



**WOC2016**  
Guadalajara | Feb 5-9

# World Ophthalmology Congress® of the International Council of Ophthalmology

Host: Sociedad Mexicana de Oftalmología

Co-Host: Pan-American Association of Ophthalmology

- XXXV International Congress of Ophthalmology
- XXXIII Congreso Mexicano de Oftalmología
- XXXII Pan-American Congress of Ophthalmology



## Final Program



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BARCELONA, SPAIN  
JUNE 16-19, 2018

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INTERNATIONAL COUNCIL *of* OPHTHALMOLOGY

WOC



2018

WORLD OPHTHALMOLOGY CONGRESS®

HOST: SPANISH SOCIETY OF OPHTHALMOLOGY  
CO-HOSTS: EUROPEAN SOCIETY OF OPHTHALMOLOGY AND  
SPANISH SOCIETY OF IMPLANT-REFRACTIVE OCULAR SURGERY

## ATTEND

hundreds of scientific sessions led by renowned experts.

## PARTICIPATE

in cutting-edge continuing education opportunities.

## NETWORK

with more than 15,000 attendees from over 120 countries.

## VISIT

more than 200 exhibiting companies.



## CME Accreditation

CME Certificates, which can be used as Certificates of Attendance, can be claimed by completing an online evaluation.

To claim your certificate:

1. Go to: [www.WOC2016-CMEcertificate.org](http://www.WOC2016-CMEcertificate.org)
2. Enter your email address (the same one as you used to register for the Congress) and insert your 6 digit WOC2016 delegate number as your password.
3. Check your details on the screen, make any amendments or additions required, and click “register.”
4. You will then be able to access the online evaluation. Complete all the questions, which should take approximately five minutes.
5. Once you have completed the online evaluation, you will be able to download or print your CME certificate.

You will be able to claim your CME certificate online directly between **Monday, February 8 – Friday, March 4, 2016**.

Help can be given on-site February 5–9 at the CME desk in the registration area.



### European Accreditation Council for Continuing Medical Education (EACCME)

The World Ophthalmology Congress® 2016 is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) Event Code: 13239, and is designated for a maximum of 24 European CME credits (ECMECs). Each medical specialist should claim only those credits that he/she actually spent in the educational activity. The EACCME is an institution of the European Union of Medical Specialists (UEMS), [www.uems.net](http://www.uems.net).

### Delegates from Europe

EACCME is an institution of the European Union of Medical Specialists (UEMS) and operates by reciprocal agreement for recognizing CME credits across Europe. More information can be found at: [www.uems.net](http://www.uems.net).

### Delegates from USA

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at: [www.ama-assn.org/go/internationalcme](http://www.ama-assn.org/go/internationalcme).

### Delegates from Canada

Live educational activities occurring outside of Canada recognized by the EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

### Delegates from Other Countries

CME accreditation by EACCME and ECMECs are recognized internationally by many national authorities across the globe. Please check with your local authority to confirm its validity for your purposes.

The content for this congress has been developed under the control of the Course Director and Scientific Committee Chair, Professor Dr. Clement CY Tham, The Chinese University of Hong Kong (CUHK), Ophthalmology and Visual Sciences.

No sponsoring or supporting companies have had any influence over the presentation of any aspects of this meeting. CME compliance, accreditation, and fulfilment have been facilitated by our CME partners European CME Forum.

Information is available at: [www.europeanCMEforum.eu](http://www.europeanCMEforum.eu).



## World Ophthalmology Congress® of the International Council of Ophthalmology

**Host: Sociedad Mexicana de Oftalmología**  
**Co-host: Pan-American Association of Ophthalmology**

**XXXV International Congress of Ophthalmology**  
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•XXXIII Congreso Mexicano de Oftalmología  
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**President, ICO**  
*Hugh Taylor, AC, MD*

**President, WOC2016**  
*Enrique L. Graue, MD*

**President, SMO**  
*Francisco Beltrán, MD*

**President, PAAO**  
*Eduardo C. Alfonso, MD*

**General Executive Coordinator WOC2016 / Program Editor**  
*Ricardo Trigo, MD*

**Congress Venue:**  
**ExpoGuadalajara, Guadalajara, Mexico**

**Congress Secretariat**  
**B.P. Servimed, S.A. de C.V.**  
**woc2016@servimed.com.mx**



# Table of Contents

Welcome Letters	4
General Information	10
Awards	18
Committees	24
Participating Societies	35
PAAO & SMO Special Events	43
Program Highlights	45
Schedule at-a-Glance	47
Subspecialty Day	61
Day 2	73
Day 3	117
Day 4	163
Day 5	205
E-Posters	209
Videos	299
Social Program	309
Special Events	310
Travel Tips	312
Partner Sponsored Symposia	317
Gold Level Sponsors	319
Exhibition Floor Plan	320
Partners	321
Author Index	359





Hugh R. Taylor, AC, MD

## Dear Colleagues,

It is a pleasure for me to welcome you to the 2016 World Ophthalmology Congress® (WOC) of the International Council of Ophthalmology.

This is our 35<sup>th</sup> Congress, and by attending WOC2016, you are participating in the most prestigious and longest-running international ophthalmic meeting. The first Congress was held in 1857! The WOC brings together over 135 ICO Member societies and attracts ophthalmologists from over 100 countries. At WOC2016 you will see again old friends and make connections with peers from around the world. At the same time, you will gain valuable international perspectives on the latest ophthalmic advancements.

I have been a proud participant in the ICO/WOCs since 1984, but this is my first Congress where I am attending as President of the ICO. I would like to acknowledge my predecessor, Bruce Spivey, MD, MS, MEd, and his leadership, under whose helm, the World Ophthalmology Congress has grown enormously. WOC2016 continues Bruce's legacy by showcasing world-renowned speakers and featuring ophthalmic industry with companies displaying their newest products and services. Our esteemed colleagues on the Scientific Program Committee have organized a wonderful, diverse yet comprehensive Scientific Program that covers all subspecialties of ophthalmology, as well as the advances in ophthalmic education and eye care.

The WOC is a truly global meeting, held in a different region every two years. WOC2016 is sponsored by the ICO, hosted by the Mexican Society of Ophthalmology (SMO), and co-hosted by the Pan-American Association of Ophthalmology (PAAO). The appeal of our host city, Guadalajara—the state capital of Jalisco, is undeniable. This historic city combines old-world, colonial charm with a bustling and modern metropolis. I hope you have some time to explore all this vibrant city has to offer, including its stunning cathedrals, colonial buildings, inviting plazas, colorful handcrafts, and wonderful Mexican traditions.

Along with the SMO and PAAO, I welcome you to WOC2016, and to what I am sure will be an exciting and educationally superior Congress.

## ¡Bienvenidos a Guadalajara!

Sincerely,

Hugh R. Taylor, AC, MD  
President, International Council of Ophthalmology





Enrique L. Graue, MD

## Welcome to the World Ophthalmology Congress 2016!

The Board of the International Council of Ophthalmology granted Mexico the venue of this congress in the city of Guadalajara six years ago, and immediately an international organizing committee was integrated to undertake its organization. This committee has worked tirelessly and we arrive to this moment offering an outstanding scientific program with innovative presentation formats, a rich industry participation exhibiting the current technology and ophthalmology novelties, and a series of social activities with which we can assure you a most pleasant stay in this beautiful city and in our country.

Our Mexican Society of Ophthalmology, founded in 1893, is integrated by over 3,000 ophthalmologists and groups the various state and subspecialty societies. The Society welcomes you with open arms and great enthusiasm to share experiences and offer you our hospitality.

Mexico is the 15<sup>th</sup> world economy, with over 110 million inhabitants. We are a thriving and modern nation, with a rich history and traditions. In our territory, deserts, rainforests, forests, plains and mountain ranges converge, offering a rich biodiversity. Our beaches range from the Pacific to the Atlantic and Caribbean, and are recognized worldwide as some of the best and most beautiful tourist destinations.

Mexico is also a multicultural country. Among our indigenous population, 110 native languages are spoken, and we preserve them with pride and admiration. In the central and southeastern regions, in the area known as Mesoamerica, one of the most important cultures of the world was born, and our numerous archeological areas are world heritage.

The city of Guadalajara is a melting-pot of all of this, a current and modern city with a rich colonial heritage, financial growth merged with strong traditions, some of the best mexican food and a wide range of cultural expressions, from classical music to Mariachi.

Guadalajara is Mexico.

**Welcome everyone!**

Enrique L. Graue, MD  
**President WOC2016**





Francisco Beltrán, MD

## Dear Colleagues,

It is my honor to welcome you to the 33<sup>rd</sup> Mexican Congress of Ophthalmology, co-hosted with the 35<sup>th</sup> World Ophthalmology Congress WOC2016, of the International Council of Ophthalmology (ICO) and the Panamerican Association of Ophthalmology Congress (PAAO).

This is the second time that our country has been distinguished with this honour, and this time the city of Guadalajara has been chosen as host for this worldwide, acknowledged event .

I must emphasize that Guadalajara is known for its cultural traditions, such as being the birthplace of Mariachi and Tequila, and for its cuisine. And let us not forget about its famous historical monuments, which are essential part of the attraction of this city. I invite you to enjoy as much as you can during your stay in this beautiful country.

Regarding the ophthalmology scientific world, our Mexican Society of Ophthalmology has already reached its 122<sup>nd</sup> year of existence, which allows us to confirm the genuine interest of mexican ophthalmologists in being at the forefront of this medical field.

Apart from the scientific aspect that brings us to this meeting, I do not want to ignore the enormous satisfaction for my country to receive all of you, the most representative members of the ophthalmological world.

I have no doubt that this joint meeting will give us not only knowledge, but the ability to enhance patient's care in each of our areas, our main objective, with the sharing of up to date medical expertise and top notch technology.

Personally, I would like to thank you all for being present in this magnificent event. Have complete assurance that you'll be pleased, and at the same time will have the best yet known from our world set upon your hands.

I hope you enjoy our event, welcome and thank you

**¡Gracias y bienvenidos!**

Francisco Beltrán, MD  
**President of the Mexican Society of Ophthalmology**





# Welcome Address



Eduardo C. Alfonso, MD

## Dear Colleagues,

It is with great pleasure that I welcome you to the World Ophthalmology Congress® (WOC) of the International Council of Ophthalmology (ICO) in Guadalajara, Mexico. The Pan-American Association of Ophthalmology (PAAO) is honored to serve as co-host of this esteemed event.

The PAAO and the ICO have worked closely with the Sociedad Mexicana de Oftalmología for many years to educate and bring together medical professionals from around the globe. The WOC is an outstanding Congress that provides the highest level of academic activities for ophthalmologists in all stages of their careers. It is also an excellent opportunity to exchange information with other physicians and offers the ability to share fresh ideas and approaches to patient care.

PAAO members are privileged to participate in international, national, and regional meetings that expand friendships, collaboration, partnerships, and educational opportunities. Additionally, the partnerships that we form with industry at these meetings allow our expertise to expand as we learn the newest advances in technology.

The PAAO membership joins me in welcoming you to Guadalajara. We wish you a pleasant stay in this beautiful, cultural, and vibrant city.

**¡Bienvenidos!**

Sincerely,

Eduardo C. Alfonso, MD  
**Pan-American Association of Ophthalmology President**





Clement CY Tham, BM, BCh, FCOphthHK, FRCS

## Dear Colleagues,

It is with great honor and pleasure that I welcome you to the 2016 World Ophthalmology Congress® (WOC) of the International Council of Ophthalmology (ICO), hosted by the Sociedad Mexicana de Oftalmología (SMO), and co-hosted by the Pan-American Association of Ophthalmology (PAAO), in the historic city of Guadalajara.

The Scientific Program Committee has developed an outstanding program for WOC2016, consisting of over 220 invited scientific symposia, instruction courses, debates, and clinical interest groups, presented by over 900 internationally-recognized ophthalmologists and visual scientists in 22 ophthalmic subspecialty areas.

This year, we have eight 'Special Symposia' outlining initiatives and programs of great importance to the ICO, as well as six Subspecialty Day Programs focusing on the hottest topics that are of greatest relevance to clinical ophthalmologists today.

One highlight of WOC2016 is the more than 70 scientific symposia co-sponsored by the Academia Ophthalmologica Internationalis (AOI), the major supranational member societies of the ICO, including the PAAO, the Asia Pacific Academy of Ophthalmology (APAO), the Middle East Africa Council of Ophthalmology (MEACO), and the European Society of Ophthalmology (SOE), and the many subspecialty and national member societies of the ICO.

Another highlight is the 'WOC Day of Landmark Advancements 2014–2016,' in which world-renowned experts will present the most important landmark achievements in their respective fields since the last WOC in 2014.

In addition to the exciting invited programs, we have also over 100 sessions of submitted free papers, instruction courses, and video presentations, presented by experienced clinicians and visual scientists from around the world. More than 1,000 scientific posters will be presented electronically to spark your imagination.

The WOC2016 Scientific Program will fulfill every professional and networking need of the practicing ophthalmologist, from budding trainees to top international experts.

Last but certainly not least, let me thank the Co-Chairs of the Scientific Program Committee (Dr. Lourdes Arellanes-García, Dr. Paulo Dantas, and Dr. Rafael Barraquer); the Convener of the Submitted Program Subcommittee, Dr. Martine Jager; our Program Format Development Subcommittee; the over 120 Scientific Program Coordinators and Subspecialty Liaisons; our 391 Scientific Session Chairs; our 194 Submitted Program Abstract Reviewers; the over 1000 speakers and program participants; and the ICO Scientific Program Secretariat. All worked together selflessly and tirelessly to make this world-class scientific program possible!

It has certainly been a very special privilege for me to serve the ICO and WOC in the capacity of Chair of the Scientific Program Committee. I look forward to seeing you all throughout the meeting in Guadalajara.

**Best regards,**

Clement CY Tham, BM, BCh, FCOphthHK, FRCS  
**Chair, WOC2016 Scientific Program Committee**





INTERNATIONAL  
COUNCIL *of*  
OPHTHALMOLOGY

## Building a World Alliance For Sight

### Refocusing Education, Enhancing Eye Care, and Advancing Leadership

- The ICO is a nonprofit organization composed of over 135 national and subspecialty Member societies from around the globe.
- Key ICO programs include the World Ophthalmology Congress® (WOC), ICO Fellowships, ICO Examinations, and the Teaching the Teachers initiative.
- Learn about upcoming events and the latest news in ophthalmology, educational resources, and WOC program updates by subscribing to ICO newsletters.
- Search the WOC2016 Scientific Program for ICO presentations and symposia.



LEARN MORE: BOOTH 2216



[www.icoph.org](http://www.icoph.org)

## Registration & Badge Details

On-site registration will begin on Thursday 4<sup>th</sup> February. Registration desks will be located in the Section B of the Jalisco Exhibit Hall.

The registration desks will be open during the following hours:

<b>Thursday 4<sup>th</sup> February</b>	<b>12:00 – 20:00</b>
<b>Friday 5<sup>th</sup> February</b>	<b>07:30 – 18:00</b>
<b>Saturday 6<sup>th</sup> February</b>	<b>07:00 – 19:00</b>
<b>Sunday 7<sup>th</sup> February</b>	<b>07:30 – 18:30</b>
<b>Monday 8<sup>th</sup> February</b>	<b>07:30 – 18:30</b>
<b>Tuesday 9<sup>th</sup> February</b>	<b>08:00 – 13:00</b>

People already registered must pick up their badge and congress materials at the registration area just with an ID with photograph.

Badges must be worn to enter any congress area. Misuse of it will cause the invalidation of the badge. Badge replacement for any cause will be \$40.00 USD.

## Business Center Services

Business center services are provided by most of the participating hotels and by ExpoGuadalajara. Additional costs may apply.

## Venue Access

There are 3 ways to access ExpoGuadalajara. Those arriving by shuttle bus will be dropped off at the assigned area behind the registration desks. People staying at the nearby hotels at walking distance may enter either by the main entrance or through the doors in front of the Hilton and Westin hotels.

## Use of Photography & Recordings

Photography in public areas is allowed. To get pictures from a booth an authorization from the company representative is needed.

Pictures and videorecording inside the session rooms is not allowed.

## Emergency Contact Information & Health-care Details for WOC Venues

WOC2016 has hired Mobile Health for any medical emergency that happens within ExpoGuadalajara. phone number is 3810 2448. Look for the signs within ExpoGuadalajara to find the Doctor's office

## Hospitals nearby

Hospital Real San José  
Dirección: Calz. Lázaro Cárdenas 4149,  
Jardín de San Ignacio, 45040  
Zapopan, Jal.  
Tel: (+52) (33) 1078 8900

Hospital Santa María Chapalita  
Av. Niño obrero num. ext. 1666 col. Chapalita,  
45040  
Zapopan Jalisco  
Tel: (+52) (33) 3678 1400

## Police telephone numbers

060  
080

## Emergency line

066

## Red Cross

065

## ATM

ATM machines are located next to Salón de Eventos in ExpoGuadalajara

## Charging stations

Charging stations will be located in WOC Plaza at the center of the exhibition hall



## Shuttle Bus Schedule

Official hotels not at a walking distance from ExpoGuadalajara, will have continuous shuttle service to the venue. Look for the schedule and details in the entrance of each hotel.

ROUTE	HOTELS	FREQUENCY
WALKING	HILTON	
	REAL INN	
	IBIS	
	WESTIN	
	GUADALAJARA PLAZA EXPO	
ROUTE 1	FIESTA INN	Every 15 minutes from 6 am to 9 am.
	CELTA	
	HOLIDAY INN GDL EXPO (PREVIOUSLY CROWNE PLAZA)	
	WYNDHAM GARDEN GUADALAJARA EXPO (PREVIOUSLY CROWNE PLAZA)	
	HOLIDAY INN EXPRESS GDL EXPO	
ROUTE 2	GUADALAJARA PLAZA EJECUTIVO LOPEZ MATEOS	Every 30 minutes from 9 am to 5 pm.
	PRESIDENTE INTERCONTINENTAL	
	ARRIVA	
ROUTE 3	HOLIDAY INN SELECT	Every 15 minutes from 5 pm to 7 pm
	RIU	
ROUTE 4	CAMINO REAL	
	FIESTA AMERICANA GUADALAJARA	
ROUTE 5	ALOFT (PICK UP FIESTA AMERICANA GRAND)	
	FIESTA AMERICANA GRAND	
	QUINTA REAL	
ROUTE 6	LAFFAYETTE	



# General Information

## ExpoGuadalajara Floor Plan: Main Level

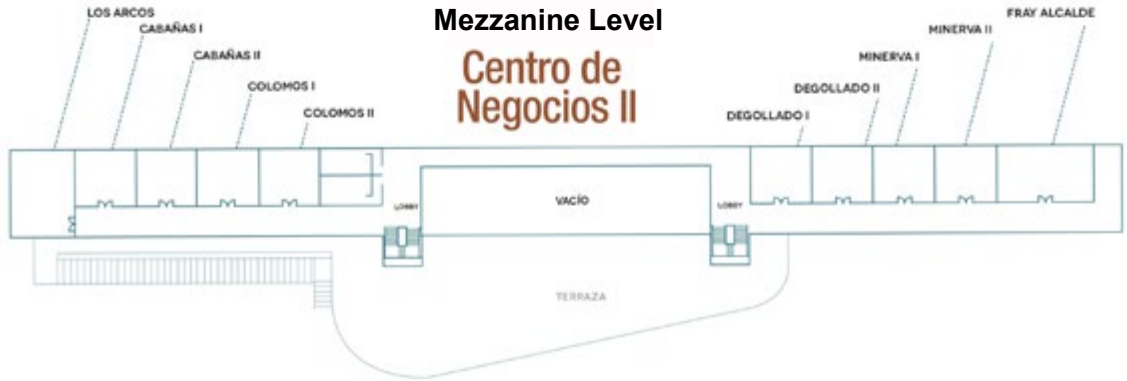
### Main Level



### Mezzanine Level Centro de Negocios I



### Mezzanine Level Centro de Negocios II



General Information



## ExpoGuadalajara Floor Plan: Upper Level

Upper Level



General Information



## PARTICIPATING HOTELS

HOTEL	ADDRESS	TELEPHONE
ALOFT GUADALAJARA	Av. De las Américas 1528 Col. Country Club Guadalajara Jalisco Mexico 44610	(+52) (33) 1598 8800
ARRIVA EXPRESS PLAZA DEL SOL	Av. López Mateos 2375 Col. Ciudad del Sol Guadalajara Jalisco Mexico 45050	(+52) (33) 3880 0600
CAMINO REAL GUADALAJARA	Av. Vallarta 5005 Col. Chapalita Guadalajara Jalisco Mexico 45040	(+52) (33) 3134 2424
CELTA	Av. Mariano Otero 1570 Col. Fracc. Rinconada del Sol Zona Centro Guadalajara Jalisco Mexico 45055	(+52) (33) 3880 0222
FIESTA AMERICANA GDL	Av. Aurelio Aceves 2 Col. Vallarta Poniente Guadalajara Jalisco Mexico 44110	(+52) (33) 3818 1400
FIESTA AMERICANA GRAND GDL	Av. Américas 1551 Col. Providencia Guadalajara Jalisco 44630	(+52) (33) 3648 3500
FIESTA INN GUADALAJARA EXPO	Av. Mariano Otero 1550 Col. Rinconada del Sol Guadalajara Jalisco Mexico 45055	(+52) (33) 3669 3200
GUADALAJARA PLAZA EJECUTIVO	Av. López Mateos Sur 2128 Col. Chapalita Guadalajara Jalisco Mexico 44510	(+52) (33) 3208 4400
GUADALAJARA PLAZA EXPO	Av. Mariano Otero 3261 Col. Verde Valle Guadalajara Jalisco Mexico 44550	(+52) (33) 3669 0215
HILTON GUADALAJARA	Av. De las Rosas 2933 Col. Rinconada del Bosque Guadalajara Jalisco Mexico 44530	(+52) (33) 3678 0505
HOLIDAY INN EXPRESS GDL EXPO	Mariano Otero 2397 Col. Fracc. Residencial Victoria Guadalajara Jalisco Mexico 44550	(+52) (33) 5000 8080
HOLIDAY INN GUADALAJARA EXPO	Av. López Mateos Sur 2500 Esq. Avenida Mariano Otero Col. Ciudad del Sol Zapopan Jalisco Mexico 45050	(+52) (33) 3634 1034
HOLIDAY INN SELECT GDL	Av. Niños Heroes 3089 Esq. López Mateos Col. Jardines de los Arcos Guadalajara Jalisco Mexico 44500	(+52) (33) 3122 2020
IBIS GUADALAJARA EXPO	Av. Mariano Otero 1390 Col. Jardines del Bosque Guadalajara Jalisco Mexico 44520	(+52) (33) 3880 9600
HOTEL LAFFAYETTE	Av. La Paz 2055 Col. Americana 44140 Guadalajara Jalisco Mexico 44510	(+52) (33) 3669 5050
PRESIDENTE INTERCONTINENTAL GDL	Av. López Mateos y Moctezuma Col. Ciudad del Sol Guadalajara Jalisco Mexico 45050	(+52) (33) 3678 1234
QUINTA REAL GUADALAJARA	Av. Mexico 2727 Col. Vallarta Norte Guadalajara Jalisco Mexico 44690	(+52) (33) 3669 0600
REAL INN GUADALAJARA EXPO	Av. Mariano Otero 1326 Col. San Diego Chapa Guadalajara Jalisco Mexico 44510	(+52) (33) 3880 7700
RIU PLAZA GUADALAJARA	Av. López Mateos 830 Fraccionamiento Chapalita Guadalajara Jalisco Mexico 44500	(+52) (33) 3880 7500
THE WESTIN GUADALAJARA	Av. De las Rosas 2911 Col. Rinconada del Bosque Guadalajara Jalisco Mexico 44530	(+52) (33) 3880 2700
WYNDHAM GARDEN	Av Mariano Otero 3875, Col. Ciudad del Sol Zapopan, Jalisco 45050	(+52) (33) 3634 1000





## Information for Speakers and Session Chairs

### IMPORTANT NOTE

All presentations must be given using the computer provided in the assigned rooms (digital presentation). Please note that no overhead slide projectors (OHP) or VHS video equipment will be available.

### Conflict of Interest

All authors must provide full disclosure regarding the absence or presence of conflict of interest with companies related to their presentations and sponsored seminars. Should an author have any conflict of interest to disclose, the categories and names of relevant companies should be stated in the second slide of the presentation or at the end of a poster, as shown in the example below. Should no author have any conflict of interest to disclose, a statement should be provided communicating the absence of any conflict of interest. These rules are applicable to all presentations and sponsored seminars.

Example:

- [Conflict of interest: Relevance] Present
- Taro Nichigan: [F] xx Pharmaceuticals
- Hanako Nichigan: [I] xx Medical system

### Speaker Ready Room

There are three speaker ready rooms at ExpoGuadalajara: one outside the registration area, one in the foyer of Salón de eventos and the last one inside the Guadalajara room. You can go to any of them since they are fully connected through a network.

Presentation data cannot be accepted in the session halls/rooms. Please make sure to upload your presentation data prior to the Congress. In the case that you have videos within your presentation, please come to the Speaker Ready Room and check your data before your presentation.

The Speaker Ready Room will be open on the following hours:

Thursday, February 4<sup>th</sup>, 12:00 to 20:00

Friday, February 5<sup>th</sup> to Monday February 8<sup>th</sup> from 7:00 to 18:00

Tuesday, February 9<sup>th</sup>, 7:00 to 13:00

Please provide your presentation data at least one hour before the start of your presentation. Please refer to the following instructions and save your data on a USB flash memory stick before bringing it to the Speaker Ready Room.

### Presentation Format

Acceptable data formats for presentations are as follows:

Windows: PowerPoint 2007, 2010, 2013

Note: Presentations created using Macintosh PowerPoint should be checked for compatibility with Windows PowerPoint prior to providing such data.

In the interest of legibility, we recommend that presentations be submitted with the following fonts: Arial; Calibri, Batang.

Should your presentation include movie files, please ensure compatibility with the following applications: Windows: Windows Media Player (WMV format is recommended), Macintosh: QuickTime Player.

Please note that if your presentation includes links to external data, such as movie files or charts, all such data should be stored within your presentation and the functionality of such data should be checked prior



to your presentation. If you use PowerPoint 2010 or 2013, we highly recommend you to embed movie files in your PowerPoint. All data received will be deleted by the organizer following the meeting.

## For Presenters Using Their Own Computers (Windows or Macintosh)

1. Please come to the Speaker Ready Room at least four hours before your session.
2. Please check your cable connections with a test monitor at the Speaker Ready Room. Please note that VGA cables will be available. Please bring any additional VGA adapters or connectors, should you require them.
3. Please confirm that all data appears correctly on an external monitor and familiarize yourself with the connection method and OS of the computer you will be using.
4. Please create a shortcut or alias such as 'Abstract No. 000 Your name' on your computer's desktop.
5. Ensure the resolution of your screen is set to XGA (1024 x 768). Should your resolution be set higher or lower than this, image quality may be affected.
6. Should your presentation include moving images, please inform us upon arrival at the Speaker Ready Room.
7. Please switch off the screen saver and power saving function beforehand.
8. Please disable the password function for start-up.
9. Please be sure to bring your own AC adapter to make use of power on site. Please also bring a foreign adapter plug for an A type outlet, if needed.
10. Please hand your computer to the staff at the PC Desk of your seminar hall/room 20 minutes prior to your presentation. The PC Desk is located at the back of the room inside each hall/room. Computers can be brought to the PC Desk staff even during the presentations of other participants. The PC Desk staff will then check to ensure that all data appears on the monitor. During your presentation, please use the LCD monitor keyboard and the mouse provided on the lectern.
11. Please be sure to have a back-up file of all data.
12. Please note that data cannot be amended at the PC Desk of your seminar hall/room.
13. Following your presentation, please come to the PC Desk to pick up your computer. Please come to pick up your computer promptly as desk space is limited.

## Notes for Preparing Presentation Slides

Please prepare PowerPoint slides which are ophthalmology-based and easy to understand.

1. All authors must disclose the presence or absence of conflict of interest with companies related to their presentation in the second slide.
2. Please place reasonable spaces between characters as insufficient spaces may make your presentation more difficult to read for those with imperfect sight.
3. Please ensure that the number of slides is appropriate for your presentation, and allow enough time for the audience to read and understand the contents of each slide before moving on to the next.



