston K TAN, Tin A. TUN

Cataract and cataract surgery

A Cost-Effectiveness Analysis of AcrySof IQ Vivity Intraocular Lens from Private Health Fund Perspective in Australia

First Author: Chandra BALA

Co-Author(s): Paul ATHANASIOV, Mukesh DHARIWAL, Amit GUPTA, Jason HOLLAND, Hemant RATHI

A Literature Review of the Clinical Evidence on Nd:YAG Laser Capsulotomy Incidence Post-Cataract Surgery in Eyes Implanted with the Clareon Intraocular Lens

First Author: Jun ZHANG

Co-Author(s): Mukesh DHARIWAL

A Literature Review to Describe Clinical Efficacy of Intraoperative Aberrometer in Challenging Patient Populations versus Standard of Care

First Author: Sun-ming PAN

Co-Author(s): Margaret AINSLIE-GARCIA, Nicole FERKO, Carine C.w. HSIAO

A Prospective, Comparative Study of the Whole Range of Vision Outcomes between a Trifocal IOL and an Extended Depth of Focus IOL (PanOptix IOL and Tecnis Symphony IOL) in a Chinese Population

First Author: Guangbin ZHANG

A Study on Glaucoma-Related Adverse Events following Congenital Cataract Surgery

First Author: Qiuxiang TANG

Co-Author(s): Xia LI

Advantages of a 3D Heads-up Digital System versus Standard Surgical Microscopes during Anterior

First Author: Valeri KOLESNITCHENKO

Co-Author(s): Jyotsna MARAM, William WILEY, Lu YIN

Analysis of Visual Outcome and the Intraoperative and Postoperative Complications in Patients with Pseudoexfoliation undergoing Manual Small Incision Cataract Surgery

First Author: Aditi GHOSH

Co-Author(s): Dr. Shivakumar CHANDRASEKARAN

Bilateral Progressive Anterior and Posterior Lenticonus: Significance and Management with Toric IOL

First Author: Vivek SINGH

Co-Author(s): Rakhi KUSUMESH, Vidya Bhushan KUMAR

Changes of the Tear Film Lipid Layer Thickness after Cataract Surgery in Patients with Diabetes Mellitus

First Author: Keke ZHANG

Clear Cornea after 4 Decades of Sputnik IOL Implantation

First Author: Chetan CHHIKARA

Co-Author(s): Rajendra Singh CHAUHAN

Clinical Efficacy of Congenital Cataract Surgery in Premature and Low Birth Weight Infants

First Author: Yiyue JIA

Clinical Evaluation of a New Hydrophobic Acrylic Intraocular Lens (Clareon) in Malaysia

First Author: Eve Lyn CHONG

Co-Author(s): Fook Meng CHEONG, Mun Wai LEE, Robert Kim Chuan YEO

Clinical Outcome of PanOptix Trifocal IOL Implantation in Chinese Elder Cataract Patients Aged 60- 79 Years Old

First Author: Chi XIAO

Comparative Evaluation of Longitudinal U/S Pulse, Burst, Ozil & Ozil-IP Mode of Phacoemulsification

First Author: Sunita MANJHU

Co-Author(s): Dr Mrs Kiran BHANOT, Dr Nawab Zishan FAROOQUI, Pooja KOTHARI

Comparing Intraoperative Aberrometry with Conventional Preoperative Planning: An Economic Analysis in Japan

First Author: Carine C.w. HSIAO

Co-Author(s): Margaret AINSLIE-GARCIA, Hang CHENG

Comparison of Postoperative Intraocular Lens Shift between Two Different Design of IOLs

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Co-Author(s): Akira MEGURO, Nobuhisa MIZUKI

Comparison of Visual Outcomes and Complications of Phacoemulsification with Intraocular Lens Implantation between Nanophthalmos and Normal Eyes

First Author: Saksakul ENGCHUAN

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Comparison of the Safety and Efficacy of Cataract Surgery Performed with the Low Energy Femtosecond Laser versus Conventional Phacoemulsification

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Conquering Iris Complications in Cataract Surgery

First Author: Jose Timothy Martin CHUA

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Effect of IOL Biomaterial on Posterior Capsule Opacification: Long-Term Real-World Clinical Practice Evidence from Large Population-Based Studies

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Effect of Pterygium on Corneal Density

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Effect on Early Ocular Blood Flow after Cataract Surgery with Different Fluidics System in High Myopia Cases

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Evaluation of Astigmatic Correction using Vector Analysis after Combined Femtosecond Laser-Assisted Phacoemulsification and Intrastromal Arcuate Keratotomy: 1-Year Outcome

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Evaluation of Short-Term Visual Outcome of a Diffractive Trifocal Intraocular Lens in Chinese High Myopic Cataract Patients

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Experience with Lucidis 124M EDOF IOLs

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Frequent Complications of Uneventful Phacoemulsification on the First Postoperative Day: To Determine the Necessity of the First-Day Review

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Improvement in Symptom Relief following a Single Dose of PG/HPG-Based Lubricant Eye Drops in Patients with Dry Eye Disease

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Intraocular Lens Placement in the Absence of Capsular Support: Visual Outcomes and Complications in a Tertiary Hospital in Manila, Philippines

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Intraoperative Findings on Ocular Blunt Trauma: Vitreous Humor Accumulation in Conjunctiva Mimicking Lens Luxation

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Iris Claw Intraocular Lens: Anterior Chamber or Retropupillary Implantation? A Systematic Review and Meta-Analysis

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Management of Postoperative Endophthalmitis after Cataract Operation in the Modern Era: Clinical Characteristics and Long-term Visual Outcome

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Management of Refractive Surprise after Phacoemulsification

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Management of Traumatic Lens Subluxation with Secondary Glaucoma

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Multi-Country Registry Assessment of Real-World Visual Performance and Patient Satisfaction Outcomes of a Novel Non-Diffractive Presbyopia-Correcting IOL

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Phacoemulsification in a Patient with Deep Brain Stimulator Implanted

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Post-Market Clinical Study of the Clareon Autonomie in an Indian Population

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Post-Operative Astigmatism in Small Incision Cataract Surgery Done by Final Year Residents

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Post-Operative YAG Capsulotomy Rates with Two Trifocal Intraocular Lenses: Review of Evidence

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Preferred Practice Patterns in Aphakia Management in India: A Survey

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Primary Calcification of a Hydrophobic IOL: Laboratory Analysis

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Research on Prediction of Effective Lens Position and Refractive Status after Cataract Surgery by Anterior Segment Analysis System

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Results of Binocular Implantation of the Small-Aperture Intraocular Lens

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Retrospective Study of the Effect of Phacoemulsification Cataract Surgery on Corneal Endothelial Cell Density and Central Corneal Thickness of 110 Cases of Cambodian Population from 1 June to 1 August 2020

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Spontaneously Late Dislocated Capsular Bag-Intraocular Lens Complex: A Pathological and Immunohistochemistry Study

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The Prevalence of Cataract and Surgery in Urban and Rural Chinese Populations over 50 Years Old: A Systematic Review and Meta-Analysis

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Two-Stage Capsulorhexis or Double Rhexis in Phaco Surgery for White Intumescent Cataracts

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Zepto Capsulorhexis during Triple Procedure Keratoplasty in Small Non-Dilating Pupil

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Co-Author(s): Sudhank BHARTI, Neha BHARTI

Cornea, External Eye Diseases and Eye Banking

12-year Analysis of Incidence, Microbiological Profiles and In Vitro Antimicrobial Susceptibility of Infectious Keratitis: The Nottingham Infectious Keratitis Study

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A Conjunctival Fibroepithelial Polyp: A Rare Case

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A Next Generation Crosslinking Calculator for Titration of Ultraviolet Energy in Thin Keratoconic Cornea: NXT UVA Calculator