## WOC Meeting Sites 1858–2020

2020	Cape Town, South Africa
2018	Barcelona, Spain
2016	Guadalajara, Mexico
2014	Tokyo, Japan
2012	Abu Dhabi, United Arab Emirates
2010	Berlin, Germany
2008	Hong Kong, China
2006	Sao Paulo, Brazil
2002	Sydney, Australia
1998	Amsterdam, Holland
1994	Toronto, Canada
1990	Singapore
1986	Rome, Italy
1982	San Francisco, United States of America
1978	Kyoto, Japan
1974	Paris, France
1970	Mexico City, Mexico
1966	Munich, Germany
1962	New Delhi, India
1958	Brussels, Belgium
1954	Montreal, Canada, and New York, United States of America
1950	London, England
1937	Cairo, Egypt
1933	Madrid, Spain
1929	Amsterdam, La Hague, Holland
1922	Washington, DC, United States of America
1909	Naples, Italy
1904	Lucerne, Switzerland
1899	Utrecht, Germany
1894	Edinburgh, Scotland
1888	Heidelberg, Germany
1880	Milan, Italy
1876	New York, United States of America
1872	London, England
1867	Paris, France
1862	Paris, France
1857	Brussels, Belgium





## The 2016 Jules François Golden Medal is awarded to **Clare Gilbert**

### Jules François Golden Medal

The Jules François Golden Medal is awarded every four years by the Board of the International Council of Ophthalmology (ICO) to an ophthalmologist doing outstanding work of highest scientific quality in a subspecialty of ophthalmology not covered by the other ICO Medals, such as hereditary diseases, pediatrics and strabismus, oculoplastics, or neuro-ophthalmology. The recipient of the Jules François Medal will deliver a lecture in commemoration of Professor Jules François at the annual congress of the Belgian Ophthalmological Societies, Ophthalmologica Belgica.

### Honoree: Clare Gilbert, MB ChB, FRCOphth, MD, MSc

Professor Clare Gilbert initially trained as a vitreoretinal surgeon in the United Kingdom. Since 1990 she has worked at the International Centre for Eye Health at the London School of Hygiene & Tropical Medicine, where she co-directs the group of academics working on eye health, focusing on low and middle income countries. Her roles include operational and epidemiological research, teaching and supervising students on the Masters in Public Health for Eye Care, supervising PhDs students, providing input to the planning and evaluation of eye care programmes, and providing technical advice to international non-governmental organizations and other agencies who support prevention of blindness.

Professor Gilbert's main research interest is blindness in children in low and middle income countries, and she has undertaken studies in collaboration with colleagues in Latin America, Africa, and Asia. Current projects include the evaluation of integrating primary eye care for children into maternal and child health clinics in Tanzania, clinical trials for refractive error in Indian school children, and an analysis of factors that led to the decline in blindness in Argentina due to retinopathy of prematurity. She also has two Nigerian PhD students who are investigating different aspects of glaucoma in adults, including a randomized trial to assess whether motivational interviewing improves uptake of surgery or laser treatment. Professor Gilbert has published 20 book chapters and has over 200 publications in peer-reviewed journals.

Professor Gilbert is a research advisor in eye health for Sightsavers, a member of the Advisory Board of the Vision Impact Institute, senior advisor for the U.S. Agency for International Development Child Blindness Program, and scientific advisor to the Queen Elizabeth Diamond Jubilee Trust (the Trust). She is currently assisting the Trust to plan and implement two five-year programs in India, in partnership with the Public Health Foundation of India: one for the control of retinopathy of prematurity and the second for diabetic retinopathy.

Professor Gilbert has received the American Academy of Ophthalmology's International Prevention of Blindness Award (2011), Lighthouse International's Pisart Vision Award (2012), and the L'Occitane Foundation's Sight Award (2014).





## The 2016 Bietti Medal is awarded to **Sir Peng Tee Khaw**

### **Bietti Medal**

The Bietti Medal is awarded every four years to a distinguished ophthalmologist doing outstanding work in glaucoma in recognition of scientific and educational contribution in ophthalmology, and for facilitating international communications in the ophthalmic community. The Award is supported by the Fondazione Bietti and the selection is made by the International Council of Ophthalmology (ICO). The recipient will be received by the Fondazione Bietti in Rome, where they will deliver a memorial lecture in commemoration of G.B. Bietti, an internationally known ophthalmologist, researcher, and clinician.

### **Honoree: Peng Khaw, PhD, FRCS, FRCP, FRCOphth, FRCPATH, FRSB, FCOptom (Hon), DSc, FARVO, FMedSci**

Professor Sir Peng Khaw trained in general medicine and ophthalmology. During his Wellcome Clinician Scientist Fellowship, he completed a PhD in cellular and molecular biology of tissue repair at the UCL Institute of Ophthalmology in the United Kingdom (UK) and University of Florida, USA. He also trained in adult and pediatric glaucoma.

Professor Khaw has interests in anti-scarring therapies, surgical therapies for adult and childhood glaucoma, and optic nerve regeneration. He has developed surgical techniques, including the Moorfields Safer Surgery System, which have improved the safety and outcomes of antimetabolite-assisted trabeculectomy, especially reducing bleb-related endophthalmitis and blebitis. His work was chosen as the ophthalmology high-impact case study for the 2014 UK Research Assessment Exercise publication. With his research team, he has developed anti-scarring regimens that have led to international clinical trials.

He has recently proposed the 10-10-10 challenge for glaucoma worldwide: an intraocular pressure of 10 mmHg for 10 years done in 10 minutes. He is currently developing new anti-scarring drugs and delivery systems, as well as drainage devices. In 2015, Professor Khaw published the 'energy' theory of glaucomatous axonopathy, helping move towards stem cell regenerative therapies for the optic nerve.

Professor Khaw is the Director of the UK National Institute for Health Research (NIHR) Biomedical Research Centre at Moorfields Eye Hospital and UCL Institute of Ophthalmology. He was the first British president of the Association for Research in Vision and Ophthalmology (ARVO). His publications include over 540 papers, chapters and books, and he has helped to raise more than \$150 million for clinical and research facilities, including the children's eye hospital and the clinical research centre at Moorfields, which are both the largest in the world. He sits on the Queen Elizabeth Diamond Jubilee Trust Scientific Advisory Board, which has decided to spend 80% of its projected \$100 million in funds on eye disease in the developing world.

He and his group have won prestigious awards, including the first international ARVO/Pfizer Ophthalmic Translational Research Award; Alcon Research Institute Award; Sir Stewart Duke Elder Lecture and Medal, Royal College of Ophthalmologists; 12th Lang Lecture and Medal, Royal Society of Medicine; 23rd Dame Ida Mann Lecture, Oxford University; Ostbaum Lecture, American Society of Cataract and Refractive Surgery; 25th Anniversary Gold Medal of the Saudi Ophthalmological Society; Jubilee Lecture of the Swedish Medical Society; and the Hunterian Professorship at the Royal College of Surgeons of England.

He has been in The Times Magazine list of Britain's Top 100 Doctors for adults and children. He was elected to the British Academy of Medical Sciences in 2003, and appointed as one of 200 UK NIHR Senior Investigators in all specialities. In 2013, Professor Khaw was knighted in the Queen's Birthday Honours for services to ophthalmology.





## The Tadeusz Krwawicz Gold Medal is awarded to **Marie-José Tassignon**

### The Tadeusz Krwawicz Gold Medal

The Tadeusz Krwawicz Gold Medal is awarded every four years by the International Council of Ophthalmology (ICO) to an ophthalmologist who has significantly contributed to the advance of ophthalmology, doing outstanding work in cornea, cataract surgery, especially operative treatment of diseases of the anterior segment and/or introduction of new technologies, and to the advancement of international relationships among ophthalmologists. Professor Tadeusz Krwawicz was a Polish ophthalmologist who developed break-through treatments for eye disease and furthered world ophthalmology. The recipient will deliver the Tadeusz Krwawicz Memorial Lecture at the national meeting of the Polish Ophthalmological Society.

### Honoree: Marie-José Tassignon, MD, PhD, FEBO

Marie-José Tassignon was born in 1952 in the French speaking part of Belgium, where she was raised in French by her father and in Dutch by her mother. She completed her studies and earned her medical degree at the Free University of Brussels. She defended her PhD thesis in Leiden, Netherlands, in 1990, and was appointed Chief of the Department of Ophthalmology of the Antwerp University Hospital and Chair of the Department of Ophthalmology of the Faculty of Medicine of the University of Antwerp in 1991. In 2007, Dr. Tassignon became Medical Director of the Antwerp University Hospital after having been Vice-Dean of the Faculty of Medicine of the University of Antwerp from 2003 to 2006. She has been Full Professor at the University of Antwerp since 2003 and is closely involved in the national trainees educational program.

She was President and Past-President of the European Society of Cataract and Refractive Surgeons from 2004 until 2007 and was President and Past-President of the European Board of Ophthalmology from 2007 until 2008. She is a member of 18 international societies in ophthalmology and a board member for five of the societies. She was elected Chair "L" of the International Academy of Ophthalmology in 2007 and was elected Chair "V" of the European Academy of Ophthalmology in 2008. She became an alumna of Pretoria University of South Africa in 2008 and full member of the Ukraine Academy of Medicine in 2012. She became a member of the Royal Academy of Medicine of Belgium in 2009.

Dr. Tassignon has had seven patents approved, out of which came the patent for the original lens design of the bag-in-the-lens implantation technique and the caliper ring to perform a calibrated anterior capsulorhexis. This lens was commercialized in Belgium in 2004 and is currently being accepted worldwide as a technique to eradicate posterior capsule opacification. The technique is popular with pediatric cataract surgeons, since it reduces the number of surgical interventions in babies and children. The technique also appeals to vitreoretinal surgeons because it keeps the visual axis free, and it also valuable for complex optics intraocular lenses, since it allows customized intraocular lens centration. New patent applications are in the pipeline to improve surgical techniques and patient outcomes.

Dr. Tassignon is author/co-author of 248 publications and 23 chapters in 21 books. She is a mother of two and grandmother of three, and as an ophthalmic surgeon, Dr. Tassignon is dedicated to patients from 0 to 100 years of age.





## The Bruce Spivey Ophthalmic Education Award is awarded to **David Taylor**

### **Bruce Spivey Ophthalmic Education Award**

The Bruce Spivey Ophthalmic Education Award recognizes the contributions of Professor Emeritus Bruce Spivey to ophthalmic education worldwide. The Award is presented by the International Council of Ophthalmology (ICO) Board of Trustees every four years. The Award is presented to an ophthalmologist doing outstanding work in global education who, through innovation, development, or application, has significantly advanced ophthalmic education in a manner that enhances eye care and the preservation of vision. The recipient is invited to present the Bruce Spivey Lecture on an education-related topic or an alternate topic of his or her choice at a luncheon or other plenary session of the World Ophthalmic Education Colloquium during the World Ophthalmology Congress.

### **Honoree: David S. Taylor, FRCOphth, DSc(Med)**

David Taylor is Professor Emeritus of the Institute of Child Health at the University College London and is past Director for Examinations of the International Council of Ophthalmology (ICO). He is a co-author of the widely respected and highly reviewed Pediatric Ophthalmology and Strabismus, 4th Edition. He describes this experience of working with over a hundred of the best pediatric ophthalmologist authors as a joy and privilege.

Professor Taylor was born in Australia, spent his early years in Asia, and was educated in England. He attended the University of Liverpool School of Medicine, where medical and surgical house jobs soon led to ophthalmology training, first at St. Paul's Eye Hospital, Liverpool, then Great Ormond Street Hospital, and Moorfields Eye Hospital in London. His experience in pediatric and neuro-ophthalmology was enhanced by an observership in Washington, D.C. and a fellowship at the University of California, San Francisco. Professor Taylor was appointed to Great Ormond Street Hospital for Children and The National Hospitals for Neurology and Neurosurgery in London in 1976.

Professor Taylor's clinical interests include pediatric neuro-ophthalmology, developmental problems, cataract, and metabolic diseases. He has been awarded £5.3M in grant and capital funding, authored over 150 papers in peer-reviewed journals, presented 19 named lectures, received 14 medals, and has done 14 visiting professorships.

As Director for the ICO Examinations committee, Professor Taylor concentrated on modernizing, developing, rationalizing, and promoting the ICO's current examinations and developing new examinations. His successful aim was to produce a world class, universally affordable and economically run series of ophthalmology examinations that support improvements in standards of ophthalmology practiced worldwide.

Professor Taylor and his wife, Anna, were married in Sussex, England, in 1969. They have sons Matthew and Nicholas and four grandchildren. Interests outside of ophthalmology include forestry, tennis, growing vegetables, and sailing.





## The Mark Tso Golden Apple Award is awarded to

**Richard Abbott, MD**

### Mark Tso Golden Apple Award

The Mark Tso Golden Apple Award is presented to an ophthalmologist doing outstanding work in regional training who is recognized for innovation and leadership in ophthalmic education within each of the four supranational regions. The Award intends to recognize an ophthalmologist who has demonstrated innovation or exceptional achievements in ophthalmic education, and/or advanced, advocated and worked towards improvement of education in the region. The award recipient presents a lecture at the World Ophthalmology Congress. Mark Tso was the International Council of Ophthalmology (ICO) Vice-President 1998-2006 and served as Director for Education until 2012. Professor Tso's dedication to ophthalmic education deeply influenced the ICO educational efforts and is honored through this award.

### Honoree: Richard L. Abbott, MD

Dr Abbott currently is the Thomas W. Boyden Health Sciences Professor of Clinical Ophthalmology at the University of California, San Francisco (UCSF) and Research Associate at the Francis I. Proctor Foundation. He is the former Co-Director of Corneal and Refractive Surgery and was responsible for establishing the refractive surgery clinical and research program at UCSF.

After completing his Bachelor of Science degree at Tufts University in Boston, Dr. Abbott earned his medical degree at the George Washington University School of Medicine in Washington, D.C. He performed his residency at the California Pacific Medical Center in San Francisco and was a Heed and Fight for Sight fellow at the Bascom Palmer Eye Institute in Miami, Florida.

Dr. Abbott has served on the editorial boards of several U.S. ophthalmic journals, as well as currently serving on the editorial boards of numerous international journals. He lectures and publishes on a variety of topics focusing primarily on corneal and external diseases of the eye, as well as quality of care, patient safety, clinical practice guidelines, and medicolegal issues. Dr. Abbott currently is the Senior International Advisor for the Asia Cornea Society Infectious Keratitis Study. He has authored or co-authored 90 publications and 32 book chapters and has delivered over 750 invited lectures and 29 named lectures. In addition, he served on the ophthalmic devices advisory panel of the FDA.

Dr. Abbott has received numerous honors, including the U.S. President's 25 year Volunteer Service Award; the Sir Stuart Duke Elder International Gold Medal; the International Golden Service Award from the Chinese Academy of Ophthalmology; the José Rizal Medal for International Service to the Asia-Pacific region from the Asia Pacific Academy of Ophthalmology; the AE Maumenee Pan American Medal for Distinguished Service to Latin America from the Pan American Association of Ophthalmology; the Asia Pacific Cornea Foundation Medal from the Asia Pacific Cornea Society; and the Lifetime Achievement Award from the American Academy of Ophthalmology (AAO).

Dr. Abbott is Past President of the AAO and the Past President of both the Pan American Association of Ophthalmology and the Pan American Ophthalmological Foundation. He currently serves as the Secretary for Global Alliances for the AAO. Dr Abbott is past Chairman of the Board of the Ophthalmic Mutual Insurance Company and a former Director of the American Board of Ophthalmology. He is a past Board Director for the International Council of Ophthalmology and currently serves as Chairman of the Clinical Practice Guidelines Committee. Dr Abbott is recognized in Who's Who in America, Who's Who in the World, and Best Doctors in America. He has been elected as a member of both the American Ophthalmological Society and Academia Ophthalmologica Internationalis, an international body committed to global vision research, education, and service. He lives in Mill Valley, California, with his wife, Cecilia. They have three children and five grandchildren.







**La Medalla Gradle para la buena enseñanza es para**

**Dr. Rafael Sánchez Fontán**

## **Asociación Panamericana de Oftalmología, Medalla Gradle para la buena enseñanza (Gradle Medal for good teaching)**

La Medalla Gradle para la buena enseñanza fue fundada en 1960 por la Sra Audry Hayden Gradle en memoria de Harry S. Gradle, MD, co-fundador de la Asociación Panamericana de Oftalmología. La Medalla Gradle para la buena enseñanza reconoce la excelencia en la enseñanza y la educación en el campo de la oftalmología. Este premio reconoce a un profesor de oftalmología que haya demostrado su liderazgo en el desarrollo, implementación o mantenimiento de un programa de entrenamiento excepcional y / o educación continua en el campo de la oftalmología. El elegido ejemplifica la excelencia y promueve las mejores prácticas en la educación, promueve relaciones positivas entre el programa de formación y de la comunidad y ha sido un defensor y líder en el campo de la oftalmología.

### **Dr. Rafael Sánchez Fontán**

El Dr. Rafael Sánchez Fontán cursó la carrera de medicina en la Facultad de Medicina de la Universidad Nacional Autónoma de México de 1958-1964. Su examen profesional y titulación como médico cirujano fue el 15 octubre de 1964.

Ingresó a la residencia en oftalmología del Hospital de la Asociación Para Evitar la Ceguera en 1964 y la concluyó en 1966. De 1967 a 1969 realizó la especialidad en glaucoma en el mismo hospital de la Asociación Para Evitar la Ceguera en México con el Dr. Virgilio Morales Ledesma. Posteriormente amplió su entrenamiento en estancias con el Dr. Robert Shaffer en San Francisco, con el Dr. Stephen Drance en Vancouver y con el Dr. Roberto Simmons en Boston, entre otros.

Fungió como médico adscrito del Hospital de la Asociación Para Evitar la Ceguera en México a partir de 1970 y fue subdirector de 1971 a 1983 y director de 1984 a 1989. Jefe de enseñanza de 1990 a 2002. Es presidente del patronato desde 2002. Desde 1989 ha supervisado más de 100 campañas de cirugía extramuros de catarata y estrabismo de la APEC. Fue profesor en oftalmología de la Facultad de Medicina de la UNAM, de 1968 hasta su jubilación en 2014 (46 años).

En su larga trayectoria académica ha ocupado entre otros cargos: Presidente de la Sociedad Mexicana de Oftalmología en 1986, miembro del Comité Ejecutivo (1979-1981) y ExPresidente de la Asociación Panamericana de Glaucoma, Presidente del XXVII Congreso Panamericano de Oftalmología celebrado en Cancún en 2007. Miembro fundador y 1er Presidente (1979 – 1981) de la Asociación Mexicana de Glaucoma, hoy Colegio Mexicano de Glaucoma, Presidente del XXXII Congreso Mexicano de Oftalmología, Miembro fundador y Presidente del Consejo Mexicano de Oftalmología (1994 – 1996). Es miembro fundador y vocal del consejo ejecutivo de la Asociación Mexicana de Instituciones de Asistencia Privadas (AMIAP).

A través de los diferentes cargos que ha ocupado durante 50 años en la Asociación para Evitar la Ceguera en México, ha logrado con esfuerzo y entrega incondicional que el hospital sea hoy uno de los más prestigiados centros de atención oftalmológica de Latinoamérica, siempre contando con el mejor equipo humano y la más alta tecnología que aseguran una atención de gran calidad para los pacientes. Y como hospital de enseñanza y bajo su liderazgo, se ha entrenado a más de cuatrocientos oftalmólogos en las diversas ramas de alta especialidad.



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 Ahmed El Massry  
 Vishal Jhanji (Subspecialty Liaison)  
 Naoyuki Maeda

### Cornea Subspecialty Day

Guillermo Amescua (Subspecialty Liaison)  
 Joséph Frucht-Pery  
 José Guell  
 Tito Ramírez  
 Mark Mannis

### Glaucoma Subspecialty Day

Neeru Gupta  
 Jost Jonas  
 Olusola Olawoye  
 Ki Ho Park  
 Sung Chul Park (Subspecialty Liaison)  
 Jesús Jiménez

### Orbital and Oculoplastic Surgery Subspecialty Day

Amal Bukhari  
 Ariel Ceriotto  
 Kelvin Chong (Subspecialty Liaison)  
 Fernando Colombo  
 Christoph Hintschich  
 Reynaldo Javate

### Pediatric Ophthalmology and Strabismus Subspecialty Day

Sonal Farzavandi  
 Ngoy Kilangalanga  
 Rosario Gómez  
 Christie Morse  
 Claudia Murillo  
 Jason Yam (Subspecialty Liaison)

### Retina Subspecialty Day

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*Magdalena García*

*Lulu Ululani Gurría*

*Azfar Nafees Alam Hanfi*

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Robert Ritch  
Muntasir Bin Shahid  
Rakshya Panta Sitoula  
Clement Tham  
Mauricio Turati  
Gonzalo Vargas  
Ningli Wang

## Interdisciplinary

Lasisi Akinola Muideen

## Low Vision and Rehabilitation

Ger van Rens

## Neuro-Ophthalmology

Tatiana Cevo  
Carmen Chan  
Zia Chaudhuri  
Karl Golnik  
Cristian Luco  
Pinar Aydin Odwyer  
Olufunmilola A. Ogun

## Ocular Imaging

Mariana Mayorquín

## Ophthalmic Epidemiology

Yannick Bilong

## Ophthalmic Oncology

Manabjyoti Barman  
Rubens Belfort  
Vicktoria Vishnevskia Dai  
Jacob Pe'er  
Rustam Usmanov

## Ophthalmic Pathology & Microbiology

María Paula  
Dolores Ríos y Valles

## Orbital, Oculoplastic, and Lacrimal Diseases

Cheng Chi On Andy  
Cat Burkat  
Senthilnathan Chittam  
Kelvin Chong  
Edak Ezeanosike  
Meseret Kassa  
Hunter Yuen Kwok Lai  
Emmy Li  
Elena Mermeklieva  
Muhammad Moin  
Bipasha Mukherjee  
Ángel Nava  
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Lila Raj Puri  
Mohamed Saad  
Mohamed Rashad  
Samin Sadiq  
Purnima Rajkarnikar Sthapit  
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Elena Utkina

## Pediatric Ophthalmology and Strabismus

Dupe Ademola  
Kahindo Kahatane Alexis  
Emin Alihuseynli  
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Diego Puertas  
Marlyanti Nur Rahmah  
Abu Raihan





Raed Shatnawi  
Bhamy Hariprasad Shenoy  
Jason Yam

## Refractive Surgery

Roberto Jiménez  
Alejandro Lichtinger  
Salah Mahjoub  
Rafael Morcillo  
Arturo Ramírez

## Retina

Alex Nyemazi  
Sandeep Bachu  
Rajani Battu  
Ramón Bobadilla  
Marten Brelen  
Thiago Cabral  
Lala Ceklic  
Bhuvan Chanana  
Jay Chhablani  
Jean-Jacques De Laey  
Anuradha Dhawan  
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Mukesh Porwal  
Irfan Qayyum  
Duangnate Rojanaporn  
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Mir Ali Shah  
Parag Shah  
Muhammad Aamir Shahzad  
Shobhana Mange Sharma  
Tiliksew Teshome  
Darío Vásquez  
Adda Villanueva  
Haisheng Zhao

## Uveitis

Vishal Dedhia  
José Antonio Gegúndez  
Rola Hamam  
Jay Sheth  
Justine Smith  
Stephanie Voorduin

## Videos

Eduardo Mayorga  
Ximena Mira Lorenzo  
Tetsuro Oshika  
Abhay Vasavada

## Instruction Courses

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Martine Jager

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Cordula Gabel  
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*Martine Jager  
Bill Mieler*

### Learn from the Experts: How to Raise Funds for Your Worthy Causes?

*Ahmed Abdulla Ahmed  
David Pyott  
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### ICO Guidelines to Manage Open and Closed Angle Glaucomas

*Neeru Gupta  
Hugh Taylor*

### (PAAO) Young Clinician Symposium “Rising Stars in Ophthalmology”

*Sandra Belalcazar  
Ger van Rens*

### Special Symposium on Leadership

*Lourdes Arellanes  
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### WOC Day of Landmark Advancements (2014–2016) (4 sessions)

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**Pan-American Glaucoma Society (PAGS)**  
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**Pan-American Society of Oculoplastics (SOPANOP)**  
**Paraguayan Society of Ophthalmology\***  
**Peruvian Society of Ophthalmology\***  
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*Societies marked with an asterisk (\*) are Member societies of the International Council of Ophthalmology.*



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FOR THE NEXT L'OCCITANE SIGHT AWARDS?

The L'OCCITANE Foundation is presenting its 2 next L'OCCITANE Sight Awards  
in partnership with the International Council of Ophthalmology and  
the International Agency for the Prevention of Blindness

A **50,000€** award dedicated to research

**NEW**

A **50,000€** award dedicated to innovation

ALREADY 2 AWARDEES!

In 2011,  
**Dr. Volker Klaus**,  
in recognition of his  
commitment and to  
enable him to continue his  
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Africa.



In 2014,  
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for her research project in  
India whose results help  
improving schools eye health  
programs internationally.

**APPLICATIONS ARE OPEN NOW  
ON THE FOUNDATION WEBSITE UNTIL MAY 2016**

The applications will be judged by a committee of experts in eye health

LET'S FIGHT AVOIDABLE BLINDNESS TOGETHER!

L'OCCITANE en Provence is a natural cosmetic brand, developing authentic and natural body, face,  
and home products manufactured in France. Its Foundation also works with the senses and has chosen to support sight,  
participating in the fight against avoidable blindness worldwide. Today, more than 2 million people have  
received eyecare through its programme Union For Vision.

## Eventos Especiales Asociación Panamericana de Oftalmología y Sociedad Mexicana de Oftalmología

## Pan-American Association of Ophthalmology and Mexican Society of Ophthalmology Special Events

### Asociación Panamericana de Oftalmología

Sábado 6, febrero/ 9:15-10:30

#### Gradle Lecture

#### Molecular Clues to Understand Retinal Degenerative Diseases: Novel Neuro-protection Mechanisms

*Nicolás G. Bazan, M.D., Ph.D.*

*Ernest C. and Yvette C. Villere Endowed Chair of Retinal Degenerations, Professor of Ophthalmology, and Director, Neuroscience Center of Excellence; School of Medicine, Louisiana State University Health Sciences Center, New Orleans*

### Sociedad Mexicana de Oftalmología

Sábado 6, febrero/ 10:30-11:15

#### Conferencia Magistral “Dr. Manuel Uribe y Troncoso”

#### El arte de hacer clientela

*Dr. Eduardo Moragrega*

Miembro Fundador de la Federación Latinoamericana de Sociedades Ultrasonido en Medicina, el Consejo Latinoamericano de Ecografía en Oftalmología y el Centro Mexicano de Ultrasonido en Oftalmología. Ex Presidente de la Sociedad Mexicana de Oftalmología y del Consejo Mexicano de Oftalmología.

Reconocimiento como “Pionero mundial en ultrasonido” World Federation for Ultrasound in Medicine and Biology. Washington Museo Smithsonian.

Nombramiento de la Conferencia Magistral del Centro Mexicano de Ultrasonido en Oftalmología: Conferencia Magistral “Dr. Eduardo Moragrega Adame”. Medalla y Diploma por 35 años de Profesor de Posgrado y Mérito Universitario Facultad de Medicina, Universidad Nacional Autónoma de México Mayo 2013.

Sábado 6, febrero/ 11:15-12:00

#### Mesa redonda “Dr. Anselmo Fonte Bárcena”

#### Oftalmopatía en Enfermedad de Graves: enfoque multidisciplinario

Coordina: *Dr. José Luis Tovilla*

Sábado 6, febrero/ 12:00

#### Cambio de Mesa Directiva del Consejo Mexicano de Oftalmología

Domingo 7, febrero/ 10:30-11:15

#### Conferencia Magistral Sociedad Mexicana de Oftalmología

#### Diagnóstico oftalmológico en pacientes pediátricos

*Dr. José Antonio Salazar*

Domingo 7, febrero/ 11:15-12:00

#### Mesa Redonda Dr. Antonio Torres Estrada

#### Trauma orbitario y ocular

Coordina: *Dr. José Dalma*



**Lunes 8 de febrero/ 10:30-11:15**

**Conferencia Magistral “Revista Mexicana de Oftalmología”**

**La ciencia de medir en oftalmología**

*Dr. Everardo Hernández*

**Lunes 8 de febrero/ 11:15-12:00**

**Mesa Redonda Dr. Magín Puig Solanes**

**Ectasias corneales primarias y secundarias**

*Coordina: Dra. Regina Velasco*

**Martes 9 de febrero/ 13:00-13:45**

**Mesa Redonda Dr. Luis Sánchez Bulnes**

**Infecciones en oftalmología**

*Coordina. Dr. Jorge Eugenio Valdez*



**Medical Malpractice Systems Around the Globe: A Comparative Overview**  
**IS-SA-2918/** Saturday, February 6th at 08:30-10:00/  
Alcalde Room

**Global Diabetic Eye Care: International Diabetic Eye Screening, Innovations and ICO Diabetic Guidelines**  
**IS-SU-477/** Sunday, February 7th at 08:30-10:00/  
Alcalde Room

**Learn from the Experts: How to Raise Funds for Your Worthy Causes?**  
**IS-SA-2940/** Saturday, February 6th at 10:30-12:00/  
Salón de Eventos 7

**Young Ophthalmologist Symposium**  
**IS-SU-534/** Sunday, February 7th at 16:00-17:30/  
Tlaquepaque Room

**(ARVO) Ophthalmic Research - Understanding the Basics**  
**IS-SA-494/** Saturday, February 6th at 14:00-15:30/  
Moda Room

**ICO Guidelines to Manage Open and Closed Angle Glaucomas**  
**IS-SU-2936/** Sunday, February 7th at 16:00-17:30/  
Alcalde Room

**WOC Day of Landmark Advancements (2014–2016) (4 sessions)**  
Saturday, February 6th / Tlaquepaque Room

**Cataract Surgery Olympics – WOC Mexico 2016**  
**IS-MO-2919/** Monday, February 8th at 08:30-10:00am/  
Tlaquepaque Room

**Ocular Oncology & Pathology, Uveitis & Ocular Inflammation, Pediatric Ophthalmology & Strabismus, and Neuroscience & Regenerative Medicine.**  
**IS-SA-2938/** 08:30-10:00

**ICO Fellowships and Exams Joint Symposium**  
**IS-MO-466/** Monday, February 8th at 14:00-15:30/  
Tlaquepaque Room

**Cornea & External Eye Disease, Cataract Surgery, Nanotechnology & Bioengineering, and Refractive Surgery from 2014-2016.**  
**IS-SA-2927/** 10:30-12:00

**Special Symposium on Leadership**  
**IS-MO-2924/** Monday, February 8th at 16:00-17:30/  
Salón de Eventos 3

**Neuro-ophthalmology, Ophthalmic Education, and Orbits & Oculoplastics.**  
**IS-SA-2926/** 14:00 15:30

**ICO World Ophthalmology Quiz**  
**Preliminary Round:**  
**IS-SU-2956/** Sunday, February 7th at 16:00-17:30/  
Salón de Eventos 9

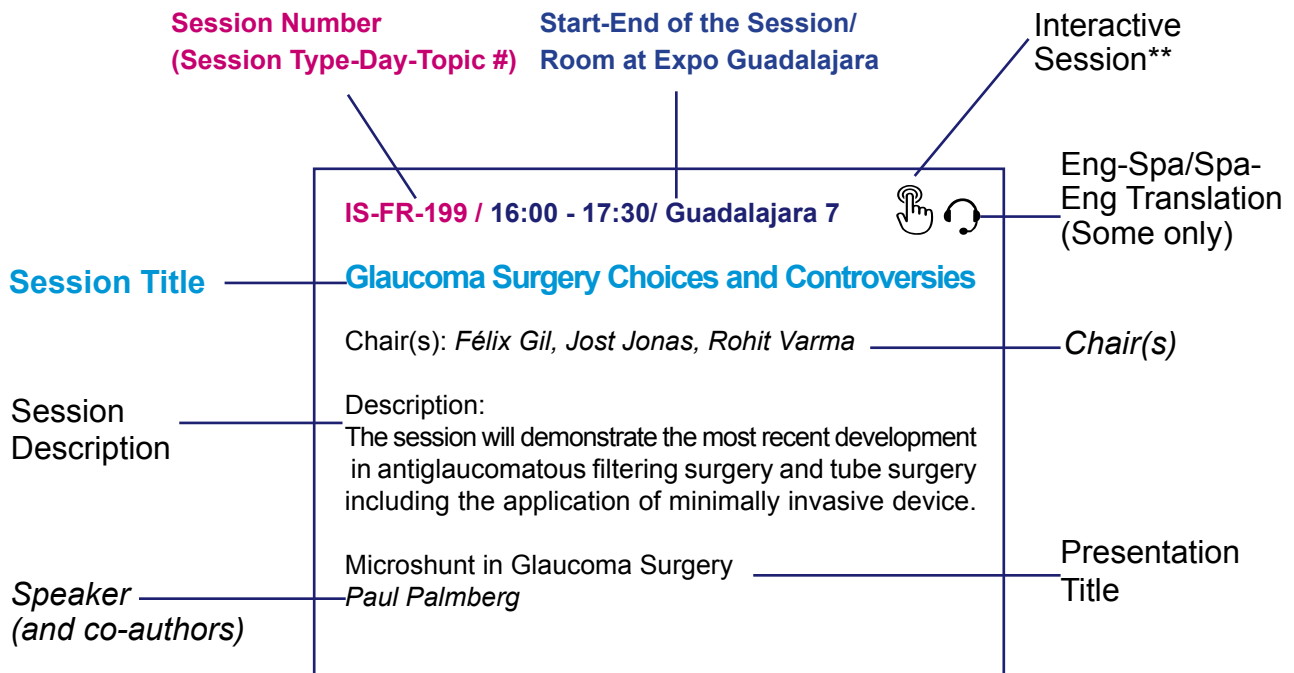
**Medical Retina, Surgical Retina, Ocular Imaging, and Ocular Genetics.**  
**IS-SA-2939/** 16:00-17:30

**Final Quiz:**  
**IS-MO-2955/** Monday, February 8th at 08:30-10:00/  
Guadalajara 5 Room



## How to Read the Scientific Program

Session	Session Type
Clinical Interest Group	CIG
Debate	DE
Free Paper	FP
Instruction Course	INS
Invited Case	CA
Invited Course	IC
Invited Symposium	IS
Invited Video	IV
Poster	P
Video	VI



### \*\*Interactive Sessions

As an innovation for this World Congress, attendants will have the opportunity to actively take part in selected symposia, debates and case presentations using the congress app that is available for phones, tablets and laptops. A voting system will engage participants in hands-on activities, session rating and diagnosis/treatment polls.



**Sessions with titles in Spanish are presented in Spanish /  
Las sesiones con títulos en Español se presentan en Español**

**Las sesiones con títulos en Inglés se presentan en Inglés /  
Sessions with titles in English are presented in English**








# Schedule at-a-Glance

CIG	Clinical Interest Group	IS	Invited Symposium
DE	Debate	IV	Invited Video
FP	Free Paper	PO	E-Posters
INS	Instruction Cover	VI	Videos
CA	Invited Case	SE	Special Events
IC	Invited Course		Eng-Spa/Spa-Eng Translation
			Interactive Session

## Subspecialty Day, Friday, February 5<sup>th</sup> 2016

Room - Time	8:30 - 10:00	10:30 - 12:00	12:00 - 14:00	14:00 - 15:30	16:00 - 17:30
Guadalajara 1	<b>IS-FR-2952</b> Dissecting the Cornea: New Trends in Corneal Transplantation	<b>IS-FR-2951</b> Ocular Surface and Keratoprosthesis		<b>IS-FR-2953</b> Keratoconus and Corneal Ectasia: How to Treat and Prevent	<b>IS-FR-2950</b> New Challenges in Corneal Infections
Guadalajara 2	<b>IS-FR-114</b> Myopia Control - What's New on the Horizon 	<b>DE-FR-116</b> Strabismus - Debate Format 		<b>IS-FR-115</b> Challenges & Strategies to Reduce the Burden of ROP Blindness—A Global Perspective	<b>IS-FR-117</b> Trends and Controversies in Pediatric Oculoplastic Surgery
Guadalajara 3	<b>IS-FR-172</b> Innovations and Evidence-Based Oculofacial Plastic Surgery - 2016 - Published Studies Since Last WOC (2014-16) on Techniques, Technologies, Products and Observations 	<b>IS-FR-255</b> Experts Sharing on Oculofacial Plastic Conditions & Complications - Personal/ Referred/Published Nightmares/ Complications During/ After All Types of Oculofacial Plastic Procedures 		<b>IC-FR-173</b> Multidisciplinary Approach in Orbitocraniofacial Conditions - Conditions Requiring ENT, NS, Craniofacial, Maxillofacial, Plastic, Dermatologic, Radiologic, Oncologic Input 	<b>IS-FR-254</b> Sockets and Orbital Reconstruction: What's Hot and What's Not - Eyelid, Orbit, Socket Reconstructions: Implants, Flaps, Grafts (Including Cells Based Therapy) 
Guadalajara 4	<b>Opening Ceremony 18:00-19:30</b>				
Guadalajara 5					
Guadalajara 6					
Guadalajara 7	<b>IS-FR-198</b> Angle Closure Glaucoma - What's New? 	<b>IS-FR-197</b> Hot Topics in Glaucoma 2016 		<b>IS-FR-196</b> New Clinical Pearls to Assess and Manage Glaucoma 	<b>IS-FR-199</b> Glaucoma Surgery Choices and Controversies 
Guadalajara 8	<b>DE-FR-188</b> Medical Retina - Updates in AMD and DME 	<b>CA-FR-186</b> Surgical Retina - PPV: The Cutting Edge 		<b>IS-FR-185</b> Medical Retina and Uveitis 	<b>DE-FR-187</b> Imaging and Debate 
Guadalajara 9	<b>Opening Ceremony 18:00-19:30</b>				
Salón de Eventos 1		<b>IS-FR-536</b> Challenging Video Cases		<b>IS-FR-533</b> New Technologies for Cataract Removal	<b>IS-FR-538</b> The Mystery of Keratoconus
Salón de Eventos 2					
Salón de Eventos 3					
Salón de Eventos 4					
Salón de Eventos 5					
Salón de Eventos 6					
Salón de Eventos 7	<b>IS-FR-540</b> Refractive Lens Exchange: Indications, Limitations and Outcomes	<b>IS-FR-170</b> Success after Cataract Surgery: Snellen Acuity Is the Only Measure!		<b>IS-FR-539</b> Lenticular or Corneal Laser Refractive Surgery: What Is the Future? 	
Salón de Eventos 8					



Saturday, February 6<sup>th</sup> 2016

Room - Time	8:30 - 10:00	10:30 - 12:00	12:00 - 14:00	14:00 - 15:30	16:00 - 17:30
Guadalajara 1	<b>INS-SA-20</b> 8:30-9:15 Ecografía estandarizada con el software A1			<b>INS-SA-22</b> 14:00-14:45 Entendiendo las oftalmoplejias: tips & tricks	<b>INS-SA-24</b> 16:00-16:45 Uso del topógrafo- aberómetro en la evaluación y planeación de casos de segmento anterior
	<b>INS-SA-21</b> 9:15-10:00 Tamiz ocular en recién nacidos a término: importancia, indicaciones, como realizarlo			<b>INS-SA-23</b> 14:45-15:30 Lo imposible puede ser posible en el cálculo de LIO	<b>INS-SA-25</b> 16:45-17:30 Manejo adecuado de esteroides en oftalmología
Guadalajara 2	<b>IS-SA-109</b> Update on Adult Strabismus	<b>IS-SA-108</b> Surgical Challenges in Paediatric Ophthalmology, Non-Cataract		<b>IS-SA-112</b> Therapeutic Alternatives in Different Types of Strabismus	<b>IS-SA-110</b> Innovations in Planning and Performing Pediatric Cataract Surgery
Guadalajara 3	<b>IS-SA-265</b> Orbital, Eyelid and Lacrimal Trauma – Tips and Tricks -Trauma: Overall Management Protocol, Investigations, Strategies, Techniques, Products, Complications	<b>IS-SA-260</b> From Lab to Lane - Research Breakthroughs That Change Our Practice - Laboratory Based Research with Important Translational Implication and Change Our Practice		<b>IS-SA-338</b> New Surgical Approaches in Oculoplastics	<b>IS-SA-2613</b> Broadening Our Scope - Advanced Facial Aesthetic Surgery
Guadalajara 4	<b>IS-SA-405</b> Surgical Techniques in Corneal Transplantation	<b>DE-SA-2954</b> Lamellar Transplantation: State of the Art		<b>IS-SA-174</b> Cornea Symposium: Dystrophies, Degenerations, and Genetics	<b>DE-SA-2942</b> DMEK Techniques: A Global Perspective!
Guadalajara 5	<b>IS-SA-517</b> Diagnosis, Prevention and Management of Primary and Secondary Ectasia	<b>IS-SA-531</b> New Technologies in Refractive Imaging and Corneal Lasers		<b>IS-SA-521</b> Management of Complications of Refractive Surgery	<b>IS-SA-2928</b> Astigmatism: How to Correct?
Guadalajara 6	<b>CA-SA-2958</b> Complicated Phaco Cases - My Top 5 Pearls	<b>CA-SA-319</b> IOL Complications		<b>IS-SA-2946</b> Post Cataract Infectious Endophthalmitis	<b>IS-SA-355</b> Combined Astigmatism Correction with Phaco
Guadalajara 7	<b>IS-SA-1</b> 8:30-9:15 Nutrition for vision: Macular Carotenoids for Age-Related Maculopathy and Alzheimer's Disease	<b>SE-SA-2 (SMO)</b> 10:30- 11:15 Conferencia Magistral Dr. Manuel Uribe y Troncoso: El arte de hacer clientela			
	<b>SE-SA-1 (PAAO)</b> 9:15-10:30 GradleLecture: Molecular Clues to Understand Retinal Degenerative Diseases: Novel Neuro protection Mechanisms	<b>SE-SA-3 (SMO)</b> 11:15-12:00 Mesa Redonda Dr. Anselmo Fonte Vázquez: Enfermedad de Graves: enfoque multidisciplinario			<b>IS-SA-2</b> Temas controversiales de manejo: retina vs. uvea

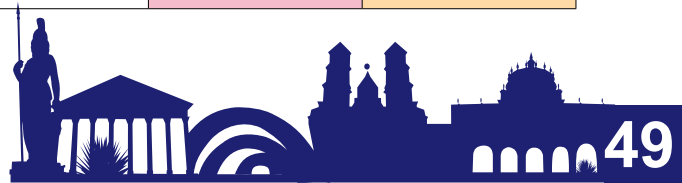


# Schedule at-a-Glance













Saturday, February 6<sup>th</sup> 2016

Room - Time	8:30 - 10:00	10:30 - 12:00	12:00 - 14:00	14:00 - 15:30	16:00 - 17:30
Guadalajara 8	<b>IS-SA-130</b> Scope for the Diagnosis and Treatment of Myopia	<b>IS-SA-2931</b> Global Retina		<b>IS-SA-127</b> Molecular Biology, Genetics and Immunology in Vitreoretinal Diseases	<b>IS-SA-132</b> Antiangiogenics and Macular Edema
Guadalajara 9	<b>IS-SA-513</b> Current Functional and Structural Evaluations for the Early Detection of Glaucoma	<b>IS-SA-278</b> Recent Advances in Normal-Tension Glaucoma		<b>IS-SA-288</b> Managing Glaucoma in Resource Limited Settings	<b>IS-SA-208</b> Imaging of the Optic Nerve and Retina in Glaucoma: What's Ne
Salón de Eventos 1	<b>IS-SA-219</b> Future Role of ICT Advances in Eye Care, Including Impact of M-Health	<b>IS-SA-220</b> Socioeconomics of Diabetic Retinopathy: Delivering Sustainable Solutions by Linking Eye Care and Diabetes Services		<b>IS-SA-218</b> Experiences in Improving Eye Care Services through the WHO Health System Approach	<b>IS-SA-217</b> Integrating School Eye Health, Low Vision and Rehabilitation into Eye Care Programs
Salón de Eventos 2	<b>INS-SA-2421</b> Endothelial Keratoplasty: Manual DSEK and Automated DSEK - Made Simple for the Beginners	<b>INS-SA-2104</b> Imaging the Anterior Segment: Diagnostic and Surgical Applications		<b>INS-SA-9997</b> International Course on New Developments of the Cornea	<b>INS-SA-2324</b> Síndrome de párpado flácido. Claves para el diagnóstico y tratamiento
Salón de Eventos 3	<b>IS-SA-222</b> Eye Injuries in Children and in Elderly Patients	<b>IS-SA-224</b> Ocular Traumatology: Controversial Issues		<b>IC-SA-433</b> Infectious Keratitis	<b>IS-SA-2925</b> Current Topics in Intraocular Tumors
Salón de Eventos 4	<b>INS-SA-1614</b> Herpes: evaluación actual de una entidad histórica	<b>INS-SA-611</b> Pediatric Ocular Tumors		<b>INS-SA-722</b> Optic Nerve Imaging in Glaucoma: A Practical Workshop on OCT Interpretation	<b>INS-SA-2265</b> Clinical Exam and Management of Children with Glaucoma
Salón de Eventos 5	<b>INS-SA-1806</b> Controversias en cirugía de glaucoma	<b>INS-SA-912</b> Advanced Surgical Management of Ocular Inflammatory Disease		<b>INS-SA-1514</b> Anterior Segment and Lid injuries - Surgical management - Challenges, Pearls and Pitfalls	<b>INS-SA-508</b> Parasitic Keratitis - Clinical Picture, Diagnosis and Management
Salón de Eventos 6	<b>INS-SA-697</b> Las artes visuales como herramienta para la enseñanza de la oftalmología	<b>INS-SA-1334</b> Advocacy for National ROP Policies in Latin America		<b>INS-SA-952</b> Duke Vitreoretinal Surgical Rounds. What Would Machemer Do?	<b>INS-SA-547</b> Femtosecond Laser for Cornea Surgery: The Actual Options
Salón de Eventos 7	<b>INS-SA-2930</b> How to Avoid Misdiagnosis of Tumors Using Ocular Ultrasound	<b>IS-SA-2940</b> Learn from the Experts: How to Raise Funds for Your Worthy Causes?			<b>INS-SA-2449</b> Recent Advances in the Diagnosis and Management of Conjunctival Tumors
Salón de Eventos 8	<b>FP-SA-7024</b> Pediatric Cataract, Special Cases, Physiopathology and More	<b>FP-SA-7014</b> Innovations in Cataract Surgery'		<b>FP-SA-7001</b> Advances on Refractive Surgery and Cornea	<b>INS-SA-2023</b> Scleral Buckling Surgery: A Forgotten Art!

Schedule at-a-Glance
























Saturday, February 6<sup>th</sup> 2016

Room - Time	8:30 - 10:00	10:30 - 12:00	12:00 - 14:00	14:00 - 15:30	16:00 - 17:30
Salón de Eventos 9	<b>FP-SA-7032</b> Therapy and Genetics of Retinal Diseases	<b>FP-SA-7004</b> Changing the Cornea for Refraction		<b>FP-SA-7035</b> Vitreoretinal Surgery	<b>FP-SA-7021</b> Oncología Ocular
Salón Zapopan	<b>IC-SA-141</b> Pediatric Neuro-Ophthalmology	<b>IS-SA-103</b> Controversies in Neuro-Ophthalmology		<b>IS-SA-143</b> Basic Clinical Questions in Neuro-Ophthalmology	<b>CA-SA-142</b> Challenging Cases in Neuro-Ophthalmology 
Salón Tonalá	<b>IS-SA-157</b> Approach to Orbital Tumors in Children	<b>IC-SA-178</b> Update on Uveal Melanoma		<b>IS-SA-2948</b> Controversies in Cataract Surgery	<b>IC-SA-155</b> What Systemic Malignancies Can Do to the Eye, Orbit and Adnexa and How to Take Action Against Them
Salón Tlaquepaque	<b>IS-SA-2938</b>   WOC Day of Landmark Advancements (2014–2016) Ocular Oncology and Pathology, Uveitis and Ocular Inflammation, Pediatric Ophthalmology and Strabismus, and Neuroscience and Regenerative Medicine	<b>IS-SA-2927</b>   WOC Day of Landmark Advancements (2014–2016) - Cornea and External Eye Disease, Cataract Surgery, Nanotechnology and Bioengineering, and Refractive Surgery		<b>IS-SA-2926</b>   WOC Day of Landmark Advancements (2014–2016) Neuro-Ophthalmology, Ophthalmic Education, and Orbits and Oculoplastics	<b>IS-SA-2939</b>   WOC Day of Landmark Advancements (2014–2016) - Medical Retina, Surgical Retina, Ocular Imaging, and Ocular Genetics
Salón Tequila	<b>IS-SA-125</b> Advances and New Techniques in Vitreoretinal Surgery	<b>IS-SA-134</b>  Retinal Imaging in 2016		<b>IS-SA-144</b> Advances in the Treatment of Neovascular AMD	<b>IS-SA-124</b>  Controversies in the Management of Complications of Diabetic Retinopathy
Mueble I-II	<b>IS-SA-200</b> Evolving Concepts in the Management of Non-Infectious Uveitis	<b>IS-SA-203</b> Utility of Imaging Procedure in the Diagnosis and Follow Up of Ocular Inflammation		<b>IS-SA-202</b> Evidence Based Management of Uveitis	<b>IS-SA-201</b> New Developments in the Diagnosis and Management of Infectious Uveitis
Joya I-II		<b>IS-SA-158</b>  Teaching Ophthalmology to Medical Students and General Doctors: What's New Around the World?		<b>IC-SA-162</b>  Preparing A Good Multiple Choice Question Exam For Your Students	<b>IS-SA-2941</b> Worldwide Advocacy for Eye Research: What you can learn from the ARVO Chapters
Calzado I-II	<b>IS-SA-171</b> Ocular Infectious Diseases: Cutting Edge Research from the Clinic	<b>IS-SA-294</b> Rising Stars in Ophthalmology		<b>IS-SA-305</b> Alternative Therapeutic Modalities in Eye Disease	<b>IS-SA-293</b> Eye Care Personnel and Training: Essential to Effective Eye Care
Moda	<b>IS-SA-193</b> Inherited Diseases Associated with Eye Anomalies	<b>IS-SA-2922</b> Artificial Vision		<b>IS-SA-494</b> Ophthalmic Research -Understanding the Basics	<b>IC-SA-2892</b> Clinical and Translational Research in Ocular Immunology
Minerva I-II	<b>FP-SA-7012</b> Glaucoma Surgery and Disease Evaluation	<b>FP-SA-7023</b> Pathology of the Ocular Surface, Eyelids, and Orbit		<b>IS-SA-182</b> Most Frequent Causes of Blindness in Ecuador and Mexico	<b>FP-SA-7007</b> Corneal Inflammation and Infection
Alcalde	<b>IS-SA-349</b> Anti-VEGF Therapy for Retinal Angiogenic Diseases: Evidence-Based Update	<b>IS-SA-412</b> The Cornea and Glaucoma: Evidence-Based Management of Challenging Clinical Issues		<b>IS-SA-351</b> Evidence based Medicine in Strabismus and Pediatric Ophthalmology	<b>IS-SA-2918</b> Medical Malpractice Systems Around the Globe: A Comparative Overview
Salón Jalisco D-E	<b>E-Posters / Videos</b>				



# Schedule at-a-Glance

Sunday, February 7<sup>th</sup> 2016

Room - Time	8:30 - 10:00	10:30 - 12:00	12:00 - 14:00	14:00 - 15:30	16:00 - 17:30
Guadalajara 1	<b>INS-SU-26 8:30-9:15</b> SMILE (Small Incision Lenticle Extraction) cambios visuales y seguridad			<b>INS-SU-28 14:00-14:45</b> Progresión de queratocono: ¿realmente podemos detenerlo?	<b>INS-SU-30 16:00-16:45</b> Manejo de la visión baja en niños
	<b>INS-SU-27 9:15-10:00</b> SMILE (Small Incision Lenticle Extraction) superficie ocular y estudios de imagen			<b>INS-SU-29 14:45-15:30</b> Rehabilitación visual en degeneración macular relacionada a la edad	<b>INS-SU-31 16:45-17:30</b> Técnica de iontoforesis en cross-linking
Guadalajara 2	<b>IS-SU-180</b> Childhood Blindness and Visual Impairment in Asia-Pacific Region	<b>IS-SU-113</b> Update on Retinoblastoma		<b>IS-SU-105</b> Difficult Problems in Strabismus	<b>IS-SU-106</b> Contemporary Management of Amblyopia
Guadalajara 3	<b>IS-SU-264</b>  Periocular Rejuvenation -Subtlety as a Specialty (An Interactive Session) - Surgical, Minimal Invasive and Non-surgical Rejuvenation Around the Periocular Region	<b>IS-SU-263</b>  Lacrimal Management (An Interactive Session) -Diagnostic, Therapeutic from Minimal Invasive, Standard to Conventional Types		<b>IS-SU-257</b>  Orbital Diagnosis and Management: The Current Status	<b>IS-SU-267</b>  Minimally Invasive Orbital Surgery - Goal or Load - Hidden/ Small Incisional, Orbital Surgery, Discuss its Pros and Cons, Limitations and Indications, Room for Advancement
Guadalajara 4	<b>IS-SU-376</b>  A Contemporary View of Diagnosis and Treatment of Anterior Segment Diseases: Things You Don't Want to Miss	<b>IS-SU-2943</b>  Femtosecond Laser for Corneal Surgery		<b>IS-SU-226</b>  How to Reconstruct the Ocular Surface	<b>CA-SU-2959</b>  Refractive Cataract / IOL Surgery - My Top 5 Pearls
Guadalajara 5	<b>IS-SU-2963</b>  New and Evolving Technology in Cataract Surgery	<b>IS-SU-518</b>  Advances in Customized Refractive Treatments and Femtosecond Lasers in 2016		<b>IS-SU-530</b>  Refractive Lens Surgery: When, How and Why?	<b>IS-SU-520</b>  Cornea and Lens Surgery for Management of Presbyopia
Guadalajara 6	<b>CA-SU-306</b>  Femtosecond Cataract Surgery: Where Does It Stand Today?	<b>CA-SU-2964</b>  Pearls and Pitfalls for Selecting and Implanting Refractive IOLs		<b>CA-SU-2960</b>  Video Case Studies – “You Make The Call”	<b>IS-SU-2949</b>  Femtosecond-assisted Phacoemulsification in Special Cases
Guadalajara 7	<b>IS-SU-4</b>  Wilmer Eye Institute: Current state of ocular conditions for the comprehensive ophthalmologist	<b>SE-SU-4 (SMO)</b>  10:30-11:15 Conferencia Magistral Sociedad Mexicana de Oftalmología: Diagnóstico oftalmológico en pacientes pediátricos		<b>IS-SU-5</b>  Manifestaciones neurooftalmológicas y orbitarias de tumores: diagnóstico, tratamiento y secuelas	<b>IS-SU-6</b>  Lo nuevo en el manejo de ectasias: lentes esclerales, anillos corneales 360°, iontoforesis
		<b>SE-SU-5 (SMO)</b>  11:15-12:00 Mesa Redonda Dr. Antonio Torres Estrada: Trauma ocular			