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A Prospective Study on the Impact of Hydroxypropyl Guar, Borate and Hyaluronate Matrix on Protecting the Ocular Surface in Glaucoma Patients with Dry Eye Disease: A 3-Month Interim Analysis

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Acute Corneal Graft Rejection Complicated by Fungal Keratitis: Non-Steroidal Approach with Successful Outcomes

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Antimicrobial Resistance Trends in Bacterial Keratitis over 7 Years in Sydney, Australia

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Assessment of Tolerability and Ocular Comfort following Propylene Glycol/Hydroxypropyl-Guar Based Lubricant Eye Drop Use

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Association between Keratoconus and the Risk of Chronic Kidney Disease

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Aurokeratoprosthesis: Our Experiences

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Benefits and Risks of Orthokeratology Treatment: A Systematic Review and Meta-Analysis

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Challenge in Diagnosis and Management of Unilateral Subacute and Multi-Resistant Gonococcal Keratoconjunctivitis

First Author: Nur Aisyah RAHMAWATI

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Characterization of the Surface Properties of a Novel Daily Disposable, Silicone Hydrogel Contact Lens

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Clinical Characteristics and Microbiological Profile of Corneal Ulcer in Northeast India

First Author: Krati GUPTA

Co-Author(s): Balmukund AGARWAL, Kalyan DAS, Saurabh DESHMUKH, Jnanankar MEDHI

Clinical Comparison of Verofilcon A and Etafilcon A Daily Disposable Contact Lenses

First Author: Lakshman SUBBARAMAN

Co-Author(s): Bradley GIEDD, Jason MILLER

Clinical Evaluation of NS Endo-Inserter in Descemet's Stripping Automated Endothelial Keratoplasty for Non-Fuchs Bullous Keratoplasty

First Author: Hideaki YOKOGAWA

Co-Author(s): Akira KOBAYASHI, Natuko MORI, Tsubasa NISHINO, Kazuhisa SUGIYAMA

Clinical Performance of a New Daily Disposable Spherical Contact Lens

First Author: Stacie CUMMINGS

Co-Author(s): Bradley GIEDD, Christopher PEARSON

Comparative Efficacy and Safety of Ocular Lubricants Containing Hydroxypropyl Guar

First Author: Richard KARA

Co-Author(s): Margaret AINSLIE-GARCIA, Nicole FERKO, Elizabeth PERSAUD, Sruthi SRINIVASAN

Comparative Evaluation of Autologous Serum and Artificial Tears in Persistent Epithelial Defects

First Author: Gaurav SINGH

Co-Author(s): Jawahar GOYAL, Priyanka GOLHAIT, Usha RAINA

Comparison of Efficacy and Safety of Topical Tacrolimus and Cyclosporine as Treatment for Vernal Keratoconjunctivitis: A Systematic Review and Meta-Analysis

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Corneal Edema Caused by the Dislocated Dexamethasone Intravitreal Implantation in the Anterior Chamber: A Rare Case Report

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Corneal Metallic Foreign Body: Suboptimal Ocular Protection Association and Outcome after Management

First Author: Namrata SHREE

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Corneal Perforation due to Gonococcal Infection

First Author: Hartawan PUTRA

Co-Author(s): Rosy ALDINA

Corneal Topographic Changes in Siblings of Patients with Keratoconus

First Author: Shruti MOHAN

Co-Author(s): Josephine Christy SUSAI

Determining the Learning Curve in Corneal Surgery using a Microsurgical Wet Laboratory

First Author: Amir TAHER

Co-Author(s): Joanne Chow CHOW, Damien S. HUNTER, Min Sung KWON, Chameen SAMARAWICK-RAMA

Ectoparasitic Infestations of the Eye: A Case Series

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Co-Author(s): Suchitra DASH, Epsita GANTAYAT, Prangya PANDA

Efficacy and Biocompatibility Evaluation of Artificial Corneal Transplantation in Rabbit Model

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Efficacy of Umbilical Cord Blood Serum and Peripheral Blood Serum Eye Drops as Therapy in Ocular Surface Diseases

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Efficacy of a Novel Five-Flash Intense Pulsed Light Therapy Technique in Patients with Meibomian Gland Dysfunction: A Randomized Controlled Trial

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Efficient Capture of Real-World Data for Dry Eye: The Save Sight Dry Eye Registry Pilot Data

First Author: Pauline KHOO

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Endothelial Keratoplasty: Trick or Treat?