Schedule at-a-Glance



Sunday, February 7<sup>th</sup> 2016

Room - Time	8:30 - 10:00	10:30 - 12:00	12:00 - 14:00	14:00 - 15:30	16:00 - 17:30
Guadalajara 8	<b>IS-SU-138</b> Surgical Approach to Inflammatory and Infectious Diseases of the Vitreous and Retina	<b>IS-SU-135</b> Metastatic Disease, Melanomas and Angioma		<b>IS-SU-122</b> Vitreoretinal Interface - Latest Developments	<b>IS-SU-133</b> Update on Inherited Vitreo-Retinopathies
Guadalajara 9	<b>CIG-SU-296</b> Exfoliation Syndrome – a Comprehensive Overview	<b>IS-SU-2921</b> Glaucoma: At the Leading Edge		<b>IS-SU-509</b> Vasospasm and Ocular Blood Flow in Glaucoma	<b>CA-SU-276</b> Surgical Dilemmas and Complications: Clinical Cases
Salón de Eventos 1	<b>IS-SU-221</b> Ophthalmic Practice Management and ICD-11	<b>IS-SU-489</b> Eye Care Personnel. Resources for Effective Training		<b>IS-SU-216</b> Ethics in Ophthalmic Practice and Research	<b>INS-SU-9998</b> International Course on Dealing with Data and Retinal Diseases
Salón de Eventos 2	<b>INS-SU-1925</b> Multi-center Sponsored Clinical Trials: ICH Guidelines and Minimal Requirements for Investigators	<b>IS-SU-491</b> International Ophthalmic History		<b>INS-SU-594</b> Serious Eye Cancers Masquerading as Common Benign Conditions	<b>INS-SU-643</b> Management of Pterygia Using Chemical and Physical Barriers
Salón de Eventos 3	<b>IC-SU-493</b> Collecting DNA in Eye Surveys	<b>IC-SU-492</b> Survey Design and Statistics / Epidemiological Methodology Applied in Ocular Diseases		<b>IS-SU-223</b> Management of Anterior Segment Injuries	<b>IS-SU-225</b> Management of Post-Traumatic Endophthalmitis
Salón de Eventos 4	<b>INS-SU-1117</b> Facoemulsificación de catarata hipermadura	<b>INS-SU-1496</b> Nightmares in Strabismus Surgery		<b>INS-SU-724</b> SICS a Technique in every Cataract Surgeons Armament	<b>INS-SU-2749</b> Trabes y tubos en glaucoma; como, cuando y porqué...
Salón de Eventos 5	<b>INS-SU-1908</b> Managing Glaucoma in Eyes after Emerging Corneal Procedures -Essential Steps to Maximize Visual Outcomes and Graft Preservation	<b>INS-SU-798</b> El ABC de OCT en neurooftalmología		<b>IS-SU-11</b> Global and Regional Prevention of Blindness: Progress towards Vision2020, Global and Regional Actions Plans	<b>INS-SU-2114</b> Evidence-based Treatment of Infectious Keratitis
Salón de Eventos 6	<b>INS-SU-1248</b> Infectious Keratitis: Recent Developments in Diagnosis, and Management	<b>INS-SU-371</b> Tackling Posterior Capsule Rupture, IOL Implantation, and Associated Complications: A Video-Based Course		<b>INS-SU-908</b> Calidad visual en cirugía de catarata	<b>INS-SU-1170</b> Applications, Nuances, Technicalities and Modifications in Glued Intrasceral Fixation of an Intraocular Lens: A Video Course
Salón de Eventos 7	<b>INS-SU-958</b> Abordaje multidisciplinario del paciente con diabetes para el oftalmólogo	<b>INS-SU-2799</b> The Boston Type I Keratoprosthesis: Case-Based Presentations Highlighting the Essentials for Beginning and Experienced Surgeons		<b>INS-SU-2886</b> Management of Aphakia: A Comprehensive Review of Current Options	<b>INS-SU-1873</b> Advanced Macular Surgery - "Tell It Like It Is..."
Salón de Eventos 8	<b>FP-SU-7031</b> The Posterior Cornea	<b>INS-SU-450</b> Conquering Capsule Complications: A Video Primer		<b>FP-SU-7022</b> Outcomes and Complications of IOLs	<b>FP-SU-7003</b> Cataract Surgery in Difficult Cases



# Schedule at-a-Glance

























Sunday, February 7<sup>th</sup> 2016

Room - Time	8:30 - 10:00	10:30 - 12:00	12:00 - 14:00	14:00 - 15:30	16:00 - 17:30
Salón de Eventos 9	<b>FP-SU-7017</b> Neovascular AMD Treatment	<b>FP-SU-7013</b> Imaging and Interdisciplinary		<b>FP-SU-7034</b> Uveitis and Retina: Epidemiology and Diagnosis	<b>IS-SU-2956</b> ICO Quiz Elimination Round
Salón Zapopan	<b>IS-SU-123</b> Innovations in Surgical Retina: A Case-Based Update	<b>IS-SU-826</b> A Practical Approach to the Patient with Common Neuro-Ophthalmologic Presentations		<b>IS-SU-2929</b> Curing, Caring, Coping: Tools to Help Your Patient Cope	<b>IS-SU-2285</b> Intraocular Pressure Measurement in 2016
Salón Tonalá	<b>IS-SU-156</b> Imaging in Ocular and Orbital Tumors	<b>IC-SU-154</b> Differential Diagnosis and Update on Melanocytic Tumors		<b>IS-SU-176</b> Lacrimal Gland Non-neoplastic and Neoplastic Lesions	<b>IC-SU-341</b> Neuro-Oncology
Salón Tlaquepaque	<b>FP-SU-2962</b>  Late-Breaking News	<b>IS-SU-300</b> Ocular Drug Delivery		<b>IS-SU-302</b> Anti-VEGF Therapy for Posterior Segment Diseases: Risks and Benefits	<b>IS-SU-534</b> Young Ophthalmologist Symposium
Salón Tequila	<b>IS-SU-126</b> Ocular Trauma	<b>IS-SU-119</b> Diabetic Retinopathy from Screening to Surgery		<b>IS-SU-498</b> New Trends in Management of Vitreoretinal Diseases	<b>IS-SU-120</b> Up-To-Date on Diagnosis and Treatment of Retinal Diseases
Mueble I-II	<b>IS-SU-462</b> Challenging Cases in Inflammatory Eye Diseases	<b>DE-SU-289</b> MIGS and Minis		<b>CA-SU-250</b>  Imaging in Glaucoma	<b>CA-SU-249</b> Anterior Segment Imaging
Joya I-II	<b>IS-SU-519</b> Symposium - Infection of the Eye and Adnexa	<b>DE-SU-164</b>  Bedside Teaching in Ophthalmology		<b>IC-SU-161</b>  How to Develop a Successful Workshop	<b>IS-SU-483</b>  How Do We Learn Best? How Do We Stay Up To Date with Rapidly Developing Technology?
Calzado I-II	<b>IC-SU-424</b> Contact Lenses: President's Innovation Panel	<b>IS-SU-347</b> Infections, Complications and Solutions		<b>IS-SU-343</b> Post-Refractive Surgery and Contact Lenses / Contact Lens Complications	<b>IS-SU-346</b> Treatment Options for Myopia Control
Moda	<b>IS-SU-149</b> Neglected Tropical Diseases: Are We on Track?	<b>IS-SU-151</b> Comprehensive Eye Care or Disease Specific Approaches?		<b>IS-SU-150</b> Emerging Issues and Hot Topics	<b>IC-SU-2935</b> Desafíos de la salud visual en Latinoamérica: ¿Dónde estamos y hacia dónde vamos?
Minerva I-II	<b>FP-SU-7019</b> New IOLs and New Surgical Techniques	<b>FP-SU-7026</b> Prevention and Treatment of Potentially Blinding Pediatric Diseases		<b>FP-SU-7011</b> Glaucoma	<b>FP-SU-7009</b> Diabetic Retinopathy
Alcalde	<b>IS-SU-477</b>  Global Diabetic Eye Care: International Diabetic Eye Screening, Innovations and ICO Diabetic Guidelines	<b>IS-SU-204</b> Controversies in Diagnosis and Management of Granulomatous Uveitis		<b>IS-SU-315</b> What Do Epidemiologic Studies Forecast about the Challenges in Ophthalmology in the Next Decade	<b>IS-SU-2936</b>  ICO Guidelines to Manage Open and Closed Angle Glaucomas
Salón Jalisco D-E	<b>E-Posters / Videos</b>				

Schedule at-a-Glance



Monday, February 8<sup>th</sup> 2016




Room - Time	8:30 - 10:00	10:30 - 12:00	12:00 - 14:00	14:00 - 15:30	16:00 - 17:30
Guadalajara 1	<b>INS-MO-32 8:00-8:45</b> Estrategias médicas y quirúrgicas en trasplante de alto riesgo			<b>INS-MO-34 14:00-14:45</b> Controversias en cirugía refractiva	<b>INS-MO-36 16:00-16:45</b> Actualidades en retinopatía de la prematuréz
	<b>INS-MO-33 9:15-10:00</b> Manejo quirúrgico de la parálisis facial			<b>INS-MO-35 14:45-15:30</b> Ojo seco: nuevos métodos de diagnóstico y tratamiento	<b>INS-MO-37 16:45-17:30</b> Cirugía de catarata complicada: retos quirúrgicos de difícil manejo
Guadalajara 2	<b>IS-MO-111</b> Pediatric Eye Trauma	<b>IS-MO-107</b> Pediatric Uveitis		<b>IS-MO-191</b> Low Vision and Comorbidity	<b>IS-MO-190</b> Low Vision and Vision Rehabilitation
Guadalajara 3	<b>IC-MO-258</b>  Orbital Inflammation	<b>IS-MO-266</b>  Office-Based Eyelid and Lacrimal Procedures: Pearls from the Experienced		<b>IS-MO-262</b>  Thyroid Orbitopathy - Today and Tomorrow - All About TAO: Evidence Till Now and a Peep into the Future	<b>IS-MO-259</b>  ( Endoscopic Procedures in Oculoplasty and Pediatric Oculoplasty
Guadalajara 4	<b>IS-MO-2932</b>  Corneal Imaging for the General Ophthalmologist	<b>IS-MO-229</b>  Cirugía de catarata en el entorno de las afecciones corneales		<b>IS-MO-2933</b>  Cornea, From Pterygium Surgery to Endothelial Grafts	<b>CA-MO-382</b>  Prevention and Management of Complications in Anterior Segment Surgery: An Experience Based Approach. What the Literature Doesn't Teach Us
Guadalajara 5	<b>IS-MO-2955</b>  ICO Quiz	<b>IS-MO-145</b>  How to Get Published		<b>IS-MO-269</b>  World Forum of Ophthalmological Journal Editors I	<b>IS-MO-177</b>  World Forum of Ophthalmological Journal Editors II
Guadalajara 6		<b>IS-MO-2947</b>  IOL Fixation with Deficient Capsular Support		<b>IS-MO-2945</b>  Conquering the Rock Hard Cataract	<b>IS-MO-2890</b>  The Cutting Edge in Cataract Surgery
Guadalajara 7	<b>IS-MO-7</b>  Facotormentas: entre el cielo y el infierno	<b>SE-MO-6 (SMO)</b>  <b>10:30-11:15</b> Conferencia Magistral Revista Mexicana De Oftalmología: La ciencia de medir en oftalmología		<b>IS-MO-8</b>  Perlas en el cálculo de lente intraocular en casos desafiantes de cirugía de catarata	<b>IS-MO-9</b>  Glaucoma moderado y avanzado: el reto de la progresión y rehabilitación visual
		<b>SE-MO-7 (SMO)</b>  <b>11:15-12:00</b> Mesa Redonda Dr. Magin Puig Solanes: Ectasias corneales primarias y secundarias			
Guadalajara 8	<b>IS-MO-272</b>  Innovations on Diagnosis and Imaging on Vitreoretinal Diseases Symposium	<b>IS-MO-139</b>  Indications for Laser Therapy in Vitreoretinal Diseases		<b>IS-MO-131</b>  Pharmacology and Retinal Toxicity	<b>IS-MO-118</b>  Update in Macular Telangiectasia Type 2
Guadalajara 9	<b>IS-MO-277</b> Angle-Closure and Angle-Closure Glaucoma: All You Wanted to Know but Were Too Afraid to Ask	<b>IS-MO-209</b> Novel Methods to Mass Glaucoma Detection		<b>IS-MO-514</b> Glaucoma as a Neurodegenerative Disease	<b>IS-MO-510</b> Tips in Glaucoma for the General Ophthalmologist



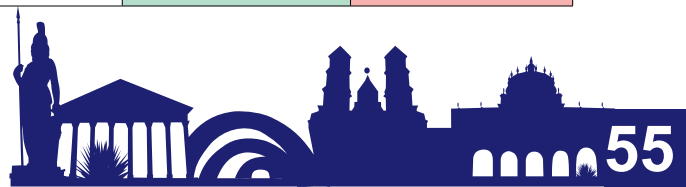


# Schedule at-a-Glance

Monday, February 8<sup>th</sup> 2016

Room - Time	8:30 - 10:00	10:30 - 12:00	12:00 - 14:00	14:00 - 15:30	16:00 - 17:30
Salón de Eventos 1	<b>IS-MO-215</b> State of Public Health in Chile and Paraguay	<b>IS-MO-213</b> WHO / IJCAHPO/ ICO Session: Models of Effective Eye Care Teams		<b>IS-MO-511</b> Glaucoma Challenges in Developing Nations	<b>IS-MO-532</b> Controversies in Cataract and Refractive Surgery
Salón de Eventos 2	<b>INS-MO-1275</b> Surgical Management In Uveitis- A Multidisciplinary Approach	<b>INS-MO-2191</b> Aplicaciones clínicas de la microscopía confocal in vivo y OCT de segmento anterior en la patología corneal		<b>INS-MO-1809</b> Interpretation and Clinical Application of OCT from Retina to Cornea: All You Need To Know	<b>INS-MO-2194</b> Evaluación de la relación estructura-función en glaucoma
Salón de Eventos 3	<b>IS-MO-2338</b> Clínicopathologic Correlation: Case Presentations	<b>IS-MO-2868</b> Histiocytic Tumors and Retinoblastoma		<b>IS-MO-281</b> South American Ophthalmic History	<b>IS-MO-2924</b> Special Symposium on Leadership
Salón de Eventos 4	<b>INS-MO-1917</b> Pediatric Oculoplasty - Recent Advances	<b>INS-MO-551</b> Retinopatía de la prematuridad: qué, porqué, quién, cómo		<b>INS-MO-2298</b> Effective Doctor Communication: Going Beyond Medical Knowledge	<b>INS-MO-1145</b> Less-Than-Perfect Outcomes After Uneventful Cataract Surgery: What Are We Missing?
Salón de Eventos 5	<b>INS-MO-916</b> Retinal Vascular Occlusions- Medical and Surgical Management	<b>INS-MO-1441</b> Cataract Panorama		<b>INS-MO-444</b> Optical Coherence Tomography Angiography	<b>INS-MO-1591</b> Vitrectomía en las diferentes patologías de la interfase vitreomacular
Salón de Eventos 6	<b>INS-MO-1389</b> Glaucoma y miopía	<b>INS-MO-463</b> Low Vision Basics		<b>INS-MO-557</b> Ambliopía vs binocularidad. El reto	<b>INS-MO-996</b> Actualización en tomografía de coherencia óptica y autofluorescencia para el oftalmólogo general
Salón de Eventos 7	<b>INS-MO-2552</b> Intracorneal Ring Segment Implantation in Keratoconus and Corneal Ectasia	<b>FP-MO-7008</b> Corneal Inlays		<b>INS-MO-2353</b> Phacoemulsification in Eyes with Complex Corneal Situations	<b>FP-MO-7006</b> Cornea Imaging, Infections and Surgery
Salón de Eventos 8	<b>FP-MO-7002</b> Anything with Crosslinking	<b>FP-MO-7027</b> Retina: Multimodal Imaging and Therapeutics		<b>FP-MO-7030</b> The Newest Developments in Ocular Oncology	<b>FP-MO-7010</b> Epidemiology for Public Health
Salón de Eventos 9	<b>FP-MO-7025</b> Pediatric Ophthalmology and Strabismus	<b>FP-MO-7020</b> Non Syndromic and Syndromic Strabismus and Visual Rehabilitation in Children		<b>INS-MO-2834</b> Queratocono en niños: Cross-linking o anillos estromales, ¿Estamos en lo correcto?	<b>FP-MO-7018</b> New Developments in Neuro-Ophthalmology
Salón Zapopan	<b>IS-MO-502</b> Helpful Clinical Tips for the Daily Practice of the Busy Practitioner	<b>IS-MO-512</b> Must Knows for Management of End-Stage Neovascular Glaucoma		<b>IS-MO-348</b> Keratoconus	<b>IS-MO-625</b> Mis casos difíciles de órbita, Cómo los abordo (My Tough Orbital Cases, How I Approach Them)
Salón Tonalá	<b>IC-MO-212</b> Hot Topics in Oncology	<b>IS-MO-303</b> Emerging Pharmacotherapies for Posterior Segment Diseases		<b>IS-MO-301</b> Emerging Cell and Gene Based Therapies for Posterior Segment Diseases	<b>CA-MO-175 (ISOO)</b> Rapid Fire Case Presentation
Salón Tlaquepaque	<b>IS-MO-2919</b>   Cataract Surgery Olympics – WOC Mexico 2016	<b>IS-MO-140</b> Retinitis Pigmentosa in the World		<b>IS-MO-466</b> ICO Fellowships and Exams Joint Symposium	<b>IV-MO-2934</b>  RETINAWS

Schedule at-a-Glance



## Monday, February 8<sup>th</sup> 2016

Room - Time	8:30 - 10:00	10:30 - 12:00	12:00-14:00	14:00 - 15:30	16:00 - 17:30
Salón Tequila	<b>IS-MO-129</b> Current Possibilities for ROP Management	<b>IS-MO-137</b> Modern Treatment of Retinal Inherited Diseases		<b>IS-MO-128</b> Management of Complicated Retinal Detachments	<b>IS-MO-136</b> Current Approaches in the Management of Polypoidal Choroidal Vasculopathy (PCV) and Retinal Angiomatous Proliferation (RAP)
Mueble I-II	<b>CA-MO-251</b> Imaging of the Eye and Visual Brain	<b>CA-MO-246</b> New Approaches in Retinal Imaging		<b>CA-MO-246</b> New Approaches in Retinal Imaging	<b>FP-MO-7016</b> Genetic and Vascular Diseases of the Posterior Segment
Joya I-II	<b>IS-MO-159</b> Training Teams to Meet the Public Needs of Eye Care	<b>IC-MO-163</b> Tips for Ophthalmic Educators: Improving Your Presentation Skills		<b>IS-MO-214</b> Telemedicine and Ophthalmology	<b>IS-MO-160</b> Evidence-Based Education: Is It Possible?
Calzado I-II	<b>IS-MO-345</b> Scleral Lenses	<b>IS-MO-344</b> Therapeutics and Contact lenses		<b>FP-MO-7028</b> Service Delivery and Education: Success Stories and Challenges	
Moda	<b>IS-MO-147</b> Implementation of the Global Eye Health Action Plan: Are We on Track?	<b>IS-MO-146</b> The Challenge of Screening, Treating and Training for DR, Glaucoma and AMD in Latin America		<b>IS-MO-10</b> X Reunión Internacional de Antiguos Alumnos del Instituto Barraquer: Cirugía ocular pediátrica	<b>IS-MO-148</b> New Data and Trends on Prevalence and Causes of Visual Impairment
Minerva I-II	<b>INS-MO-2885</b> ABC in Effective Ophthalmic Publishing	<b>FP-MO-7033</b> Uveitis		<b>FP-MO-7015</b> Macular Edema, Laser Vitreolysis	<b>FP-MO-7029</b> The Eye from the Front to the Back
Alcalde	<b>FP-MO-7005</b> Contact Lenses, Ocular Trauma	<b>IC-MO-168</b> Molecular Technologies for Gene Mapping and Functional Follow-Up		<b>IS-MO-192</b> Symposium - Genetic Eye Diseases: Genes, Counseling and Therapies	<b>IS-MO-2937</b> Molecular Mechanisms of Genetic Eye Diseases
Salón Jalisco D-E	<b>E-Posters / Videos</b>				



# Schedule at-a-Glance

## Tuesday, February 9<sup>th</sup> 2016

Room - Time	8:30 - 10:00	11:00 - 13:00	13:00 - 14:00
Guadalajara 6	<b>LO MEJOR DE WOC2016 EN ESPAÑOL</b> 8:30–9:15 Retina 9:15–9:45 Uveitis / visión baja / neuro 9:45–10:30 Oculoplástica	<b>LO MEJOR DE WOC2016 EN ESPAÑOL</b> 11:00–11:30 Glaucoma 11:30–12:00 Cornea 12:00–12:30 Estrabismo Oftalmopediatría 12:30–13:00 Catarata	<b>SE-MO-8 (SMO)</b> <b>13:00-14:00</b> Mesa Redonda Dr. Luis Sánchez Bulnes: Infecciones en oftalmología
Salón Jalisco D-E	<b>E-Posters / Videos</b>		

## Young Ophthalmologists

Day/ Time	Session Code	Title
Saturday 6 <sup>th</sup> 10:30-12:00	<b>IS-SA-294</b>	Rising Stars in Ophthalmology Symposium
Sunday 7 <sup>th</sup> 16:00-17:30	<b>IS-SU-534</b>	Young Ophthalmologist Symposium
Sunday 7 <sup>th</sup> 16:00-17:30	<b>IS-SU-2956</b>	ICO Quiz Elimination Round (First Round)
Monday 8 <sup>th</sup> 08:30-10:00	<b>IS-MO-2955</b>	ICO Quiz (Final Round)
Monday 8 <sup>th</sup> 14:00-15:30	<b>IS-MO-466</b>	ICO Fellowships and Exams Joint Symposium







**Subspecialty Day**  
**Friday, February 5<sup>th</sup> 2016**



# APAAO

## 2016 Taipei

March 24 - 27

Hosts:



Co-sponsor:



The 31<sup>st</sup> Asia-Pacific Academy of Ophthalmology Congress

*in conjunction with*

The 57<sup>th</sup> Annual Meeting of the Ophthalmological Society of Chinese Taipei



## Invited Symposium

**IS-FR-114 / 8:30 - 10:00 /Guadalajara 2**

### Interactive Session

#### Myopia Control: What's New on the Horizon?

Chair(s): *Ian Morgan, Kathryn Rose, Galton Vasconcelos*

#### Description:

The recent epidemic of myopia in East and Southeast Asia, in which 80%-90% of young adults are now myopic, has brought with it an epidemic of high myopia (<-6D) in which from 10% to over 20% of students completing secondary education are now highly myopic, and thus exposed to the high risk of subsequent pathology. There is now considerable evidence that similar trends are appearing on other parts of the world, including Europe and North America, where the prevalence of myopia has now reached 40%-60% in younger adults. As the population ages, these high prevalences of myopia and high myopia will gradually spread through the adult population, making prevention of myopia onset and control of myopia progression a high priority. This symposium covers the evidence that there is a higher risk of uncorrectable visual impairment and blindness associated with high myopia, which increases with increasing myopia and with age. Treatment options for various forms of high myopic pathology will be discussed

Introduction: A New Epidemic of High Myopia  
*Ian Morgan*

Atropine for the Control of Myopia Progression  
*Pei-Chang Wu*

Time Outdoors and the Prevention of Myopia Onset  
*Kathryn Rose*

Orthokeratology for the Control of Myopia Progression  
*Bruce Koffler*

Peripheral Defocus and the Control of Myopia Progression  
*Earl Smith*

**IS-FR-172 / 8:30 - 10:00 /Guadalajara 3**



#### Innovations and Evidence Based Oculofacial Plastic Surgery 2016 Published Studies Since Last WOC (2014–2016) on Techniques, Technologies, Products and Observations

Chair(s): *Alejandra Valenzuela, Hirohiko Kakizaki*

Recent Advances in Oncologic Oculoplastic Surgery and Orbit  
*Bitá Esmaeli*

Technological Innovations in Orbital Reconstruction  
*Gangadhara Sundar*

Fetal Check Ligament Connected Between the Conjunctiva and the Medial and Lateral Recti  
*Hajime Osanai*

Advances in Thyroid Eye Disease  
*Timothy Sullivan*

Aesthetic Periorbital Rejuvenation  
*Reynaldo Javate*

Modern Approaches to the Management of Adnexal Vascular Anomalies  
*David Verity*

**IS-FR-198/ 8:30 - 10:00 /Guadalajara 7**



### Interactive Session

#### Angle Closure Glaucoma - What's New?

Chair(s): *Oscar Albis, Clement Tham, Carlo Enrico Traverso*

Acute Primary Angle Closure- My Strategy in 2016  
*Clement Tham*

Prophylactic Vitrectomy for Angle Closure Glaucoma  
*Christopher Teng*

Non-pupil Block Mechanisms  
*Tiago Prata*

When to Do Iridoplasty  
*Shamira Perera*



High Definition Anterior Segment OCT Analysis of Angle Closure  
*Alfredo Castillejos*

**IS-FR-2952/ 8:30 - 10:00/ Guadalajara 1**

## Dissecting the Cornea: New Trends in Corneal Transplantation

Chair(s): *Julio Hernández, Luis Izquierdo, Mark Mannis*

Endothelial Keratoplasty in the Glaucoma Patient  
*Mark Mannis*

DMEK in Complex Anterior Segment and Vitreous Disease  
*Friedrich Kruse*

Mastering DMEK: Dancing to Success  
*Nicolás Cesario Pereira*

Problem Solving in DALK  
*Vincenzo Sarnicola*

DALK in Special Situations  
*Tarek Katamish*

Superficial Lamellar Keratectomy: Indications  
*Roberto Bellucci*

DALK: What it has taught us about Corneal Ultrastructure?  
*Sadeer Hannush*

**IS-FR-540/ 8:30 - 10:00/ Salón de Eventos 7 & 8**

## Refractive Lens Exchange: Indications, Limitations and Outcomes

Chair: *Naoyuki Maeda*

Description:  
Refractive Lens Exchange in Myopia and Hyperopia; Femtosecond laser for Refractive Lens Exchange

Indication of Refractive Lens Exchange  
*Jorge Alio*

Refractive Lens Exchange in Myopia  
*Sheraz Daya*

Refractive Lens Exchange in Hyperopia  
*Christopher Leung*

Pros and Cons of Femto-Second Laser in Refractive Lens Exchange  
*Zoltan Nagy*

Choice of IOLs in Refractive Lens Exchange  
*George Beiko*

Complications in Refractive Lens Exchange  
*Cecilio Velasco*

**IS-FR-170/ 10:30 - 12:00/ Salón de Eventos 7 & 8**

## Success after Cataract Surgery: Snellen Acuity Is the Only Measure!

Chair: *George Beiko*

Description:  
Measurement of Success after Cataract Surgery, Accommodation and Glare after Surgery

Snellen Acuity: What is It and how did it Become the Standard?  
*Andrzej Grzybowski*

Straylight and Glare: How Relevant is That?  
*Van Den Berg TJTP*

Objective Measurement of Accommodation: Phakic and Pseudophakic Eyes  
*Daniel Neal*

Adaptive Optics; What Does it Tell Us About Visual Function?  
*Pablo Artal*

Corneal Imaging: Does a Cataract Surgeon Need to Consider These?  
*Parag Majmudar*

**IS-FR-197/ 10:30 - 12:00/ Guadalajara 7**

## Hot Topics in Glaucoma 2016

Chair(s): *Ki Ho Park, Remo Susanna*

Vascular Pathogenesis of NTG  
*Jaewan Choi*





IOP Peak Detection its Importance in Glaucoma Management  
*Remo Susanna*

Exfoliation Syndrome in Utah: Epidemiology and New Comorbidities  
*Barbara Wirostko*

The Uveolymphatic Outflow Pathway - Implications for Glaucoma  
*Yeni Yucel*

**IS-FR-255/ 10:30 - 12:00/ Guadalajara 3** 

## Experts Sharing on Oculofacial Plastic Conditions and Complications- Personal/ Referred/ Published Nightmares/ Complications During/ After All Types of Oculofacial Plastic Procedures

Chair(s): *Kelvin Chong, Mohsen Kashkoui, José Luis Tovilla*

### Description:

This symposium will present a collection of personal, referred or published cases of nightmares or complications which may happen during or after various types of oculofacial plastic procedures.

From injectables, common eyelid operations to orbital zand socket surgeries, speakers will discuss the anatomical and patho-physiological bases or postulations how these complications may have occurred and how to avoid and manage them.

Worst Nightmare on Periocular/Socket Reconstruction  
*Santosh Honavar*

Worst Nightmare after Upper Face Lifting  
*Mohsen Kashkoui*

Worst Nightmare after FESS  
*Kelvin Chong*

Worst Nightmare in Orbitotomies - Personal Experience of a Few Cases  
*Daniel Briscoe*

Worst Nightmare in Blepharoplasties  
*José Luis Tovilla*

Worst Nightmare in Ptosis Surgery  
*Rosa Balcells*

Vision Lost in Oculoplastic Procedures  
*Jorge Corona*

**IS-FR-2951/ 10:30 - 12:00/ Guadalajara 1**

## Ocular Surface and Keratoprosthesis

Chair(s): *Victor Pérez, Arturo Ramírez, Siamak Zarei*

Medical vs. Surgical Treatment of OSSN  
*Carol Karp*

Limbal Stem Cell Transplant vs Keratoprosthesis: How do I Choose  
*James Chodosh*

Keratoprosthesis as a First Line Treatment  
*Anthony Aldave*

PROSE for Ocular Surface Disease  
*Mark Rosenblatt*

Simple Limbal Epithelial Transplant  
*Sayan Basu*

Conjunctival Cicatrizing Disease: Differential Diagnosis  
*Harminder Dua*

Ostheodontokeratoprosthesis  
*Victor L. Pérez*

Complications Associated with Glaucoma Drainage Devices and Boston Keratoprosthesis  
*Jennifer Y. Li*

**IS-FR-536/ 10:30 - 12:00/ Salón de Eventos 1, 2, & 3**

## Challenging Video Cases

Chair(s): *Vishal Jhanji, Jorge Alio*

Description: Challenging Video Cases

Argentina Flag Sign in Non White Cataract  
*Ahmed Elmassry*

Bloody Cases in Cataract Surgery  
*Jorge Alio*



To Glue or to Suture  
*Mohan Rajan*

Combined DLK with Cataract Surgery in Scarred Corneas  
*Wei Chen*

Triple Procedure in Glaucoma and Weak Zonules  
*Sarbjit Singh*

The White Abyss  
*Namrata Sharma*

DSAEK in Vitrectomized Eyes  
*Jeewan Titiyal*

How Can We Do Better in ROP Care –The UK and Europe Experience  
*Alistair Fielder*

Progress and Challenges in ROP Management in Mexico and South America  
*Luz Zepeda*

Guidelines for Prevention, Screening and Treatment of ROP: Africa's Perspective  
*Linda Visser*

IPOSC Worldwide Survey on ROP Screening Guidelines  
*Justin Mora*

**IS-FR-115/ 14:00 - 15:30/ Guadalajara 2**

## Challenges and Strategies to Reduce the Burden of ROP Blindness- A Global Perspective

Chair(s): *Shuan Dai, James Elder, Ngoy Kilangalanga*

Description:  
Retinopathy of prematurity (ROP) is a leading cause of childhood visual impairment worldwide in both developing and developed countries. The incidence of ROP is on the rise due to improved survival rate of low birth weight infants in the emerging economies. This symposium is attempted to highlight current global challenges in ROP care, report progresses made and identify potentials for improvement in ROP care in various regions. Eight higher caliber speakers representing all continents of the world will provide attendees valuable updates on the current knowledge of ROP management, from screening guidelines, ROP telemedicine to the use of Anti VEGF.

ROP Blindness-A Global Burden  
*James Elder*

Anti-VEGF for ROP: Are We Injecting too Many, or too Few?  
*Rajvardhan Azad*

Training the Screeners for ROP in Indonesia and South East Asia  
*Rita Sitorus*

Is Telemedicine the Solution for Worldwide ROP Detection?  
*Eric Nudleman*

**IS-FR-185/ 14:00 - 15:30/ Guadalajara 8**

## Medical Retina and Uveitis

Chair(s): *Federico Graue, Anthony Moore*

Swept Source OCT in DME  
*David Pelayes*

Vogt-Koyonagi-Harada Syndrome  
*Carlos Quezada*

White Spots Syndromes: The Challenge of the Differential Diagnosis and Treatment  
*Rodrigo Matsui*

The Medical Treatment of PVR  
*José Dalma*

Atypical Clinical Presentation of Toxoplasmosis  
*Carlos Caballero*

Takayasu Syndrome: A Clinical Presentation and the New Tools for the Diagnosis  
*Federico Graue*

Angiographics Patterns in Myopia Magna and its Relations with Macular Neovascularization  
*Francesc March*

Management of Coats Disease in Children  
*Anthony Moore*

Central Serous Chorioretinopathy: New Trends in Diagnosis and Management  
*Gregorio Gabela*



**IS-FR-196/ 14:00 - 15:30/ Guadalajara 7** 

## New Clinical Pearls to Assess and Manage Glaucoma

Chair(s): *Neeru Gupta, Fabián Lerner*

### Description:

This symposium will provide new practical approaches to detect structural and functional damage in glaucoma, will discuss factors such as lifestyle factors, perfusion pressure and CSF pressure in relation to glaucomatous disease, and will provide insights into potentially useful biomarkers for future care.

The Role of Lifestyle, Nutrition and Supplements in Glaucoma

*Robert Ritch*

New Insights into Recognizing the Unstable Optic Nerve

*Ki Ho Park*

How to Measure the Rate of Glaucoma Vision Loss

*Anand Viswanathan*

What is the Relationship Between Blood Pressure, Perfusion Pressure and Glaucoma?

*Fabián Lerner*

What Does CSF Pressure Have to Do with Glaucoma?

*Ningli Wang*

Pearls for Managing Desperate Glaucoma Cases

*Franz Grehn*

Potential New Biomarkers for Glaucoma Damage in Clinical Practice

*Neeru Gupta*

**IS-FR-2953/ 14:00 - 15:30/ Guadalajara 1**

## Keratoconus and Corneal Ectasia: How to Treat and Prevent

Chair(s): *Michael Belin, Joaquín Lora, Everardo Hernández*

Best Way to Avoid Post-Refractive Surgery Ectasia

*J. Bradley Randleman*

Intereye Asimmetry in Keratoconus

*María Henríquez*

CLEK: Novel Approach for Keratoconus Treatments

*César Carriazo*

Corneal Implants for the Management of Keratoconus

*Paulo Ferrara*

Update in Crosslinking

*Theo Seiler*

Iontophoresis and Crosslinking

*Francois Malecaze*

Toric IOLs in ectatic disease

*Alejandro Navas*

How to diagnose Progression

*Dimitri Azaar*

**IS-FR-533/ 14:00 - 15:30/ Salón de Eventos 1, 2, & 3**

## New Technologies for Cataract Removal

Chair: *Jorge Alio*

### Description:

Femtosecond laser cataract surgery and microincisional cataract surgery

Femtosecond Laser Cataract Surgery: Pros

*Ronald Krueger*

Femtosecond Laser Cataract Surgery: Cons

*Beatrice Cochener*

The Use of Nanolaser in Lens Removal

*Iván Tanev*

Microniscisional Cataract Surgery (MICS): Why Do it?

*Roberto Bellucci*

Is Phaco Energy Necessary at All? Sub US Energy Achievements

*Boris Malyugin*



## IS-FR-539/ 14:00 - 15:30/ Salón de Eventos 7 & 8

### Interactive Session

#### Lenticular or Corneal Laser Refractive Surgery: What Is the Future?

Chair(s): *Guillermo De Wit, Raúl Suárez*

Description:  
Lenticular vs. Corneal Laser Refractive Surgery,  
Management of Astigmatism

Phakic IOLs versus Smile in High Myopia: Who is the Winner?  
*Enrique Graue-Hernández*

Phakic IOLs  
*Guillermo De Wit*

Two Year Follow-up of ICL in Myopic Anisometropic Children  
*Ahmed Elmassry*

Astigmatism in Pseudophakia: Global Nomograms vs Individual Personalization  
*Óscar Guerrero*

Anterior Segment Femto and Refractive Surgery  
*Virgilio Centurión*

## IS-FR-117/ 16:00 - 17:30/ Guadalajara 2

### Trends and Controversies in Pediatric Oculoplastic Surgery

Chair(s): *Scott Larson, Christie Morse, Ángel Nava*

Description:  
This symposium brings together oculoplastic experts from around the world to present the latest information on conditions and surgical techniques related to pediatric oculoplastic surgery. Attendees will learn to classify and evaluate complex pediatric oculoplastic problems, learn new techniques and explore controversies in an interactive format. Topics range from treatment of vascular lesions, orbital malformations, eyelid malposition and pediatric orbital tumors.

Surgical Approaches to the Orbit in Children  
*Yassir Abou-Rayyah*

Controversies in the Repair of Unilateral Congenital Ptosis  
*Erin Shriver*

Propranolol for Infantile Hemangioma- First Choice for Everyone?  
*David Plager*

Treatment of Childhood Lower Lid Epiblepharon with Botulinum Toxin A  
*Ángel Nava*

Pediatric Orbital Oncology and Sight Sparing Treatments  
*Lelio Baldeschi*

Congenital Orbito-Palpebral Malformations  
*José Luis Tovilla*

A Simplified Frontalis Sling Technique for Congenital Ptosis  
*Peter Dolman*

## IS-FR-199 / 16:00 - 17:30/ Guadalajara 7

### Glaucoma Surgery Choices and Controversies

Chair(s): *Félix Gil, Jost Jonas, Rohit Varma*

Description:  
The session will demonstrate the most recent development in antiglaucomatous filtering surgery and tube surgery including the application of minimally invasive device.

Microshunt in Glaucoma Surgery  
*Paul Palmberg*

Making Minimally Invasive Glaucoma Surgery Maximally Effective?  
*Robert Weinreb*

Schlemm's Canal Scaffold  
*Iqbal Ike Ahmed*

Who Would Benefit from a Tube? Changing Indications  
*Keith Barton*

New Glaucoma Surgery: Beyond the Hype  
*Tarek Shaarawy*

## IS-FR-254/ 16:00 - 17:30/ Guadalajara 3



### Sockets and Orbital Reconstruction: What's Hot and What's Not: Eyelid, Orbit, Socket Reconstructions: Implants, Flaps, Grafts (Including Cells Based Therapy)

Chair(s): *Amal Al-Sayyed, Rosa Rubio, Timothy Sullivan*

Types of Implants and Prosthesis  
*Rosa Rubio*

Simple Tips for Evisceration and Enucleation  
*Amal Al-Sayyed*

The Role of Dermis Fat Graft in Socket  
*Christoph Hintschich*

Orbital Reconstruction: 3-IN-ONE  
*Amal Al-Sayyed*

Management of Implant Exposure and Extrusion  
*Timothy Sullivan*

Orbital Grafts in Socket Reconstruction  
*Yasser Khan*

Prosthetic Rehabilitation of the Exenterated Socket  
*Alejandra Valenzuela*

## IS-FR-2950/ 16:00 - 17:30/ Guadalajara 1

### New Challenges in Corneal Infections

Chair(s): *Eduardo Alfonso, Denise De Freitas, Concepción Santacruz*

Management of Infectious Keratitis in Children  
*Vishal Jhanji*

Bacterial Keratitis: How and When to Use Steroids  
*Prashant Garg*

Crosslinking for Infectious Keratitis: The Last Resort?  
*Valeria Sánchez*

Surgical Management of Corneal Infections  
*Alejandro Babayán*

Herpes Simplex Virus Disease of the Anterior Segment in Children  
*Arturo Ramírez*

Trends in Microbiological and Antibiotic Sensitivity Patterns in Infectious Keratitis: 10 Year Experience in Mexico  
*Julio Hernández*

## IS-FR-538/16:00-17:30/Salón de Eventos 1,2,&3

### The Mystery of Keratoconus

Chair(s): *Jorge Alio, Ahmed Elmassry, Theo Seiler*

Description: Management of Keratoconus

Guidelines for Management of Keratoconus  
*Ahmed Elmassry*

Nature and Magnitude of the Problem of Keratoconus  
*Sonia Yoo*

Characterization and Diagnostic Tools of Keratoconus  
*Michael Belin*

Corneal Cross Linking as Tool to Manage Keratoconus  
*Theo Seiler*

The Importance of Grading Keratoconus for Good Indication of Intracorneal Ring Segments  
*Jorge Alio*

Role of High Definition Aberrometers in Diagnosis and Treatment of Irregular Cornea  
*Mohamed Shafik Shaheen*



## Invited Course

**IC-FR-173/ 14:00 - 15:30/ Guadalajara 3** 

### Multidisciplinary Approach in Orbitocraniofacial Conditions- Conditions Requiring ENT, NS, Craniofacial, Maxillofacial, Plastic, Dermatologic Radiologic, Oncologic Input

Chair(s): *Antonio Velasco, Hunter Yuen, Christoph Hintschich*

#### Description:

Orbit is a complex structure with the eyeball, nerves, muscles, blood vessels and orbital fat within a small space. A wide variety of diseases may be encountered and various specialists including ophthalmologists, neurosurgeons, ENT surgeons, plastic surgeons, craniofacial or maxillofacial surgeons, dermatologists, oncologists and interventional radiologists may be involved in the orbital surgeries. The symposium will illustrate orbitocraniofacial plastic conditions requiring such multidisciplinary approach.

Combined PET/CT of Orbital Tumors – New Diagnostic Prospective  
*Christoph Hintschich*

Facial Clefting  
*Don Kikkawa*

Management of Faciocraniosynostoses  
*Antonio Velasco*

Idiopathic Congenital Silent Brain Syndrome  
*Juan Aldecoa*

Hybrid Operation for Orbital Venous Malformation  
*Hunter Yuen*

The Use of 3-D Endoscopy for the Management of Orbital Lesions  
*Sara Plazola*

Use of the Lateral Upper Arm Free Flaps for Soft Tissue Reconstruction of the Contracted Eye Socket  
*Dong-Mei Li*

Craniofacial Trauma Involving the Periorbital Region - The Nuts and Bolts  
*Yasser Khan*

## Case

**CA-FR-186/ 10:30 - 12:00/ Guadalajara 8** 

### Surgical Retina-PPV: The Cutting Edge

Chair: *Lihteh Wu*

#### Description:

A panel of experts will discuss advanced topics in vitrectomy surgery through a interactive case format presentation.

#### Round Table Discussion

*María Berrocal, Audina Berrocal, Mauricio Maia, Virgilio Morales, J. Fernando Arévalo, Hugo Quiroz, Tarek Hassan, Shwu Jiuan Sheu*

## Debate

**DE-FR-188 / 8:30 - 10:00 /Guadalajara 8** 

### Interactive Session

### Medical Retina-Updates in AMD and DME

Chair(s): *J. Fernando Arévalo, Xiaoxin Li*

Debate 1: ICGA Is Needed for the Management of AMD? (ICGA is not needed)  
*J. Fernando Arévalo*

Debate 1: ICGA Is Needed for the Management of AMD? (ICGA is essential)  
*Fumi Gomi*

Debate 2: What Is the Best Anti-VEGF Treatment Regimen for Neovascular AMD? (Treat and Extend)  
*Mehmet Eldem*

Debate 2: What Is the Best Anti-VEGF Treatment Regimen for Neovascular AMD? (As Needed Treatment with Monthly Monitoring)  
*Xiaoxin Li*

Debate 3: What Is the Best First-Line Treatment for DME with Good VA (20/25 or Better)? (Intravitreal Injections)  
*Voraporn Chaikitmongkol*

Debate 3: What Is the Best First-Line Treatment for DME with Good VA (20/25 or Better)? (Macular Laser)  
*Victor Chong*

Debate 4: Should Vitrectomy Be Performed for DME without Traction? (Yes)  
*Marten Brelen*

Debate 4: Should Vitrectomy Be Performed for DME without Traction? (No)  
*Hyeong Gon Yu*

High AC/A Ratio Esotropia: NO Treatment Versus Treatment No Treatment  
*Scott Olitsky*

Duane's Syndrome: Simple Versus Complex Treatment Options For Simple Options  
*Donny Suh*

Duane's Syndrome: Simple Versus Complex Treatment Options Against Simple Options  
*Susana Gamio*

**DE-FR-116/ 10:30 - 12:00/ Guadalajara 2**

**Interactive Session** 

## Strabismus – Debate Format

Chair: *Sonal Farzavandi, Rosario Gómez, Claudia Elena Murillo*

Description:  
The objective of the course is to seek the different views from the panel in the management of various types of strabismus and highly controversial surgical techniques. We will focus on basic and advanced skills for diagnosis of strabismus and techniques of different surgical procedures. We will discuss the use of bifocals and surgery in patients with high AC/A ratio, simple versus complex treatment options in Duane's syndrome, advantages and disadvantages to operate patients during active stage of thyroid myopathy and the benefits and disadvantages of topical anesthesia in strabismus surgery.

Topical Anesthesia for Strabismus Surgery: For  
*Rosario Gómez*

Topical Anesthesia for Strabismus Surgery: Against  
*Luis Ospina*

Surgery During Active Stage of Thyroid Myopathy: For  
*Claudia Elena Murillo*

Surgery During Active Stage of Thyroid Myopathy: Against  
*Sonal Farzavandi*

High AC/A Ratio Esotropia- NO Treatment Versus Treatment For Treatment  
*Vincent Paris*

**DE-FR-187/ 16:00 - 17:30/ Guadalajara 8** 

**Interactive Session** 

## Imaging and Debate

Chair(s): *David Huang, Bruno Lumbroso*

*Dynamic Histopathology – Serial Imaging of Retinal Microvascular Disease Using Adaptive Optics*  
*Richard Weitz*

*Retinal Vascular Perfusion Density Mapping - Adaptive Optics Scanning Light Ophthalmoscopy vs OCT Angiography - New Clinical Tools*  
*Richard Rosen*

*OCT Angiography in Diabetic Retinopathy*  
*Yali Jia*

*OCT-Angiography in CNV Treatment Response*  
*Bruno Lumbroso*

*Fundus Auto Fluorescence Is Better than En Face OCT in the Evaluation of Dry AMD: PRO*  
*Amani Fawzi*

*Fundus Auto Fluorescence Is Better than En Face OCT in the Evaluation of Dry AMD: CON*  
*Nadia Waheed*

*OCT-Angiography Will Replace Fluorescein Angiography in Macular Diseases: PRO*  
*David Huang*

*OCT-Angiography Will Replace Fluorescein Angiography in Macular Diseases: CON*  
*Marco Rispoli*









**Saturday February 6<sup>th</sup> 2016**



## Building a World Alliance For Sight

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- The ICO offers two annual examinations for ophthalmologists in training: the Standard Examination and the Advanced Examination. The Standard Examination has three components: Basic Sciences, Optics and Refraction, and Clinical Sciences.
- The ICO's free Online Foundation Assessment is accessible worldwide at all times and emphasizes the basic and practical ophthalmology learned in the first year of training.
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## Invited Symposium

**IS-SA-109/ 8:30 - 10:00/ Guadalajara 2**

### (ESA) Update on Adult Strabismus

Chair(s): *Rosario Gómez, Silvia Moguel, John Sloper*

#### Description:

This symposium will give an update on the assessment and management of adult patients with strabismus. Speakers will cover the long term outcomes of strabismus surgery in adults; the orthoptic assessment and management of strabismus in older patients; different surgical approaches for patients with high myopia and different types of motility problems; the assessment and management of strabismus in patients with orbital injuries and the assessment and surgical management of patients with sensory strabismus.

Long term Outcomes of Strabismus Surgery in Adults  
*Rosario Gómez*

Senior Strabismus: An Orthoptist's View  
*Chris Timms*

Surgery for Strabismus in High Myopia 1  
*Giovanni Marcon*

Surgery for Strabismus in High Myopia 2  
*Dominique Thouvenin*

Management of Strabismus Following Orbital Injuries  
*Ian Marsh*

Management of Sensory Strabismus  
*John Sloper*

**IS-SA-125/ 8:30 - 10:00/ Salón Tequila**

### Advances and New Techniques in Vitreo-retinal Surgery

Chair: *Virgilio Morales*

Instrumentation  
*Enrique Eng*



Panoramic Viewing Systems  
*Antonio López*

Vitrectomy 20G, 23G, 25G and 27G  
*Armando Sandoval*

Illumination Systems  
*David Chow*

Peristaltic vs Venturi Systems  
*Jesús González*

Management of Complications of Vitreoretinal Surgery  
*Marcos Ávila*

**IS-SA-1/ 8:30 - 9:15/ Guadalajara 7**



### Nutrition for vision

Chair(s): *John M. Nolan, Stephen Beatty*

#### Description:

Session will cover background and function of macular carotenoids, published clinical trial data in patients with early age related macular degeneration and patients with Alzheimer's disease. A discussion on clinical use will follow.

Round table discussion: *Eduardo Torres, Humberto Ruíz*

**SE-SA-1/ 9:15 - 10:30/ Guadalajara 7**

### Special Event: PanAmerican Association of Ophthalmology.

## GRADLE LECTURE:

### Molecular Clues to Understand Retinal Degenerative Diseases: Novel Neuroprotection Mechanisms

*Nicholas G. Bazan*



## IS-SA-130/ 8:30 - 10:00/ Guadalajara 8

### Scope for the Diagnosis and Treatment of Myopia

Chair(s): *Juan Abel Ramírez*

Risks of Phacorefractive Surgery in High Myopia  
*Renzo Godofredo Canote*

Treatment of Myopic Neovascular Membrane  
*José Antonio López*

Retina Detachment Associated to Myopic Macular Hole  
*Jerónimo Nadal*

Gigantic Tear in High Myopia  
*René Cano*

Natural History of High Myopia  
*Daniel Vilaplana*

Treatment of Myopic Foveoschisis  
*Marten Brelen*

Structural Evaluation by OCT in High Myopia  
*Juan Abel Ramírez*

## IS-SA-157/ 8:30 - 10:00/ Salón Tonalá

### Approach to Orbital Tumors in Children

Chair(s): *Steffen Heegaard, Santosh Honavar, Juan Carlos Juárez*

Description:  
The session will give an update on orbital tumours in children. The clinical and paraclinical examinations on these patients will be discussed. The newest management of these tumours from the world's leading cancer centers will be presented.

Image Diagnosis  
*Luis Javier Cárdenas*

Orbital Tumors in Children: A Histopathological Survey  
*Steffen Heegaard*

Clinical Diagnosis in Orbital Tumors  
*Juan Carlos Juárez*

Management of Pediatric Orbital Tumors  
*Santosh Honavar*

Best Surgical Approach to Orbital Tumors in Children  
*Gerardo Graue*

Management of Optic Nerve Tumors in Children and Young Adults  
*Bita Esmaeli*

## IS-SA-171/ 8:30 - 10:00/ Calzado I & II

### (ARVO) Ocular Infectious Diseases: Cutting Edge Research from the Clinic

Chair(s): *Justine Smith, Steven Yeh*

Description:  
This ARVO sponsored symposium will present the latest clinical research in ocular infectious diseases.

Ocular Fluid Diagnostics for Intraocular Infections  
*Janet Davis*

Cytomegalovirus Anterior Eye Infections  
*Shigeru Kinoshita*

Molecular Diagnosis of Bacterial and Fungal Ulcers  
*Lalitha Prajna*

Treatment of Herpetic Eye Infections  
*Steven Yeh*

## IS-SA-193/ 8:30 - 10:00/ Moda

### Inherited Diseases Associated with Eye Anomalies

Chair(s): *Rubens Neto Belfort, Michael Hauser, Cristina Villanueva*

Description:  
Clinical guidelines for diagnosis of inherited eye diseases and systemic syndromes.

Advances in Gene Therapy in Retinoblastoma  
*Patricia Chevez*

Ectopia Lentis and Related Diseases  
*Vianney Cortés*

Mitochondrial Disease and the Eye  
*Patrick Yu Wai Man*

Co-management in Patients with the Bardet Biedl Syndrome  
*Natalio Izquierdo*

Gene Specific Retinal Findings in Leber Congénital Amaurosis (LCA)  
*Irene Maumenee*

High Myopia Syndromes  
*Chris Hammond*

The Use of Carbonic Anhydrase Inhibitors in the Treatment of X linked Juvenile Retinoschisis  
*Elias Traboulsi*

## IS-SA-200/ 8:30 - 10:00/ Mueble I & II

### Evolving Concepts in the Management of Non Infectious Uveitis

Chair(s): *Hyung Woo Kwak, H. Nida Sen, Manfred Zierhut*

Description:  
As our understanding of disease mechanisms evolves, approach to ocular inflammatory diseases changes. In this session, new approaches to diagnosis and treatment of uveitis will be discussed.

Primary Vitreoretinal Lymphoma (PVRL); What's New?  
*H. Nida Sen*

Anti TNF alpha Drugs in Uveitis: Beyond JIA and Behcet's Disease  
*Elisabetta Miserocchi*

Biologics and Macular Edema  
*Manfred Zierhut*

Role of Ocular Tissue/ Fluid Sampling in Uveitis  
*Philip Murray*

Optimal Treatment for Anterior Uveitis  
*Hyung Woo Kwak*

## IS-SA-219/ 8:30 - 10:00/ Salón de Eventos 1

### Future Role of ICT Advances in Eye Care, Including Impact of M Health

Chair(s): Robert Chang, Anthony Vipin

Description:  
This session will discuss the latest updates in mobile and web based programs to improve eye care. Participants will receive an overview of the rapidly evolving landscape in healthcare IT and mHealth industry and then receive updates about technologies specific to ophthalmology.

The Use of Mobile Technology to Improve Eyedrop Compliance  
*Manishi Desai*

3d Printing and Hackathons, Potential for Ophthalmology?  
*Robert Chang*

Updates in Retinopathy of Prematurity Telehealth Programs  
*R. V. Paul Chan*

Unified Visual Communications in Ophthalmology  
*Giselle Ricur*

EyeSmart EMR Making Eye Care Delivery Smarter in the Developing World  
*Anthony Vipin*

## IS-SA-222/ 8:30 - 10:00/ Salón de Eventos 3

### Eye Injuries in Children and in Elderly Patients

Chair(s): *Petra Meier, Hugo Ocampo*

Description:  
In this session epidemiology, prevention, and strategies of management of eye injuries in children and elderly patient will be discussed.

Epidemiology of Eye Injuries in Children and Elderly Patients  
*Arne Viestenz*

Prevention of Eye Injuries in Children and Elderly Patients  
*Ferenc Kuhn*



Current Management of Posterior Segment Trauma in Pediatric Eyes  
*Petra Meier*

Pole to Pole Surgery  
*Césare Forlini*

Considerations for Repairing Open Globe Injuries in Elderly Patients  
*Wolfgang Schrader*

Importance of Management of Corneal Astigmatism After Corneal Laceration in Children and Elderly Patients  
*Siamak Zarei*

Traumatic Cataract in Children. When to Remove?  
*Arturo Ramírez*

Current Strategies for Preventing VRP  
*Valentina Franco*

Challenge and Achieving Success in Primary Eyelid Lacerations  
*Cristina Hidalgo*

Managing Residual Deformities of the Eyelid and Face  
*Michael Grant*

Updates on Primary Lacrimal Trauma  
*Rosa Balcells*

Management of Late Lacrimal Deformities  
*Xianqun Fan*

Reconstructing the Orbital Strut Made Easy  
*Gangadhara Sundar*

Orbitofacial Trauma: How Do We Get it Right the First Time?  
*Alexander Schramm*

**IS-SA-265/ 8:30 - 10:00/ Guadalajara 3**

## Orbital, Eyelid and Lacrimal Trauma Tips and Tricks Trauma: Overall Management Protocol, Investigations, Strategies, Techniques, Products, Complications

Chair(s): *Rosa Balcells, Xianqun Fan, Gangadhara Sundar*

### Description:

The session on Tips and Tricks on Orbitofacial Trauma, will have experts from around the globe with expertise in various aspects of orbit, lacrimal, eyelid and facial trauma from both within the oculoplastic speciality and from outside facial plastic surgery, oral and maxillofacial surgery. The experts shall cover various simple and complex topics on various challenging aspects of eyelid trauma (simple and complex lacerations of the eyelid and managing residual deformities of the eyelid and the face), lacrimal trauma (management of primary upper and lower system lacrimal trauma and management of late punctal and canalicular obstructions) and orbital trauma, (reconstructing the orbital strut using anatomic prefabricated plates with pre bending techniques, principles and management of complex orbitofacial reconstruction). The session will be educative and illustrative with both case based and principles based multimedia presentations, followed by an interactive discussion of challenging cases between the audience and the panel experts.

**IS-SA-2938/ 8:30 - 10:00/ Salón Tlaquepaque**

## Interactive Session

## WOC Day of Landmark Advancements (2014–2016) Ocular Oncology and Pathology, Uveitis and Ocular Inflammation, Pediatric Ophthalmology and Strabismus, and Neuroscience and Regenerative Medicine

Chair(s): *Rubens Belfort, Emilio Campos*

### Description:

A review of the progress in ocular oncology and pathology, uveitis and ocular inflammation, Pediatric Ophthalmology and Strabismus, and neuroscience and Regenerative Medicine from 2014–2016.