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Epithelium Basement Membrane Regeneration and Corneal Stromal Fibrosis in Rabbit's Corneal Penetrating Injury

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Goretex in Ocular Surface Disorders: A Novel Approach

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Hurler Syndrome: A Case Report

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Impact of Dry Eye Disease on Patients' Quality of Life

First Author: Richard KARA

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Impact of Keratoconus on Quality of Life: A Save Sight Keratoconus Registry Study

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Isolated Congenital Corneal Anesthesia: A Case Series

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Lineage Tracing of Gli1 Progenitor Cells in Corneal Stroma to Study Injury Induced Corneal Fibrosis

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Mixed Forms of Descemet Membrane Detachment in a Case of Ocular Acid Burn

First Author: Sohini MANDAL

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Multilayered Autologous Tenon Patch Graft and Amniotic Membrane Transplant in a Moderate-Sized Corneal Perforation in COVID-19 Pandemic Era

First Author: Arijeet ROY

Co-Author(s): Rituparna GHOSH, Dr Sangeeta KALITA, Sheesham SINGH

Ocular Manifestations in Borderline Lepromatous Type of Multibacillary Leprosy

First Author: Tifani WARDANI

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Ocular Surface Squamous Neoplasia (OSSN): A Rare Initial Presentation Prior to Diagnosis of Systemic Malignancy

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Co-Author(s): Rohanah ALIAS, Nor Akmal BAHARI, Sujaya SINGH, Lai YIN PENG

Ocular and Lymphocutaneous Sporotrichosis

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Co-Author(s): Prof Prof.Dr Mimiwati BINTI ZAHARI, Han Nie CH'NG

One Cornea Two Recipients: Killing Two Birds with One Stone

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Co-Author(s): Mariam AHMAD, Sujaya SINGH

Optimization of Storage and Transportation Conditions of Cultured Corneal Endothelial Cells for Cell-Replacement Therapy: Functional Evaluation using a Rabbit Model of Bullous Keratopathy

First Author: Hon Shing ONG

Co-Author(s): Heng-pei ANG, Jodhbir MEHTA, Gary PEH, Stephen WAHL

Outcome of Timely Air Tamponade in Descemet Membrane Detachment after Clear Corneal Incision Phaco Surgery

First Author: Ashraful Huq RIDOY

Co-Author(s): Md AMIRUZZAMAN, Mahziba CHOWDHURY, Ava HOSSAIN, Ashfia Farhin HUQ, Nayeemul HUQ

Patch Graft for Perforated Corneal Ulcers

First Author: Aditya GHORPADE

Patient and Practitioner Satisfaction with a Water Gradient Daily Disposable Contact Lens in Asia

First Author: Tim GRANT

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Prevalence of Dry Eye Prior to Cataract Surgery in a Tertiary Level Eye Hospital in Bangladesh

First Author: Mahziba CHOWDHURY

Co-Author(s): Mahbubur Rahman CHOWDHURY, Mehraj CHOWDHURY, Sharah RAHMAN, Rokhsanda REHNUMA, Ashraful Huq RIDOY

Profile of Microbial Keratitis

First Author: James LIM

Co-Author(s): Ng SOK LIN, Ngio YI CHEN, Ong ZHUAN

Radial Keratoneuritis in Acanthamoeba Keratitis

First Author: Po Yen LEE

Co-Author(s): Li-yi CHIU, Shihliang HSU, Chang-ping LIN

Recurrent Corneal Graft Melting in Ocular Graft-versus-Host-Disease

First Author: Allie LEE

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