WOC Landmark Advancements in Ocular Oncology and Pathology  
*Jasmine Francis*

WOC Landmark Advancements in Uveitis and Ocular Inflammation  
*Rubens Belfort*

WOC Landmark Advancements in Pediatrics Ophthalmology and strabismus  
*Emilio Campos*

WOC Landmark Advancements in Neuroscience and Regenerative Medicine  
*Masayo Takahashi*

## IS-SA-349/ 8:30 - 10:00/ Alcalde

### Anti VEGF Therapy for Retinal Angiogenic Diseases: Evidence Based Update

Chair(s): *Jans Fromow, Gerardo García-Aguirre*

#### Description:

This symposium will give an update in the current scientific evidence based knowledge related to the use of anti VEGF agents in different retinal diseases.

Evidence Based Update on Anti VEGF Therapy for Age Related Macular Degeneration  
*Mauricio Maia*

Evidence Based Update on Anti VEGF Therapy for Diabetic Macular Edema  
*Paul Mitchell*

Evidence Based Update on Anti VEGF Therapy for Retinal Vein Occlusion  
*Victor Chong*

Evidence Based Update on Anti VEGF Therapy for Myopic Macular Degeneration  
*Raúl Velez*

Evidence Based Update on Anti VEGF Therapy for Polypoidal Choroidal Vasculopathy  
*Tock Han Lim*

Evidence Based Update on Anti VEGF Therapy for Retinopathy of Prematurity  
*Audina Berrocal*

What is Missing from the Evidence for Anti VEGF Therapy for Retinal Angiogenic Diseases  
*J. Fernando Arévalo*

## IS-SA-405/ 8:30 - 10:00/ Guadalajara 4



### (Dominican Society of Ophthalmology and Spanish Society of Ophthalmology) Surgical Techniques in Corneal Transplantation

Chair(s): *José Benitez, Miguel López*

Glaucoma Surgery After DSAEK  
*Francisco Munoz*

Femtosecond Laser Use in Keratoplasty  
*Rafael Barraquer*

Different Cross Linking Techniques in Keratoconus  
*Ricardo Cuiña*

Anterior Lamellar Keratoplasty  
*Joaquín Lora*

DSEK Experience at the Bascom Palmer Eye Institute  
*Juan Batlle*

Management, Experience and Results of the Boston Type 1 Keratoprosthesis in the Dominican Republic  
*Miguel López*

## IS-SA-513/ 8:30 - 10:00/ Guadalajara 9

### Current Functional and Structural Evaluations for the Early Detection of Glaucoma

Chair(s): *Jesús Jiménez-Román, Joel Schuman, Remo Susanna*

#### Description:

This session will present the present status of functional and structural evaluations for glaucoma diagnosis, as well as the correlation between each other. Mention the racial differences and the future in diagnoses methods.

Current Status in Imaging Detection for Glaucoma  
*Joel Schuman*

Optic Nerve Head OCT interpretation  
*Waleed Tantawy*

Correlation Between Functional and Structural Evaluations: RGC Loss  
*Rafael Castañeda*



Future Horizons of Imaging Evaluations for Early Detection  
*Augusto Paranhos*

The Importance of Race Dependent Structural Differences for Glaucoma Screening  
*C. Gustavo De Moraes*

Ganglion Cell Complex Analysis in the Diagnosis of Glaucoma  
*Goji Tomita*

**IS-SA-517/ 8:30 - 10:00/ Guadalajara 5**

## Diagnosis, Prevention and Management of Primary and Secondary Ectasia

Chair(s): *Vishal Jhanji, Everardo Hernández*

Description:  
Diagnosis, prevention and management of primary and secondary ectasia.

The Tragedy of Secondary Ectasia in Modern Era  
*Gustavo Tamayo*

Diagnosis of Post Refractive Surgery Corneal Ectasia  
*Everardo Hernández*

Role of Intracorneal Ring Segments Corneal Ectasia  
*David Touboul*

PRK for High Myopia  
*Vishal Jhanji*

Can We Decently Propose PRK Combined with Flash Crosslinking?  
*Daniel Epstein*

Is Intrastromal Laser Correction Safer Than Photo Ablation?  
*Simonetta Morselli*

**IS-SA-103/ 10:30 - 12:00/ Salón Zapopan**

## Controversies in Neuro Ophthalmology

Chair(s): *Sophia Chung, Ángelina Espino, Lynn Gordon*

Description:  
This symposium will address some of the most controversial problems in neuro ophthalmology. There is no absolute agreement on how to manage these problems and experts will present all debatable views.

Is There Treatment for Traumatic Optic Neuropathy?  
*Dean Cestari*

Are Neuro imaging Studies Indicated in CN VI Paralysis?  
*Sophia Chung*

Should All Patients with Myasthenia Receive Steroids?  
*Gordon Plant*

Surgical Treatment of Pseudotumor Cerebri  
*Prem Subramanian*

Autoimmune Optic Neuritis  
*Ellen Shaoying Tan*

Are There Any Effective Treatments for LHON?  
*Patrick Yu Wai Man*

**IS-SA-108/ 10:30 - 12:00/ Guadalajara 2**

## (EPOS) Surgical Challenges in Paediatric Ophthalmology, Non Cataract

Chair(s): *Alicia Serra, Marco Antonio Soto, Nikolas Ziakas*

Advances and Current Management in Blepharophimosis Syndrome  
*Artur Klett*

Lacrimal Surgery  
*Marco Antonio Soto*

Penetrating Keratoplasty  
*Gerald Zaidman*

Penetrating Keratoplasty  
*Ken Nischal*



Ectopia Lentis  
*Nikolas Ziakas*

Goniotomy  
*Alicia Serra*

Retinoblastoma a Challenge for Pediatric Ophthalmologists in Small Countries  
*Sandra Valeina*

## IS-SA-134/ 10:30 - 12:00/ Salón Tequila

**Interactive Session** 

### Retinal Imaging in 2016

Chair: *Jans Fromow*

Description:  
This symposium has the aim to present the current advances in some of the most important retina imaging techniques in 2016.

Autofluorescence Practice and Use in 2016  
*David Rivera*

OCT Choroidal Imaging in Retina Clinical Practice  
*Lihteh Wu*

Wide Field OCT in 2016  
*Hugo Quiroz*

OCT Angiography  
*Humberto Ruíz*

Multimodality Retina Imaging Approaches in Retina Diseases  
*Roberto Gallego*

Retina OCT Pearls in the Management of Wet AMD  
*David Lozano*

Retina OCT Pearls in the Management of DME  
*Juan Abel Ramírez*

Combined Retina Imaging Techniques for Specific Pathologies  
*Michael Engelbert*

## IS-SA-158/ 10:30 - 12:00/ Joya I & II

**Interactive Session** 

### Teaching Ophthalmology to Medical Students and General Doctors: What's New Around the World?

Chair(s): *Zelia Correa, Catherine Green, Juan Verdaguer*

Description:  
During this session, a variety of strategies for teaching Ophthalmology to medical students and general doctors will be discussed.

The Need to Improve Ophthalmic Education in Medical Schools  
*Catherine Green*

The Pan American Association of Ophthalmology Online Course for Medical Students  
*Ana Palis*

The Use of Mobile Technology for Improving Teaching and Learning  
*Eduardo Mayorga*

Teaching Ophthalmology Examination Skills to Medical Students and General Practitioners  
*Zelia Correa*

Mobile Resources for Teaching Medical Students and General Doctors  
*Giselle Ricur*

Teaching Medical Students in the Clinic  
*Karl Golnik*

Online Teaching of Diabetic Eye Care for General Medical Doctors  
*Juan Verdaguer*



## IS-SA-203/ 10:30 - 12:00/ Mueble I & II

### (SPEIO) Utility of Imaging Procedure in the Diagnosis and Follow Up of Ocular Inflammation

Chair(s): *Lourdes Arellanes, Careen Lowder, Cristina Muccioli*

#### Description:

During this symposium several ophthalmic imaging procedures will be discussed. Their utility in diagnosis and follow up of ocular inflammatory diseases will be discussed.

EDI OCT in the Follow up of VKH

*Luz Elena Concha*

US Findings and Their Prognostic Implications in the Convalescent Phase of VKH

*Rashel Cheja Kalb*

Fundus Autofluorescence and OCT Angiography in Uveitis

*Careen Lowder*

Multiview OCT and Multimodal Imaging in Uveitis

*H. Nida Sen*

Wide Field Angiography in Uveitis

*Francesco Pichi*

Final Remarks

*Rubens Belfort*

## IS-SA-220/ 10:30 - 12:00/ Salón de Eventos 1

### Socioeconomics of Diabetic Retinopathy: Delivering Sustainable Solutions by Linking Eye Care and Diabetes Services

Chair(s): *Nathan Congdon, Nick Kourgialis*

Bangladesh as a Model of Collaboration Between Ophthalmology and the National Diabetic Organization to Deliver Sustainable Care for DM and DR

*Mahi Muqit*

Bangladesh as a Model of Collaboration Between Ophthalmology and the National Diabetic Organization to Deliver Sustainable Care for DM and DR  
*Abu Raihan*

Private Service Delivery Models of Diabetes and DR care in India, and How to Make Them Sustainable  
(Kim Ramasamy & Dr. Mohan)

*Kim Ramasamy*

Sustainable Models of DR Care in Latin America  
(Fernando Barría and Pablo Aschner)

*Fernando Barría*

Using Electronic Decision Making to Enhance Patient Self Management for DR as a Model of Sustainable Care in Areas of Limited Resources  
(Lesley Podesta and Alicia Jenkins)

*Lesley Podesta*

Challenges in Linking DR Screening with NHS Diabetes Services in the UK: Sustainable Models of Care in Developed Economies

(Peter Scanlon and David Cavan)

*Peter Scanlon*

## IS-SA-224/ 10:30 - 12:00/ Salón de Eventos 3

### Ocular Traumatology: Controversial Issues

Chair(s): *José Dalma, Ferenc Kuhn, Arne Viestenz*

#### Description:

Trauma surgery has several controversial issues due to variety of ocular trauma itself. We will discuss the most common ocular trauma controversies and try to address them in a didactic manner.

PVR Prevention: Are Buckles Effective for PVR Prevention?

*Ernest Boiko*

Timing and Steps of Wound Repair: the 100 Hour Limit

*Ferenc Kuhn*

Timing and Steps of Wound Repair: 100% Repair, Pole to Pole Surgery

*Césare Forlini*

Traumatic Endophthalmitis: Prophylaxis and Treatment Strategies  
*Gregorio Gabela*

Traumatic Endophthalmitis: Oil/Gas and Antibiotics  
*Wolfgang Schrader*

PVR Prevention: Is Primary Vitrectomy Effective for PVR Prevention?  
*Sundaram Natarajan*

PVR Prevention: Is Pharmacology Effective for PVR Prevention?  
*José Dalma*

Are Primary IOL's the Best Options in Trauma Surgery  
*Arne Viestenz*

**IS-SA-260/ 10:30 - 12:00/ Guadalajara 3**

## From Lab to Lane Research Breakthroughs That Change Our Practice: Laboratory Based Research with Important Translational Implication and Change Our Practice.

Chair(s): *Bita Esmaeli, Ángel Nava, George Saleh*

Description:  
Recent advances in the field of ophthalmic plastic surgery and orbit will be discussed to include: new developments in surgical techniques, molecular findings, and multi disciplinary management of Graves disease, orbital tumors, ocular adnexal cancers, orbital inflammatory syndrome and vascular tumors of the orbit, and the use of Botox for hypersecretion of tears.

Botulinum Toxin in the Treatment of Lacrimal Glandular Hypersecretory Disorders  
*Ángel Nava*

Recent Advances in Orbital and Adnexal Oncology  
*Bita Esmaeli*

Multi Modality Management of Thyroid Eye Disease: Role of Surgery, Radiation, and Biologics  
*Vivian Yin*

Emergent Translational Technologies in Oculoplastics  
*George Saleh*

Emerging Treatments for Adnexal Arterio Venous Malformations  
*David Verity*

Therapeutic Advances for Orbital Inflammation  
*M. Reza Vagefi*

**IS-SA-278/ 10:30 - 12:00/ Guadalajara 9**

## Recent Advances in Normal Tension Glaucoma

Chair(s): *Makoto Araie, Ki Ho Park, Robert Ritch*

Description:  
This course covers the recent advances in the epidemiology, risk factors, early detection, long term prognosis, and treatment of NTG. Specifically, the course will provide recent knowledge on sleep apnea, cerebrospinal fluid pressure, lamina cribrosa deformation, and myopia, and their clinical relevance in NTG.

Early Detection and Risk Factors of NTG  
*Ki Ho Park*

Epidemiology of NTG  
*Makoto Araie*

Sleep Apnea and NTG  
*Robert Ritch*

CSF Pressure and NTG  
*Ningli Wang*

Long Term Prognosis and Surgical Treatment of TG  
*Tetsuya Yamamoto*

Lamina Cribrosa Deformation and Pathogenesis of NTG  
*Tae Woo Kim*

Myopia and NTG  
*Kazuhisa Sugiyama*



## IS-SA-2922/ 10:30 - 12:00/ Moda

### Artificial Vision

Chair(s): *Marten Brelen, Peter Gabel, Mark Humayun*

Argus II Epiretinal Prosthesis  
*Mark Humayun*

Surgical Technique of the Subretinal Implant  
*Johann Roeder*

Subretinal Implantation and Functional Results of the Alpha IMS Chip to Restore Vision in 29 Blind Retinitis Pigmentosa Patients  
*Helmut Sachs*

Seoul Artificial Retina Project  
*Jong Mo John Seo*

Preclinical Validation of Visual Restoration Approaches on Non Human Primates  
*Serge Picaud*

The Bionic Vision Australia Suprachoroidal Retinal Prosthesis  
*Lauren Ayton*

The OPTIVIP Project: Restoring Visual Sensation Through Electrical Stimulation of the Opt  
*Marten Brelen*

C Sight Visual Prosthesis: Current Status Update  
*Q Ren*

## IS-SA-2927 10:30 - 12:00/ Salón Tlaquepaque

### Interactive Session

### WOC Day of Landmark Advancements (2014–2016) Cornea and External Eye Disease, Cataract Surgery, Nanotechnology and Bioengineering, and Refractive Surgery

Chair(s): *Sally Atherton, Carlo Montemagno*

Description:

A review of the progress in cornea and external eye disease, cataract surgery, nanotechnology and bio engineering and refractive surgery from 2014–2016.

WOC Landmark Advancements in Cornea and External Eye Disease  
*Sally Atherton*

WOC Landmark Advancements in Cataract Surgery  
*Richard Packard*

WOC Landmark Advancements in Nanotechnology and Bioengineering  
*Carlo Montemagno*

WOC Landmark Advancements in Refractive Surgery  
*Peter McDonnell*

## IS-SA-2931/ 10:30 - 12:00/ Guadalajara 8

### (ASRS) Global Retina

Chair: *Kourous Rezaei*

Description:

Cutting edge topics in the field of retina will be discussed by a global faculty.

Personalized Medicine in Ocular Oncology: Role of Microincisional Vitrectomy Surgery and Genetic Profiling for Targeted Treatment  
*Timothy Murray*

Pars Plana Vitrectomy with Juxtapapillary Laser Photocoagulation (JLP) Versus Vitrectomy without JLP for the Treatment of Optic Disc Pit Maculopathy  
*J. Fernando Arévalo*

OCT Angiography in Wet AMD  
*Nadia Waheed*

Recent Trends in Epiretinal Membrane Surgery  
*Kazuaki Kadonosono*

Face down Positioning Is Not Necessary for Macular Holes  
*Ehab El Rayes*

Management of Myopic Macular Hole  
*José García*

Diabetic Macular Edema: Direct Comparison of Intravitreal Ranibizumab vs. Dexamethasone Implant  
*Tarek Hassan*

Perfluoron in Macular Surgery  
*Virgilio Morales*

The Natural and Surgical Anatomy of the ILM Implications for Retinal Surgery  
*Kirk Packo*

Pigment Epithelial Detachments Associated with Wet AMD: Features and Management  
*Patricio Schlottmann*

## IS-SA-294/ 10:30 - 12:00/ Calzado I & II

### (PAAO) Rising Stars in Ophthalmology

Chair(s): *Sandra Belalcázar, Ger Rens*

Medical and Surgical Management for Conjunctival Tumors  
*Pedro Salazar*

Cataract Refractive Surgery: The Value of the Femto second Laser  
*David Perlmutter*

Macular and Retinal Fiber Layer Changes after Pars Plana Vitrectomy and Their Prognostic Factors  
*Cristina Gabela*

Orbital Decompression in Thyroid Associated Orbitopathy  
*Gerardo Graue*

Combined Treatments in the Management of Corneal Ecstasia  
*Alejandro Lichtinger*

## IS-SA-2940/ 10:30 - 12:00/ Salón de Eventos 7

### Learn from the Experts: How to Raise Funds for Your Worthy Causes?

Chair(s): *Ahmed Abdulla Ahmed, David Pyott, Babar Qureshi*

Description:  
This symposia is aimed at bringing out best practices

from the experts who have made a difference in their areas of work by raising funds to meet the needs of the community. The symposium will provide insight to identifying needs, developing a strategy and then implementing the strategy with high impact outcomes.

Making a Targeted Submission to Potential Donors  
*David Pyott*

Building Credibility, the Foundation for Fundraising  
*Ahmed Abdulla Ahmed*

Warm Up Exercise of Fundraising  
*Kgao Edward Legodi*

High Impact Results Best Leverage to Large Funding  
*Babar Qureshi*

Fundraising for Institutional Building: My Experience  
*Gullapalli Rao*

## IS-SA-412/ 10:30 - 12:00/ Alcalde

### The Cornea and Glaucoma: Evidence Based Management of Challenging Clinical Issues

Chair(s): *Richard Abbott, José Paczka*

Description:  
This symposium will give an update in the current scientific evidence based knowledge related to the medical and surgical management of glaucoma and corneal diseases.

The Effect of Ocular Surface Disease on Glaucoma Management  
*Richard Abbott*

Glaucoma After PKP: Incidence, Risk Factors and Management  
*Paulo Dantas*

Risks in Performing Corneal Transplantation in Patients with Glaucoma Shunts  
*Enrique Graue-Hernández*

Developmental Glaucomas of Childhood and the Cornea: Diagnosis and Management  
*Amel Ouertani*



Surgical Management of Refractory Glaucoma after Penetrating Keratoplasty  
*Juan Rueda*

Clinical Implications of Corneal Biomechanics during the Glaucoma Management Process  
*Jesús Jiménez*

Challenging Decision: Refractive Surgery on the Glaucoma Patient  
*Fabián Lerner*

Conclusions  
*José Paczka*

**IS-SA-531 10:30 - 12:00/ Guadalajara 5**

**New Technologies in Refractive Imaging and Corneal Lasers**

Chair(s): *Beatrice Cochener, Vishal Jhanji*

Description:  
New Technologies in Refractive Imaging and Corneal Lasers

Intraoperative OCT During LASIK  
*Vishal Jhanji*

High Resolution OCT in Refractive Surgery  
*Naoyuki Maeda*

New Alignment Platforms for Toric IOIs Implantation  
*Catherine Ganem*

High resolution OCT in Refractive Surgery  
*Beatrice Cochener*

Evolution of Imaging Guidance in Femtocataract  
*Roberto Bellucci*

Confocal Microscopy in Refractive Surgery  
*Sanjay Patel*

**SE-SA-2/ 10:30 - 11:15/ Guadalajara 7**

**Evento Especial Sociedad Mexicana de Oftalmología**

Presiden: *Francisco Beltrán Díaz de la Vega- Presidente de la Sociedad Mexicana de Oftalmología*

*Rafael Sánchez Fontán- Vicepresidente del Comité Organizador WOC2016 / XXXIII Congreso Mexicano de Oftalmología*

**Conferencia Magistral “Dr. Manuel Uribe y Troncoso”**

**Eduardo Moragrega Adame: El arte de hacer clientela**

Presenta: Guillermo Salcedo

**SE-SA-3/ 11:15 - 12:00/ Guadalajara 7**

**Mesa Redonda Magistral “Dr. Anselmo Fonte Bárcena”**

**José Luis Tovilla: Oftalmopatía en enfermedad de Graves: enfoque multidisciplinario**

Panelistas: Raúl Macedo, Mauricio Turati, Alfio Piva

**12:00 - 12:15**

**Consejo Mexicano de Oftalmología: ceremonia de cambio de mesa directiva**

**IS-SA-182/ 14:00 - 15:30/ Minerva I & II**

**(Mexican Society of Ophthalmology and Ecuadorian Society of Ophthalmology Most Frequent Causes of Blindness in Our Countries**

Chair(s): *Francisco Beltrán, Luis Sarrazin*

Description:  
Mexico and Ecuador are two Latin American countries that have at the same time similarities and differences in postgraduate education, health system regulations, medical coverage, and eye disease distribution. The joint Symposium has as a main objective, to



## IS-SA-112/ 14:00 - 15:30/ Guadalajara 2

discuss the data of prevalence of the most important eye diseases that cause blindness in our population, current policies for early detection and treatment, and strategies to improve low vision prevention and care.

Causes of Corneal Blindness in Mexico  
*Juan Carlos Ochoa*

Corneal Ectasia According to Region and Altitude in Ecuador  
Christian Sancho Pontón

Causes of Glaucoma Blindness in Mexico  
*Mauricio Turati*

Glaucoma as Cause of Blindness in Ecuador  
*Carlos Chacón*

Cataract as Cause of Blindness in Mexico  
*Erick Mendoza*

PLAN VISIÓN: Prevention of Blindness from Cataract in Ecuador  
*René Cabrera*

Causes of Blindness from Retinal Diseases  
*José Luis Rodríguez*

Diabetic Retinopathy as a the Main Cause of Blindness from Retinal Diseases in Ecuador  
*Mario Pólit Macías*

Causes of Blindness Secondary to Inflammatory Diseases of the Eye  
*Manuel Garza*

Infantile Cataract as a Cause of Severe Visual Disability in Ecuador  
*Andrea Molinari*

## (CLADE) Alternativas terapéuticas en diferentes tipos de estrabismo / Therapeutic Alternatives in Different Types of Strabismus

Moderadores: *Arturo Espinosa, Carlos Sousa, María Arroyo*

### Descripción:

El Consejo Latinoamericano de Estrabismo (CLADE) presenta mediante la modalidad de mesas redondas diferentes estrabismos complejos. Especialistas en estrabismo de América Latina participarán mediante el análisis y la discusión presentando sus alternativas de tratamiento en diferentes tipos de estrabismo. Esta modalidad permite una participación interactiva y crea interesantes debates temáticos.

Se presentarán casos clínicos y videos que ayudarán a ejemplificar y enriquecer aún más la discusión sobre las diferentes alternativas de tratamientos.

El Simposio CLADE "50 Aniversario" será de utilidad tanto para el oftalmólogo general como para el oftalmólogo infantil y también para el estrabólogo avanzado.

El participante conocerá las opciones para tratar quirúrgicamente a los pacientes con parálisis del oblicuo superior, las consecuencias de las alternativas de tratamiento y los posibles resultados utilizando las técnicas discutidas por los ponentes, conocerá las diferentes alternativas para tratar a los pacientes con nistagmo, las técnicas y sus posibles resultados y aprenderá a analizar los casos de estrabismo postquirúrgicos, las alternativas para el tratamiento de los mismos y los posibles resultados

Alternativas quirúrgicas para parálisis del oblicuo superior  
Carlos Sousa

Alternativas quirúrgicas para parálisis del oblicuo superior  
Mauro Goldsmith

Alternativas quirúrgicas para parálisis del oblicuo superior  
Raúl Macedo



Alternativas para el tratamiento del nistagmo  
Arturo Espinosa

Alternativas para el tratamiento del nistagmo  
Anselmo Fonte

Alternativas para el tratamiento del nistagmo  
Maria Susana Chiapero

El estrabismo postquirurgico  
Maria Arroyo

El estrabismo postquirurgico  
Fernando Prieto

El estrabismo postquirurgico  
Delfina Ortiz

El estrabismo postquirurgico  
Claudia Elena Murillo

**IS-SA-2/ 14:00 - 15:30/ Guadalajara 7** 

## Temas controversiales de manejo: retina vs. uvea

Moderadores: *José Luis Rodríguez, Matilde Ruíz*

Descripción:  
Se presentan mesas de debate con temas y casos clínicos de enfermedades en común de las áreas de retina y uvea, particularmente aquellas donde el manejo médico o quirúrgico sea controversial

Toxoplasmosis ocular. Manejo médico y quirúrgico, caso clínico  
*Patricia Navarro*

Panelistas: *Federico Graue, Juan Manuel Jiménez, Carmen Lizana, Renata García, Cynthia Espinoza*

Pars planitis. Manejo médico y quirúrgico, caso clínico  
*José Luis Rodríguez*

Panelistas: *Miguel Pedroza, René Cano, Luz Elena Concha, Citlali Lara, José Antonio Unzueta*

Vasculítis de retina. Manejo médico y quirúrgico, caso clínico  
*Stephanie Voorduin*

Panelistas: *Claudia Recillas, Manuel Garza, Vanessa Flores, Gabriela Ortega, Benito Celis*

Necrosis Retiniana. Manejo médico y quirúrgico, caso clínico  
*Matilde Ruíz*

Panelistas: *Luis Porfirio Orozco, Erandi González, Abel Ramírez, Rashed Cheja, Humberto Ruíz*

Edema Macular Quístico no diabético crónico Manejo médico y quirúrgico, caso clínico  
*Virgilio Morales*

Panelistas: *Lourdes Arellanes, Alejandro Rodríguez, Gabriela López, Milton Maldonado, Arturo Santos*

**IS-SA-127/ 14:00 - 15:30/ Guadalajara 8** 

## Molecular Biology, Genetics and Immunology in Vitreoretinal Diseases

Chair: *Valentina Franco*

Human Embryonic Stem Cells for Dry AMD and Stargardts Disease  
*Steve Schwartz*

Advances in Diagnosis and Treatment of Inherited Retinal Diseases  
*Juan Zenteno*

Ocular Albinism and Herman Pudalk Syndrome  
*Natalio Izquierdo*

Molecular Biology of Epiretinal Membranes: Epithelial Mesenchymal Transition in Proliferative Vitreoretinopathy  
*Ricardo Casaroli*

Genetics of Retinoblastoma  
*Jonathan Kim*

Leber Congénital Amaurosis and its Genetic Spectrum  
*Lucas Fares*

Nanoliposomes and Microspheres as Novel Delivery Systems for Intravitreal Therapies  
*Siamak Zarei-Ghanavati*



## IS-SA-143/ 14:00 - 15:30/ Salón Zapopan

### Basic Clinical Questions in NeuroOphthalmology

Chair(s): Tamar Gómez, Satoshi Kashii, Cristian Luco

#### Description:

This symposium will address the differential diagnosis of several common clinical neuro ophthalmologic scenarios. The speakers will provide answers and management strategies for clinical questions that commonly present to ophthalmologists.

Is the Visual Loss Real or Non Organic?  
*Rashmin Gandhi*

Is it True or Pseudo Optic Disc Edema?  
*Sansal Gedik*

Is the Visual Loss from Maculopathy or Optic Neuropathy?  
*Carmen Chan*

Is The Optic Neuropathy Glaucomatous or Non-Glaucomatous  
*Satoshi Kashii*

Is it Strabismus or Neurogenic Eye Movement Abnormalities?  
*Tamar Gómez*

Should I Worry About this Patient's Nystagmus?  
*Emely Karam*

## IS-SA-144/ 14:00 - 15:30/ Salón Tequila

### (The Macula Society) Advances in the Treatment of Neovascular AMD

Chair(s): *Paul Sternberg, J. Fernando Arévalo*

Introduction to the Symposium: Management of Neovascular Age Related Macular Degeneration  
*Paul Sternberg*

Which Anti VEGF Agent? Evidence from Comparative Effectiveness Trials  
*Lihteh Wu*

Which Anti VEGF Agent? What About Other Evidence?  
*J. Fernando Arévalo*

Which Follow up Regimen? Monthly Monitoring? Treat and Extend?  
*Charles Wykoff*

Prevention and Monitoring Strategies for Neovascular AMD  
*David Callanan*

What about Atrophy when Treating Neovascular AMD?  
*Paul Sternberg*

Future Therapies for Neovascular AMD  
*David Brown*

Case Studies, Summary and Future Directions, Moderator  
*H. Richard McDonald*

Panelist Case Studies, Summary and Future Directions  
*Audina Berrocal, Paul Chan, Francisco Rodríguez, Jorge Arroyo*

Panelists + moderator: *H. Richard McDonald, Audina Berrocal, Paul Chan, Francisco Rodríguez, Jorge Arroyo*

## IS-SA-174/ 14:00 - 15:30/ Guadalajara 4

### (Cornea Society) Symposium: Dystrophies, Degenerations, and Genetics

Chair(s): *Friedrich Kruse, Mark Mannis*

#### Description:

With the advent of more advanced genetic studies, it became obvious that the anatomic / phenotypic classification of corneal dystrophies, while clinically useful, lacked genetic and/or biochemical support. The International Committee for Classification of Corneal Dystrophies (IC3D) published its first update of the dystrophies in 2008 and the IC3D represented a monumental change in our understanding of the genetic makeup of the corneal dystrophies. Many dystrophies thought to be discreet where found to have the same genetic cause, while other dystrophies did not appear to have a true genetic basis.

The Cornea Society sponsored symposium will update the audience on changes to the dystrophy classifications since the 2008 publication. The symposium will stress



the most clinically important features and will discuss both medical and surgical management. Because of the often confusing distinction between dystrophies and degenerations, an overview of clinically important degenerations will also be discussed. Finally, the potential future of gene modification will be discussed.

Clinically Important Corneal Degeneration  
*Marian Macsai*

PTK and Deep Lamellar Keratoplasty in Anterior Corneal Dystrophies  
*Berthold Seitz*

Surgical Treatment of Fuchs Endothelial Dystrophy: How & Why it Varies  
*Woodford VanMeter*

Corneal Dystrophies Masquerading as Recurrent Erosion Syndrome  
*Walter Lisch*

Gene Modification: How it May Help the Corneal Dystrophies  
*Anthony Aldave*

Pediatric Corneal Dystrophies  
*Ken Nischal*

**IS-SA-202/ 14:00 - 15:30/ Mueble I & II**

## **(IUSG) Evidence Based Management of Uveitis**

Chair(s): *Debra A. Goldstein, Philip Murray, Manfred Zierhut*

Description:  
The participant will gain insight into the degree of evidence supporting many of our treatment decisions in uveitis, and learn the current treatment paradigms best supported by current evidence.

Advantage and Disadvantage of EBM  
*Philip Murray*

EBM and Ocular Behcets Disease  
*Manfred Zierhut*

Evidence Based Medicine and Ocular Toxoplasmosis  
*Alejandra De La Torre*

Evidence Based Medicine and Vogt Koyanagi Harada disease  
*Moncef Khairallah*

Evidence Based Medicine and JIA Associated Uveitis  
*Debra A. Goldstein*

**IS-SA-218/ 14:00 - 15:30/ Salón de Eventos 1**

## **Experiences in Improving Eye Care Services through the WHO Health System Approach**

Chair(s): *Haroon Awan, Ivo Kocur, Ramachandra Parararajasegaram*

Description:  
This session will showcase the World Health Organization's (WHO) health system approach.

Identification of Needs in Eye Care Service Provision by the Health System Approach  
*Ivo Kocur*

Experience from Pakistan: The Critical Benefits of the Health System Approach in Building Improved Eye Care Services  
*Haroon Awan*

Experience from Colombia: Why is the Health System Approach Indispensable for the Development of Integrated Comprehensive Eye Care  
*Juan Silva*

Experience from India: The Role of the Health System Approach for Securing Resources Through Evidence Based Advocacy  
*Gullapalli Rao*

What Works: Lessons Learnt on Integrating Eye Care in the National Health Systems  
*Serge Resnikoff*

**IS-SA-288/ 14:00 - 15:30/ Guadalajara 9**

## (AGS) Managing Glaucoma in Resource Limited Settings

Chair(s): *Syril Dorairaj, Kuldev Singh*

### Description:

This session will focus on identifying the unique obstacles for efficient and effective care of patients with glaucoma in resource limited settings. Methods to overcome these obstacles will also be discussed including the use of telemedicine and ancillary team members. The future implications of growing demand on eye care professionals will also be discussed with focus on how government agencies can play a part in enhancing access to care and improving outcomes towards reducing blindness from glaucomatous optic neuropathy.

How Should Ancillary Testing Be Used?  
*Kuldev Singh*

How Do Governments Factor Into Care Access?  
*León Herndon*

What Is The Role Of Telemedicine in Glaucoma Management?  
*Michael Boland*

What Will Be the Global Burden of Glaucoma In the Future?  
*David Friedman*

What Is the Cost of Medical, Laser, and Surgical Therapy For Glaucoma?  
*Joshua Stein*

What Are Models For Glaucoma Care Delivery In Underdeveloped Countries?  
*Anthony Realini*

**IS-SA-2926/ 14:00 - 15:30/ Salón Tlaquepaque** 

## Interactive Session

## WOC Day of Landmark Advancements (2014-2016) - Glaucoma, Neuro Ophthalmology, Ophthalmic Education and Orbits and Oculoplastics

Chair(s): *Santosh Honavar, Robert Weinreb*

### Description:

A review of the progress in glaucoma, neuro ophthalmology, ophthalmic education, and orbits and oculoplastics from 2014 - 2016.

WOC Landmark Advancements in Glaucoma  
*Robert Weinreb*

WOC Landmark Advancements in Neuro Ophthalmology  
*Karl Golnik*

WOC Landmark Advancements in Ophthalmic Education  
*Eduardo Mayorga*

WOC Landmark Advancements in Orbits and Oculoplastic  
*Santosh Honavar*

**IS-SA-2946/ 14:00 - 15:30/ Guadalajara 6**

## Post Cataract Infectious Endophthalmitis



Chair(s): *Tat Keong Chan, Quresh Maskati*

### Description:

This symposium will give a comprehensive outline of endophthalmitis following cataract surgery. The content consists of 4 broad sections:

1. Risk factors identified from large databases such as the Swedish National Cataract Register.
2. Clinical diagnosis based on common presenting clinical features and differentiating infection from other non infective causes of increased postoperative inflammation.
3. Antibiotic prophylaxis: preferred practice patterns and evidence based recommendations (topical versus intracameral approach).



4. Management aspects including surgical management and counselling of patients and their relatives.

Risk Factors for Endophthalmitis After Cataract Surgery: Perspective from the Swedish National Cataract Register  
*Mats Lundstrom*

Endophthalmitis or TASS? Clinical Approach for the Cataract Surgeon  
*Tat Keong Chan*

Should We Use Intracameral Antibiotics? Evidence and Practice Patterns  
*David Chang*

Why I Don't Use Intracameral Antibiotic  
*William Culbertson*

Surgical Pearls for the Treatment of Endophthalmitis: A Vitreoretinal Surgeon's Perspective  
*Mohan Rajan*

Dealing with Grieving and Hostile Patients and Relatives: Tips, Do's and Don'ts  
*Quresh Maskati*

## IS-SA-2948/ 14:00 - 15:30/ Salón Tonalá

### Controversies in Cataract Surgery

Chair(s): *Arup Chakrabarti, Marie-José Tassignon*

Femto Phaco: I Prefer Phaco  
*Richard Packard*

Femto phaco: I Prefer Femto  
*Zoltan Nagy*

Treating Vitreous Floaters Through Pars Plana Vitrectomy  
*Sundaram Natarajan*

Treating Vitreous Floaters with the Laser  
*Marie-José Tassignon*

Anterior Vitrectomy: Pars Plana  
*Césare Forlini*

## IS-SA-305/ 14:00 - 15:30/ Calzado I & II

### Alternative Therapeutic Modalities in Eye Disease

Chair(s): *Jost Jonas, Changwon Kee, Maneli Mozaffarieh*

#### Description:

Many diseases of aging, including the neuro degenerative and conformational disorders, have abnormalities in hemodynamics and cellular dysfunction and senescence. The most important in the eye are macular degeneration, glaucoma and cataract.

Gene environment interactions are also important, being influenced by nutrition, exercise, ultraviolet radiation, smoking, and other factors.

Traditional medicine, which has existed in every society throughout history and is being rediscovered as plant sources of new drugs are being discovered in the rapidly disappearing rain forests, and which was most advanced in Chinese and Ayurvedic systems, are potentially effective in benefiting diseases with components of hemodynamics and cellular function, mitochondrial dysfunction, oxidative damage, and inflammation.

Although no neuroprotective pharmaceutical agents have yet been proven to benefit eye diseases, many available natural compounds have actions which may do so.

This symposium includes coverage of three highly important supplements: curcumin, Ginkgo biloba extract, and omega 3 fatty acids, in addition to current knowledge of the roles of diet, exercise, and acupuncture. The possibility of improving vision through electric current stimulation will be addressed.

The Role of Acupuncture in Eye Disease  
*Deepinder Dhaliwal*

Diet and Eye Disease: Implications for Gene Environment Interactions  
*Johanna Seddon*


The Role of Curcumin in Eye Disease  
*Makoto Araie*

The Role of Ginkgo Biloba Extract in Eye Disease  
*Maneli Mozaffarieh*

Omega 3 Fatty Acids and Eye Disease  
*Sandra Fernando Sieminski*

Are Exercise and Meditation Good for Eye Disease?  
*Joséph Panarelli*

Vision Restoration and Visual Field Improvement  
*Raimund Alber*

**IS-SA-338/ 14:00 - 15:30/ Guadalajara 3** 

**(ASOPRS) New Surgical Approaches in Oculoplastics**

Chair(s): *Wendy Lee, Marcus Marcet*

**Description:**

The aim of the session is to expand the field of interest of ophthalmologists beyond the upper and lower eyelids, and offering new concepts beside traditional excisional surgery. The session will focus on approaching the center of the face as a single aesthetic unit that can be approached as such or can be divided in its sub units. The role of fillers and fat grafting will be extensively explained and various techniques of face lifting will be presented. At the end of the session the participants will have an extensive knowledge of the most updated concepts of facial aging, with volume loss and tissue descent and will be able to recognize where and when a facial filler or fat grafting will be indicated. The session starts with two talks on face lifting, the first a basic talk on how to address the lower face and the neck and the second the endoscopic approach to the upper face. The modern indications on how to achieve superior results in the sub units of the lower eyelid/cheek and upper eyelid/eyebrow are subsequently proposed; filling the face with modern fillers and/or fat grafting close the aesthetic part, while the final lecture will describe how to avoid and to address complications originating from previous aesthetic procedures.

Update on Lasers in Oculoplastic Surgery  
*Wendy Lee*

Lateral Upper Lid Crease Approach to the Canthus, Midface and Beyond  
*Tanuj Nakra*

Surgical Techniques for Correction of Lower Eyelid Entropion  
*Chris Alabiad*

Evolution and Advances in Posterior Approach Eyelid Surgery  
*Marcus Marcet*

Orbitofacial Osseointegration: Lessons Learned  
*Cat Burkat*

Novel Approaches to Deep Orbital Tumors  
*Edward Wladis*

Techniques in Lacrimal Surgery  
*Sara Wester*

**IS-SA-351/ 14:00 - 15:30/ Alcalde**

**Evidence based Medicine in Strabismus and Pediatric Ophthalmology**

Chair(s): *Jan Tjeerd De Faber*

**Description:**

In this symposium an overview of the current evidence for medical treatment is revealed. The impressive lack of evidence based medicine in the pediatric ophthalmology and strabismus is a hurdle which needs to climb in the daily practice but is also lowered by basic and clinical research.

EMB in Orthoptics  
*Daisy Godts*

EBM in Anterior Segment Anomaly Treatment  
*Travis Pollock*

Amblyopia: A PEDIG perspective  
*Jonathan Holmes*

EBM in the Daily Practice of a Pediatric Ophthalmologist  
*Frank Martín*

EBM in Pediatric Cataracts What Can We Learn from the IATS?  
*Edward Wilson*

Evidence Based Medicine in Strabismus Surgery  
*Marcelo Gaal Vadas*



## IS-SA-494/ 14:00 - 15:30/ Moda

### (ARVO) Ophthalmic Research: Understanding the Basics

Chair(s): *Bertil Damato, Tero Kivela*

#### Description:

This session will provide an overview of the “do’s and don’ts” for those early (and middle) career scientists and academic clinicians involved in organizing research projects for undergraduate and postgraduate degrees, in establishing their own research groups, and in writing papers and grants. The speakers are all experienced in supervising students, in writing scientific peer reviewed papers, and play significant roles in the editorial process of journals. The symposium attendee is certain to come away with valuable ‘tips and tricks’, improving their future success in the above areas.

The Essentials of Research Study Design  
*Steffen Heegaard*

The ‘Ins and Outs’ of Grant Writing  
*Sarah Coupland*

Five Things Never to do When Publishing a Paper  
*Tero Kivela*

The ‘Ins and Outs’ of English Scientific Language  
*Bertil Damato*

What is the Journal Reviewal Process?  
*Arun Singh*

## IS-SA-521/ 14:00 - 15:30/ Guadalajara 5

### Management of Complications of Refractive Surgery

Chair(s): *Nada Jabbur, Gerard Sutton*

Description: Complications of refractive surgery.

Prevention and Management of Complications in SMILE  
*Simonetta Morselli*

Ocular Surface Dryness after Refractive Surgery  
*Beatrice Cochener*

Phakic IOLs Complications, How to Prevent  
*Gerard Sutton*

Unsatisfied Patients after Presbyopia Surgery  
*Roberto Belluci*

The Role of Mitomycin C in Surface Laser Treatments  
*Parag Majmudar*

Infectious Keratitis after Corneal Refractive Procedures  
*Nada Jabbur*

## IS-SA-110/ 16:00 - 17:30/ Guadalajara 2

### (IPOSC) Innovations in Planning and Performing Pediatric Cataract Surgery

Chair(s): *Sherwin Isenberg, Nikolas Kozeis, Derek Sprunger*

#### Description:

Overview: Cataract surgery for a child is not simply adult cataract surgery on a smaller eye. Many considerations, from pre operative to the procedure and beyond, are unique to the pediatric population. With an international approach, this symposium will lead the participant through the challenging pre, intra and post operative decision making steps for this truly special group of patients.

Target Audience: This program is specifically designed for ophthalmologists involved in the care of pediatric patients with cataract.

Epidemiology and Pre & Post Operative Considerations for Cataract Surgery  
*Sherwin Isenberg*

How Do We Determine if a Cataract Is Visually Significant?  
*José Pérez*

When and How to Work up a Pediatric Cataract  
*Nikolas Kozeis*

When Should the Surgeon Consider an Intraocular Lens?  
*Edward Wilson*

Surgery in Special Situations: Uveitis, Subluxation, Rubella and More  
*Kalpana Narendran*

Missing the Bag, the Artisan Solution  
*Jan Tjeerd De Faber*

Secondary IOLs: When and How  
*Abhay Vasavada*

Post Operative Worries: Glaucoma, Amblyopia, Strabismus and More  
*Derek Sprunger*

## IS-SA-124/ 16:00 - 17:30/ Salón Tequila

### Interactive Session

#### Controversies in the Management of Complications of Diabetic Retinopathy

Chair(s): *René Cano*

Macular Grid vs Micropulse Laser for DME  
*Gerardo García*

Laser vs Injections  
*Francisco Rodríguez*

Vitreous Surgery for DME (Tractional and Non Tractional)  
*René Cano*

Preoperative Avastin in PDR Surgery, Do We Need it?  
*Manuel Sáenz De Viteri*

Unimanual vs Bimanual Surgery for Complicated PDR  
*Juan Abel Ramírez*

Combined Phaco Vitrectomy in Diabetic Patients, Pros and Cons  
*Julio Urretz*

Swept Source OCT and Subumbral Laser Treatment in DME  
*David Pelayes*

## IS-SA-3/ 16:00 - 17:30/ Guadalajara 7

### Quando la oftalmología pediátrica y el estrabismo coinciden

Moderadores: *Ángela María Fernández, Víctor Villar, Federico Vélez, Mario Nájera, Raúl Macedo*

#### Descripción:

Muchas de las alteraciones oftalmológicas del paciente pediátrico tienen como asociación o complicación el desarrollo de estrabismo que requiere de un manejo particular dependiendo del origen. Se analiza el abordaje integral de pacientes con síndrome de Down, catarata congénita, complicaciones estrabológicas del tratamiento del glaucoma infantil estrabismo en las malformaciones craneofaciales y alteraciones neurológicas más frecuentes.

Alteraciones corneales en síndrome de Down.  
*Diana Varón*

Características clínicas del estrabismo en el síndrome de Down  
*Ma. Estela Arroyo*

Panelistas: *Ma. Estela Arroyo, Diana Varón, Andrea Molinari*

Rehabilitación del paciente con catarata congénita.  
*Vanessa Bosch*

Estrabismo y catarata congénita, características clínicas y tratamiento  
*Jessica Vargas*

Panelistas: *Vanessa Bosh, Jessica Vargas, José Fernando Pérez*

Glaucoma congénito: Diagnóstico actual.  
*Enriqueta Hoffman*

Estrabismo secundario a implantes válvulares.  
*Gerardo García*

Panelistas: *Óscar Albis, Gerardo García, Enriqueta Hoffman*

Proptosis y malformaciones craneo faciales en el recién nacido.  
*Juan Carlos Juárez*



Manejo del estrabismo en craneosinostosis.  
*Tzilacatzin Hernández*

Panelistas: *Juan Carlos Juárez, Tzilacatzin Hernández, Claudia Hernández*

Lo que debo conocer en neuro oftalmología infantil  
*Irene Olhovich*

Manejo del estrabismo en parálisis cerebral infantil  
*Alejandra Aguilar*

Panelistas: *Irene Olhovich, Alejandra Aguilar, Martín Gallegos*

## IS-SA-132/ 16:00 - 17:30/ Guadalajara 8



### Antiangiogenics and Macular Edema

Chair(s): *Enrique Roig*

General Pathophysiology of Macular Edema  
*Humberto Ruíz*

Advances in Treatment of Diabetic Macular Edema and the Relevance of the Patient's Profile in the Safety of the Treatment  
*Juan Manuel Jiménez*

Avastin in DME  
*Sergio Bonafonte*

Lucentis in DME  
*Patricio Schlottmann*

Aflibercept in DME  
*Víctor González*

Combined Therapies and Controversies in Maintained Efficacy Long Term Between Antiangiogenics  
*Arturo Santos*

Pharmacotherapy in Development for DME  
*Quan Nguyen*

## IS-SA-201/ 16:00 - 17:30/ Mueble I & II

### New Developments in the Diagnosis and Management of Infectious Uveitis

Chair(s): *Moncef Khairallah, Claudia Recillas, Shwu Juan Sheu*

Description:

In this session the recent advances in the diagnosis and management of infectious uveitis will be discussed. The topics cover full range of pathogens, including ocular tuberculosis, *Klebsiella pneumoniae* endophthalmitis, ocular toxoplasmosis, intraocular infection in HIV patients and emerging arthropod borne disease. Challenging cases will be included so that the audiences can understand more and incorporate into real world practice.

Recent Advances in Diagnosis and Management of Ocular Tuberculosis  
*Kalpna Murthy*

Recent Advances in Diagnosis and Management of *Klebsiella Pneumoniae* Endophthalmitis  
*Shwu Juan Sheu*

Recent Advances in Ocular Toxoplasmosis  
*Rubens Belfort*

Recent Advances for the Diagnosis of Intraocular Infections in HIV Patients  
*Matilde Ruíz*

Recent Advances in Diagnosis and Management of Emerging Arthropod Borne Diseases  
*Moncef Khairallah*

## IS-SA-208/ 16:00 - 17:30/ Guadalajara 9

### (CGS) Imaging of the Optic Nerve and Retina in sification: What's New and What's Clinically Relevant?

Chair(s): *Neeru Gupta, Paul Harasymowycz, Marcelo Nicolela*

Description:

In this session, participants will be gain practical knowledge regarding the use of OCT imaging in clinical practice that should enhance the care they offer for





their glaucoma patients. Topics will include RNFL as well as ganglion cell imaging using several currently available OCT devices, and will touch on both glaucoma diagnosis as well as glaucoma progression. Several practical clinical cases will be presented as well.

What is New in RNFL Imaging?  
*Devesh Varma*

What is New in Macular Imaging?  
*Hady Saheb*

How Do I Use Imaging to Help Me Diagnose Glaucoma?  
*Andrew Crichton*

How Do I Use Imaging to Help Me Monitor Glaucoma?  
*Marcelo Nicolela*

Practical Approach: Discussion of Clinical Cases  
*Catherine Birt*

## IS-SA-217/ 16:00 - 17:30/ Salón de Eventos 1

### Integrating School Eye Health, Low Vision and Rehabilitation into Eye Care Programs

Chair(s): *Jill Keeffe, Hassan Minto*

Amblyopia Detection and Management in Low income and Rural Schools  
*Liliana Laurencio*

Health Care Services to Detect Vision Problems in Preschool Age Children  
*Frank Martín*

Vision Champions: Child to Child Detection of Vision Problems  
*Hassan Minto*

Evidence based approaches in Myopia Control  
*Mingguang He*

The Education Vision Assessment Clinic to Recommend Services for Children with Low Vision or Blind  
*Jill Keeffe*

Addressing Low Vision in Education and Rehabilitation  
*Vanessa Bosch*

## IS-SA-2613/ 16:00 - 17:30/ Guadalajara 3



### Broadening Our Scope: Advanced Facial Aesthetic Surgery

Chair(s): *Tanuj Nakra, Ana Rosa Pimentel, Vinod Gauba*

Basics of Lower Face and Neck Lifting  
*Tanuj Nakra*

Aesthetics of the Lower Eyelid Cheek Junction  
*Ana Rosa Pimentel*

Injectable Facial Implants  
*Sabrina Shah Desai*

Rejuvenation of the Upper Eyelid Brow Aesthetic Unit  
*Vinod Gauba*

Autologous Fat Transfer and Periorbital Surgery  
*Sean Blaydon*

Addressing Complications of Cosmetic Blepharoplasty  
*Ronald Mancini*

## IS-SA-2918/ 16:00 - 17:30/ Alcalde

### Medical Malpractice Systems Around the Globe: A Comparative Overview

Chair(s): *Sally Atherton, Kenneth Larywon, Robert Ritch*

Description:

The symposium will explore medical malpractice law in each speaker's country, with topics including, but not limited to, the legal basis for malpractice actions, whether these cases are presented before a judge/jury, and caps on awards against physicians and hospitals. Additionally, speakers will discuss current trends in the speakers' host country, such as the types of cases being brought against ophthalmologists.

Medical Malpractice in India  
*Sunil Moreker*

Medical Malpractice in Japan  
*Kenji Minemura*

Medical Malpractice in New York/USA  
*Kenneth Larywon*



Medical Malpractice in California/USA  
Patrick Kearns

Medical Malpractice in Mexico  
Jorge Pérez

## IS-SA-2925/ 16:00 - 17:30/ Salón de Eventos 3

### (Pan American Ocular Pathology Society “Lorenz E. Zimmerman”) Current Topics in Intraocular Tumors

Chair(s): *Miguel Burnier, Patricia Chevez, Abelardo Rodríguez*

Retinoblastoma  
*Patricia Chevez*

Leiomyoma of the Ciliary Body  
*Dolores Ríos*

Uveal Melanoma  
*Miguel Burnier*

Ocular Metastases  
*Ivette Hernández*

Fine Needle Aspiration Biopsy of Suspected  
Intraocular Tumors  
*Zelia Correa*

Uveal Pseudomelanoma  
*Abelardo Rodríguez*

Melanocytoma of the Ciliary Body  
*J. Antonio Bermúdez*

## IS-SA-2928/ 16:00 - 17:30/ Guadalajara 5

### (Portuguese Society of Ophthalmology and Brazilian Council of Ophthalmology) Astigmatism: How to Correct?

Chair(s): *Mauro Nishi, María Joao Quadrado*

Description:  
Anterior segment specialists from Portugal and Brazil will be presenting different strategies dealing with astigmatism correction.

Total Correction of Astigmatism Is Always Beneficial?  
*Mauro Nishi*

Pre operative Evaluation and Toricity  
*Filomena Ribeiro*

Screening for Ectasia and the Percentage of Tissue Altered  
*Marcony Santhiago*

Topo Guided Ablations for Irregular Astigmatism  
*María Joao Quadrado*

Influence of Astigmatism for Multifocal IOLs  
*Marco Rey*

Toric IOL's  
*Miguel Trigo*

Toric IOLs Positioning in 2016  
*Gustavo Víctor*

Correction of High Astigmatism by Femtosecond Laser  
*Antonio Limao*

## IS-SA-293/ 16:00 - 17:30/ Calzado I & II

### Eye Care Personnel and Training: Essential to Effective Eye Care

Chair(s): *Lynn Anderson, Karl Golnik*

Description:  
This course will address expanding human resources through educational and training initiatives for the eye care team. Presenters representing various international organizations will give insight into their regions' educational models and best practices to train the eye care team.

Keys to Developing Successful Educational Programs for the Eye Care Team  
*Lynn Anderson*

Implementation of Training and Continuing Education for Technicians  
*Carlos Restrepo*

Best Practices in Training an Effective Eye Care Team  
*Eydie Miller*

Trinidad and the Caribbean Successes in Training Technicians  
*Sonja Johnston*

Critical Components for Expanding Human Capacity: An International Perspective  
*Karl Golnik*

**IS-SA-2939/ 16:00 - 17:30/ Salón Tlaquepaque**

**Interactive Session**

**WOC Day of Landmark Advancements (2014–2016) Medical Retina, Surgical Retina, Ocular Imaging, and Ocular Genetics**

Chair(s): *J. Fernando Arévalo, Marco Zarbin*

Description:  
A review of the progress in Medical Retina, Surgical Retina, Ocular Imaging, and Ocular Genetics from 2014-2016.

WOC Landmark Advancements in Medical Retina  
*Marco Zarbin*

WOC Landmark Advancements in Surgical Retina  
*J. Fernando Arévalo*

WOC Landmark Advancements in Ocular Imaging  
*David Huang*

WOC Landmark Advancements in Ocular Genetics  
*Tin Aung*

**IS-SA-2941/ 16:00 - 17:30/ Joya I & II**

**(ARVO) Worldwide Advocacy for Eye Research: What you can learn from the ARVO Chapters**

Chair(s): *Juan Gallo, Martine Jager, Gullapalli Rao*

Description:  
The Association for Research in Vision and Ophthalmology (ARVO) is the largest eye research organisation worldwide, and has as one of its goals to stimulate eye research in different parts of the world. ARVO now has many local Chapters, each of which promote eye research in their own country in their

own way. In this session, experienced researchers will share their approach on how to: obtain research money, bring people together, and inform the public about new developments in eye research. Researchers will include the leaders of the chapters of ARVO Egypt, ARVO NED, BRAVO, SEE ARVO and ARVO INDIA, among others.

ISVER: Stimulating Research From the Start  
*Jacob Pe'er*

SEE ARVO: Research in South East Europe  
*Petja Vassileva*

HARVO: Research and Blindness Prevention  
*Janos Nemeth*

AIVO: Clinic and Research  
*Juan Gallo*

ARVONED: How To Start Raising Money  
*Martine Jager*

ARVO EGYPT: Starting a New Chapter  
*Abdallah Hassouna*

CARVO: Research in Colombia  
*Carlos Medina*

MARVO: Research in Host Country Mexico  
*Jans Fromow*

IT ARVO: How To Stimulate Research  
*Filippo Drago*

**IS-SA-355/ 16:00 - 17:30/ Guadalajara 6**

**Combined Astigmatism Correction with Phaco**

Chair: *Marie-José Tassignon*

Description:  
Corneal astigmatism correction is one of the most important acts to improve patient's unaided visual acuity. This symposium will address the different issues regarding correction of corneal astigmatism. The corneal plane seems to be the most natural approach. Providing certain rules are respected, the lenticular plane can be as effective than the corneal plane to correct corneal astigmatism during cataract surgery. In respect to what to promise to the patient, the shape of the astigmatism to correct must meet



some criteria. Learning how to read corneal topography of anterior and posterior curvature is therefore imperative.

Indications and Techniques for Correction of Astigmatism at the Corneal Plane  
*Jesper Hjortdal*

Wavefront Guided Laser in Situ Keratomyleusis for Primary or Secondary Correction of Corneal Astigmatism  
*Nada Jabbur*

Corneal, Lenticular, Total Astigmatism  
*Beatrice Cochener*

Toric Bag in the Lens Concept  
*Marie-José Tassignon*

The Preoperative Measurement of Corneal Astigmatism  
*Warren Hill*

Changing Definition of Corneal Astigmatism  
*Tommy CY Chan*

## Invited Course

**IC-SA-141/ 8:30 - 10:00/ Salón Zapopan**

### Pediatric Neuro Ophthalmology

Chair(s): *Graciela García, Karl Golnik, Pinar Aydin*

Description:  
This session will address various topics of importance in the diagnosis and management of children that may be seen by comprehensive ophthalmologists as well as specialists in pediatric ophthalmology and/or neuro ophthalmology. Experts in the field will provide practical state of the art guidelines based on latest evidence.

Cerebral Visual Impairment and How it Affects the RNFL  
*Lena Jacobson*

Intracranial Hypertension in Children  
*Ariadna Silva*

Infantile Nystagmus Syndromes  
*Grisel González*

What is Infantile Nystagmus? Non organic Visual Loss in Children  
*Karl Golnik*

Myasthenia Gravis in Children  
*Graciela García*

Update on Phakomatoses  
*Cristian F. Luco*

**IC-SA-178/ 10:30 - 12:00/ Salón Tonalá**

### (SOE) Update on Uveal Melanoma

Chair(s): *Tero Kivela, Jacob Pe'er, Stefan Seregard*

Description:  
There is wide range of diagnostic and therapeutic options for uveal melanoma. This session is dedicated to issues that will play a significant role in management of this entity. Strength and weaknesses compared to other approaches will be emphasized as well as likely developments in the near future.

Surgical Management of Large Uveal Melanomas  
*Norbert Bornfeld*

An Introduction to the World of Uveal Melanoma  
*Stefan Seregard*

Results from Transcleral Biopsies of Uveal Melanoma  
*Laurence Desjardins*

Managing Small Uveal Melanomas  
*Tero Kivela*

Adjuvant Anti VEGF Agents in the Management of Uveal Melanoma  
*Leónidas Zografos*

Endoresection after Proton Beam Radiotherapy for Uveal Melanoma  
*Nathalie Cassoux*

The Search for Serum Biomarkers for Metastatic Uveal Melanoma  
*Jacob Pe'er*

Patient reported Outcomes after Treatment of Uveal Melanoma  
*Bertil Damato*

## IC-SA-162/ 14:00 - 15:30/ Joya I & II

### Interactive Session

#### Preparing A Good Multiple Choice Question Exam For Your Students

Chair(s): *Clare Davey, Simon Keightley, María Yadarola*

##### Description:

This workshop will demonstrate the current ICO examinations and will guide delegates to construct effective single best answer multiple choice questions.

Preparing A Good Multiple Choice Question Exam For Your Students 1  
*Simon Keightley*

Preparing A Good Multiple Choice Question Exam For Your Students 2  
*María Yadarola*

Preparing A Good Multiple Choice Question Exam For Your Students 3  
*Clare Davey*

Preparing A Good Multiple Choice Question Exam For Your Students 4  
*Richard Bowman*

Preparing A Good Multiple Choice Question Exam For Your Students 5  
*Luis Amaya*

## IC-SA-433/ 14:00 - 15:30/ Salón de Eventos 3

### Infectious Keratitis

Chair(s): *Eduardo Alfonso, Enrique Graue-Hernández, Ana Luisa Hofling*

##### Description:

This session will address all the topics related to infectious keratitis. Top leaders in the field will talk about the latest evidence to treat this potentially devastating disease. Focus will be made on new ways of diagnosing as well as the latest updates on treatment options.

Introduction and Update on Fungal Keratitis  
*Eduardo Alfonso*

Best Treatment for Bacterial Keratitis  
*Ana Luisa Hofling*

What is New in Viral Keratitis  
*Enrique Graue-Hernández*

Prevention of Keratitis (Lasik, Kpro, Corneal Transplants)  
*Luis Izquierdo*

How Do I Manage Culture Negative Keratitis?  
*Guillermo Amescua*

The Future of the Microbiology Laboratory in Diagnosing Microbial Keratitis  
*Pablo Goldschmidt*

Summary of Infectious Keratitis and Questions for the Future  
*Richard Abbott*

## IC-SA-155/ 16:00 - 17:30/ Salón Tonalá

### What Systemic Malignancies Can Do to the Eye, Orbit and Adnexa and How to Take Action Against Them

Chair(s): *Raquel Sánchez, Bitá Esmaeli, Christine Nelson*

##### Description:

In this course, diagnosis and treatment of local manifestations of systemic cancer in the eye, the orbit and ocular adnexa will be presented. In addition, the role of the ophthalmologist in the primary diagnosis of systemic neoplasia and its various forms of ocular involvement will be discussed.

Epidemiology and Diagnosis of Intraocular Metastasis  
*Miguel Materin*

Orbital and Ocular Adnexal Manifestations of Cancer and Cancer Treatment  
*Vivian Yin*

Rational Approach to Management of Orbital and Adnexal Metastasis  
*Bitá Esmaeli*

Treatment Options of Intraocular Metastases  
*Bertil Damato*



Effect of Systemic Malignancies on the Eye  
*Amy Schlefer*

**IC-SA-2892/ 16:00 - 17:30/ Moda**

## Clinical and Translational Research in Ocular Immunology

Chair(s): *Luz Elena Concha, María C. Jiménez, Stephanie Voorduin*

Description:  
To share our experiences in basic science, clinical science and translational research in the field of ocular immunology.

Immunological Advances in Ocular Allergy  
*Alberto Salazar*

Immunomodulation of Allergic Rhinoconjunctivitis: Impact in the *Quality of Life*  
*Toni Homberg von Thaden*

Trends in Uveitis: From Basic Science to Clinical Research  
*Atzin Robles*

HLA and Ocular Inflammation: Twenty Years of Experience  
*Luz Elena Concha*

Stress Cytokines and Disease Activity in Patients with Anterior Uveitis  
*Stephanie Voorduin*

Molecular Biomarkers and Ocular Infectious Diseases  
*Héctor Pérez*

Clinical Characteristics of Patients with Infectious Corneal Ulcers: Looking for Systemic and Local Immunological Biomarkers  
*Concepción Santacruz*

## Case

**CA-SA-2958/ 8:30 - 10:00/ Guadalajara 6** 

## Interactive Session

## Complicated Phaco Cases: My Top 5 Pearls

Chair(s): *David Chang, Eduardo Chávez*

Description:  
Invited faculty each speak for 7 minutes on a practical topic relating to challenging cases or complications. Each speaker will present their "Top 5 Pearls" for dealing with that situation. Instead of a traditional didactic talk\*, the speakers will present 5 key take-home points as concisely as possible. Panelists will then add their additional pearls. Each rapid fire 7-minute talk is followed by 5 minutes of panel discussion and audience response polling.

Posterior Polar Cataract  
*Abhay Vasavada*

IFIS / Small Pupil  
*Boris Malyugin*

Pseudoexfoliation / Weak Zonules  
*Alan Crandall*

Phaco with Glaucoma  
*Kuldev Singh*

Rock Hard Lens  
*Ramamurthy Dandapani*

Avoiding Femtosecond Laser Complications  
*Gerard Sutton*

Vitreous Loss – Anterior Vitrectomy  
*Susan MacDonald*

Panelists: *Ike Ahmed, Richard Packard, Deepinder Dhaliwal, L. Felipe Vejarano*

**CA-SA-319/ 10:30 - 12:00/ Guadalajara 6** 

## IOL Complications

Chair(s): *Kevin Miller, Abhay Vasavada*

## Description:

This course will describe the management of different intraoperative and postoperative IOL related complications like IOL malpositioning, problems with multifocal and Toric IOL'S, late IOL dislocation etc.

Effective clinical and surgical pearls will be discussed in this video based course by experts from around the world.

Late Bag – IOL Dislocation  
*Iqbal Ike Ahmed*

Bag Fixation of IOL with Posterior Capsule Rupture  
*Abhay Vasavada*

The Pre operative Measurement of Astigmatism for the Toric IOL  
*Warren Hill*

Dealing with Toric IOL Misalignment  
*Kevin Miller*

The Enigma and Pseudophakic Dysphotopsia  
*Samuel Masket*

Current IOLs: Do They Come with a Lifetime Guarantee?  
*George Beiko*

Indications and Technique of Anterior Chamber Intraocular Lens Implantation in th 21st Century  
*Zsolt Biro*

**CA-SA-142/ 16:00 - 17:30/ Salón Zapopan**

**Interactive Session** 

## Challenging Cases in Neuro Ophthalmology

Chair(s): *Carmen Chan, Manuel Escanio, Gordon Plant*

## Description:

In this symposium, six 'mystery' neuro ophthalmic cases will be presented. These posed particular diagnostic and/or management challenges for the clinicians. Hopefully they should also stimulate thinking and discussions for both general and neuro ophthalmologists.

Parkinsonitis  
*Peter Quiros*

Swollen Shut with a Headache  
*Lynn Gordon*

A Toothache that Wouldn't Go Away  
*Prem Subramanian*

Hypnagogic and Hypnapompic Transient Monocular Visual Loss  
*Gordon Plant*

Scaling the Mount  
*Rashmin Gandhi*

It Looks Like... But It's Not  
*Aki Kawasaki*

## Debate

**DE-SA-2954/ 10:30 - 12:00/ Guadalajara 4** 

## Lamellar Transplantation: State of the Art

Chair(s): *Eduardo Arenas, Jorge Domene, Sadeer Hannush*

## Description:

This session will provide corneal surgeons an overview and update of all the different corneal lamellar surgical techniques.

Science Behind DMEK  
*Friedrich Kruse*

Shorten the DMEK Learning Curve  
*Sadeer Hannush*

Big bubble DALK  
*Sheraz Daya*

Femtosencond Assisted Lamellar Surgery  
*Sonia Yoo*

Cell Injection Therapy Using Cultivated Corneal Endothelial Cells  
*Shigeru Kinoshita*



**DE-SA-2942/ 16:00 - 17:30/ Guadalajara 4** 

## DMEK Techniques: A Global Perspective!

Chair(s): *Guillermo Amescua, Nicolás Césarío*

### Description:

This session will provide corneal surgeons an overview of different surgical DMEK techniques from surgeons from different parts of the world.

Transition from DSAEK to DMEK: Experience from a Tertiary Care Eye Hospital in Mexico City  
*Víctor Boullosa*

DMEK: How to Improve Outcomes  
*Nicolás Cesarío Pereira*

The Wills Eye Hospital DMEK Experience  
*Sadeer Hannush*

DMEK Experience at Kanazawa University  
*Akira Kobayashi*

DMEK in Challenging Cases: The NIIOS Experience  
*Lamis Baydoun*

## Instruction Course

**INS-SA-20/ 8:30 – 9:15/ Guadalajara 1**

## Ecografía estandarizada con el software A1

Instructores: *David González, Eridani Mayora*

### Descripción:

Este nuevo software es una herramienta útil para el clínico y el ecografista porque permite precisar hasta un 99% la diferenciación de membranas intraoculares y la especificidad en la retina, incluso en ojos con presencia de aceite de silicón. Es una herramienta indispensable ante la duda diagnóstica y el oftalmólogo general y el especialista deben familiarizarse para el reporte específico del ecografista.

**INS-SA-21/ 9:15 – 10:30/ Guadalajara 1**

## Tamiz ocular en recién nacidos a término: importancia, indicaciones, como realizarlo

Instructores: *Juan Carlos Juárez, José Fernando Pérez, Carla Rodríguez, Luis Javier Cárdenas, Pedro Acevedo, Martha Rangel, Juan Homar Páez*

### Descripción:

Las alteraciones oculares en recién nacidos a término pueden presentarse en cualquier estructura (párpados, segmento anterior, fondo de ojo) y su frecuencia se reporta hasta en un 25% de riesgo. Estas alteraciones pueden poner en riesgo la función visual, relacionarse con enfermedades sistémicas (TORCH, alteraciones del nervio óptico) o hasta amenazar la vida (retinoblastoma). Su diagnóstico temprano es la diferencia para tener un tratamiento oportuno y mejor pronóstico. En el curso se propondrán los estándares para realizar el tamiz en forma adecuada, el equipo disponible y su factibilidad de establecerlo como norma internacional para beneficio de los niños.

**INS-SA-2421/ 8:30 - 10:00/ Salón de Eventos 2**

## Endothelial Keratoplasty: Manual DSEK and Automated DSEK Made Simple for the Beginners

Course Instructor(s): *Samar Basak, Anthony Aldave, Namrata Sharma, Jeewan Titiyal*

### Description:

Cataract surgery rate (CSR) in developing world has increased to nearly 5000/million/year with more incidence of pseudophakic corneal edema/ bullous keratopathy. We also see large number of Fuchs' dystrophy cases, because of better diagnostic tools. So, we have to do lots of endothelial keratoplasty.

This video assisted instruction course will highlight various types of Endothelial Keratoplasty (EK) in depth. It includes both manual and automated donor dissection; Descemet scoring and stripping; donor insertion techniques, etc. It will also deal with case selections; indications, contraindications, complications with their management and long term graft survival. Learning curve and pearls of Descemet membrane endothelial keratoplasty (DMEK) will also be covered at the end.



**INS-SA-1614/ 8:30 - 10:00/ Salón de Eventos 4**

## Herpes: Evaluación actual de una enfermedad histórica

Instructores: *Rafael Paz, Edna Ángel, Francisco Beltrán, Juan Curiel*

### Descripción:

Al concluir el curso los asistentes serán capaces de diagnosticar formas comunes e inusuales de queratitis por herpes, formular un adecuado plan de manejo basado en la fisiopatología y las manifestaciones clínicas y tener un entendimiento general de las modalidades de tratamiento.

**INS-SA-1806/ 8:30 - 10:00/ Salón de Eventos 5**

## Controversias en cirugía de glaucoma

Instructores: *Marina Ramírez, Félix Gil, Jesús Jiménez-Román*

### Descripción:

Conocer cuáles son las cirugías de primera línea, qué hacer cuando estas fallan y el reto de la modernidad con los nuevos implantes de glaucoma.

**INS-SA-697/ 8:30 - 10:00/ Salón de Eventos 6**

## Las artes visuales como herramienta para la enseñanza de la oftalmología

Instructor: *Jaime Lozano*

Descripción: Mediante el empleo de obras de arte visual seleccionadas, se pueden desarrollar varios temas de la especialidad, tanto en materias básicas como clínicas, que además de cumplir el objetivo intrínseco, permiten despertar en los alumnos la apreciación de obras artísticas y estimular el interés por el arte, complemento indispensable en el marco cultural que debe complementar el perfil profesional del médico, en este caso el oftalmólogo. Se despertará la curiosidad por encontrar nuevas manifestaciones artísticas que se sumen a los ejemplos presentados con obras de Rafael, Picasso, de la Tour, Ingres, Sharaku, Gross, Bronzino, Reynolds y otros.

**INS-SA-2930/ 8:30 - 10:00/ Salón de Eventos 7**

## How to Avoid Misdiagnosis of Tumors Using Ocular Ultrasound

Course Instructor(s): *Ariel Prado, Norma Allemann, Bernadete Ayres, Maru Bretana, Mario De la Torre, Eduardo Moragrega, Maira Saad*

### Description:

Ultrasound diagnosis of ocular and orbital tumors, based on clinical case problems will be presented followed by a lecture and literature review.

**INS-SA-1334/ 10:30 - 12:00/ Salón de Eventos 6**

## Advocacy for National ROP Policies in Latin America

Course Instructor(s): *Victoria Sheffield, Clare Gilbert, Luz Gordillo, Justin Mora, Liliana Riva, Juan Silva, Luz Zepeda*

### Description:

To understand the importance of national policies to address ROP as a public health initiative, and the strategies utilized to achieve these policies.

**INS-SA-2104/ 10:30 - 12:00/ Salón de Eventos 2**

## Imaging the Anterior Segment: Diagnostic and Surgical Applications

Course Instructor(s): *Norma Allemann, Wallace Chamon, María Cortina, Joao Crispim, José De La Cruz, Elmer Tu*

### Description:

This course aims to instruct in the use of anterior segment imaging techniques for the diagnosis and treatment of anterior segment and corneal pathology



## INS-SA-611/ 10:30 - 12:00/ Salón de Eventos 4

### Pediatric Ocular Tumors

Course Instructor(s): *Carol Shields, Jerry Shields*

Description:

At the conclusion of this course, the attendee should be able to identify the most common ocular tumors of childhood and understand management strategies.

## INS-SA-912/ 10:30 - 12:00/ Salón de Eventos 5

### Advanced Surgical Management of Ocular Inflammatory Disease

Course Instructor(s): *Janet Davis, Guillermo Amescua, Alana Grajewski, Víctor Pérez*

Description:

This course is intended to impart knowledge gained by experienced surgeons at a single institution who routinely provide advanced surgical management for ocular inflammatory diseases. At the end of the course, comprehensive ophthalmologists and subspecialists will understand how to apply current, advanced surgical techniques to manage ocular surface disorders, corneal immunological disease, uveitic cataract, uveitic glaucoma, and posterior segment diagnostic procedures such as chorioretinal biopsy as well as therapeutic surgery in inflamed eyes. Few participants will employ all of the techniques described, but the overview of surgical possibilities will help all course attendees appreciate the range of procedures now available, their basic principles and limitations, and possible complications. This in turn will improve case selection and preoperative and postoperative management. In the case of anterior or posterior segment surgical specialists, they should increase their competency in managing these difficult patients.

## INS-SA-22/ 14:00 – 14:45/ Guadalajara 1

### Entendiendo las oftalmoplejias: tips & tricks

Instructores: *Silvia Moguel, Rosalía Heras, Rosana Vidal, Adriana Valdéz*

Descripción:

Los estrabismos por defectos de movimiento pueden ser de diversas causas. Cuando la lesión afecta a

las motoneuronas por compromiso de los nervios craneales va a existir una desviación ocular correspondiente, sin embargo cuando la lesión afecta los núcleos de coordinación de movimiento, zonas corticales superiores y vías de interconexión, puede haber grandes defectos de movimiento sin alteración en la posición de los ojos, dando lugar a las diferentes oftalmoplejias. Su diversidad de manifestación puede hacer el diagnóstico confuso y complejo. El estudio de los organizadores de movimiento ocular permite entender más fácilmente estos defectos como ocurre en la Enfermedad de Niemann Pick C, las lesiones tumorales, la esclerosis múltiple, etc. Hagamos el diagnóstico de las oftalmoplejias más fáciles a través de tips y trucos.

## INS-SA-23/ 14:45 – 15:30/ Guadalajara 1

### Lo imposible puede ser posible en el cálculo de LIO

Instructores: *Ariel Prado, Eduardo Moragrega, Cecilio Velasco, Mariana Takane, Mariana Mayorquín*

Descripción:

A pesar de un gran virtuosismo del cirujano de catarata, el éxito refractivo posoperatorio está determinado por el correcto cálculo del poder dióptrico del lente intraocular, siendo los factores más importantes la queratometría, la biometría mediante ultrasonido o interferometría, la utilización de fórmulas de regresión lineal y la constante de fabricación del lente que constituyen los parámetros básicos para evitar una sorpresa refractiva. Existen sin embargo situaciones especiales como longitudes axiales extraordinarias, afaquia o pseudofaquia, cirugía refractiva previa, degeneraciones corneales o queratoplastias y diferentes materiales intravítreos, que constituyen casos difíciles, retos parcialmente predecibles que son explicados, analizados y resueltos por expertos en el cálculo de lente intraocular.

## INS-SA-9997/ 14:00 - 15:30/ Salón de Eventos 2

### International Course on New Developments of the Cornea: What To Do in a High Risk Keratoplasty?

Instructores: *Nallely Ramos, Luz Elena Concha, Josué Rodríguez, Valeria Sánchez*

Infectious Scleritis: When Should I Think About Them?  
*Luz Elena Concha, Lourdes Arellanes, Rashel Cheja*

Classic and Biologic Immunotherapy for Ocular Inflammatory Diseases: Indications and Therapeutic Goals  
*Alejandro Rodríguez, Carlos Álvarez*

## INS-SA-722/ 14:00 - 15:30/ Salón de Eventos 4

### Optic Nerve Imaging in Glaucoma: A Practical Workshop on OCT Interpretation

Course Instructor(s): *Hady Saheb, Devesh Varma*

Description:  
Compare the advantages and disadvantages of optic nerve imaging versus optic nerve photography

Evaluate an optic nerve imaging printout for the purpose of diagnosis of glaucoma

Evaluate an optic nerve imaging printout for the purpose of progression of glaucoma

Identify common false positives in optic nerve imaging for glaucoma

Identify common false negatives in optic nerve imaging for glaucoma

## INS-SA-1514/ 14:00 - 15:30/ Salón de Eventos 5

### Anterior Segment and Lid injuries, Surgical management: Challenges, Pearls and Pitfalls

Course Instructor(s): *Tuhin Chowdhury, Sujata Das, Gerardo Graue, Vanitha Ratnalingam, Jayangshu Sengupta*

Description:  
Ocular injury, especially to the anterior segment is quite common these days and sometimes carries an unfavourable prognosis. There are still numerous controversies regarding the correct management of ocular injuries like the timing of cataract surgery and implantation of intraocular lens in traumatic conditions. Penetrating injuries result in culture proven endophthalmitis in 2% to 30% of all cases. Correct timely intervention with proper antibiotics along with good surgery and proper rehabilitation may restore vision to a greater extent. The speakers here will demonstrate, with videos, the state of art surgical procedures. They will also provide practical tips to achieve the optimal results. The course is meant for Comprehensive Ophthalmologists, Corneal Surgeons as well as Oculoplastic Surgeons. The attendees will have plenty of time for discussion and at the end they should be able to appreciate how to accomplish the task in a better way.

## INS-SA-952/ 14:00 - 15:30/ Salón de Eventos 6

### Duke Vitreoretinal Surgical Rounds. What Would Mocher Do?

Course Instructor(s): *Tamer Mahmoud, Ron Adelman, J. Fernando Arévalo, María Berrocal, André Gomes, Virgilio Morales, Hassan Mortada, Lihteh Wu, Hugo Quiroz, Malhar Soni*

Description:  
Recent advances in small gauge vitrectomy from 23 to 27, chandeliers, lighted instruments combined with intraoperative OCT have revolutionized the vitreoretinal surgical field. An ideal approach to convey the intricate surgical procedures and show complications and their management would be best demonstrated through a panel discussion. The Duke Saturday morning rounds format will be followed. From detailed fundus drawings to high definition videos, surgical approaches and management of complications will be debated with an evidence



based approach, referral to the literature, and inclusion of new techniques.

The following provides some of the subjects to be discussed through case presentation and panel debate:

- Preference of small gauge 23, 25, and 27 according to surgical pathology
- Type of available chandeliers with utility and positioning of each
- Types of lighted instruments available per gauge and preference over chandeliers
- Need of mixed gauge use in some cases
- Value of scleral buckle in the era of small gauge vitrectomy and buckle options and the chandelier buckle technique update
- Levels of complexity of complicated proliferative diabetic retinopathy and selection of appropriate instrumentation for each case
- Vitreoretinal surgery in infants and children. Proper selection of instruments and approaches Value of handheld preoperative OCT. Cases included ROP and FEVR
- Complications of retisert implants and dislocation. How many implants can the eye handle?
- Dislocated intraocular lenses retrieval. Scleral and iris fixation
- Valved cannulas and how they have changed surgical steps
- Viewing systems from contact to noncontact, what's your preference?
- Highly myopic macular holes and detachments: Approaches to overcome a long axial length
- Value of intraoperative OCT. The potential future of vitreoretinal surgery

## INS-SA-24/ 16:00 - 16:45/ Guadalajara 1

### Uso del topógrafo aberrómetro en la planeación de casos de segmento anterior

Instructor: *Guillermo Rocha*

Descripción:

El objetivo de este curso es el revisar los conceptos básicos de topografía corneal, aberrometría corneal y ocular total. Se compararán algunos de los instrumentos combinados disponibles comercialmente y se presentarán casos prácticos para su análisis. Se enfocará al uso de esta tecnología en cirugía de catarata incluyendo planeación de implantes monofocales y tóricos, evaluación de cirugía refractiva, detección de queratocono y de complicaciones postquirúrgicas.

Al final del curso, el participante podrá enumerar los aspectos básicos de esta tecnología y su aplicación práctica en casos de segmento anterior.

## INS-SA-25/ 16:45 – 17:30/ Guadalajara 1

### Manejo adecuado de esteroides en oftalmología

Instructores: *Thamar Gómez, Narly Ruíz, Stephanie Voorduyn, Araceli Rojas*

Descripción:

Los esteroides son fármacos de uso común para el oftalmólogo general, pero con frecuencia observamos complicaciones secundarias al uso incorrecto de los mismos. En este curso se abordará la bioquímica, indicaciones, vías de administración (tópica, intravítrea, implantes, transeptal, retrobulbar, oral, intravenosa) y efectos secundarios entre otros temas para definir el uso apropiado.

Es un curso multidisciplinario que incluye la participación de subespecialistas experimentados en retina, enfermedades inflamatorias oculares, enfermedades externas y neurooftalmología.

## INS-SA-2324/ 16:00 - 17:30/ Salón de Eventos 2

### Síndrome de párpado flácido. Claves para el diagnóstico y tratamiento

Instructores: *Yerena Muiños, Álvaro Bengoa, Alicia Galindo, Marco Sales, Patricia Santello*

**Descripción:**

Dar a conocer un protocolo de actuación en el diagnóstico y tratamiento de los pacientes con síndrome de párpado flácido, así como las nuevas técnicas quirúrgicas con sus ventajas y desventajas.

**INS-SA-2265/ 16:00 - 17:30/ Salón de Eventos 4**

## Clinical Exam and Management of Children with Glaucoma

Course Instructor(s): *Elena Bitrian, Óscar Albis, Teresa Chen, Alana Grajewski*

**Descripción:**

This course is intended to impart knowledge on clinical examination, diagnosis, early progression detection and management of children with glaucoma. At the end of the course, comprehensive ophthalmologists and sub specialists will understand how to perform an accurate and complete pediatric eye exam under anesthesia on children with glaucoma. Attendants will increase their competency in early diagnosing and managing these difficult patients. An interactive format between audience and presenters will be the format of this course and multiple clinical scenarios will be presented to the audience. A handout available both in Spanish and English will be provided to all attendees.

**INS-SA-508/ 16:00 - 17:30/ Salón de Eventos 5**

## Parasitic Keratitis: Clinical Picture, Diagnosis and Management

Course Instructor(s): *Prashant Garg, Savitri Sharma, Elmer Tu*

**Descripción:**

To present clinical picture, diagnosis and treatment of contact lens and non contact lens associated keratitis caused by *Acantha moeba* and microsporidia.

**INS-SA-547/ 16:00 - 17:30/ Salón de Eventos 6**

## Femtosecond Laser for Cornea Surgery: The Actual Options

Course Instructor(s): *Arturo Ramírez, Anthony Aldave, Jorge Alio, Enrique Graue-Hernández, Luis Izquierdo, Alejandro Lichtinger, Alejandro Navas*

**Descripción:**

Attendees will gain information about the similarities and differences amongst the most popular femtosecond laser and its use in all the cornea and refractive techniques

**INS-SA-2449/ 16:00 - 17:30/ Salón de Eventos 7**

## Recent Advances in the Diagnosis and Management of Conjunctival Tumors

Course Instructor(s): *Santosh Honavar, Fairouz P. Manjandavida, Carol Shields, Jerry Shields*

**Descripción:**

The aim of this course is to provide a systematic overview of clinical manifestations of conjunctival tumors and to discuss recent concepts in the diagnosis, management, and prognosis. Clinical evaluation of a patient with conjunctival tumor will be demonstrated with well documented clinical cases. Systemic associations will be discussed. Advantages of anterior segment imaging techniques will be highlighted. Evidence based treatment protocols, and indications and outcome of newer treatment modalities such as topical chemotherapy and plaque brachytherapy, will be discussed. Standard surgical procedures will be demonstrated with video films. This course will enable participants to accurately diagnose and manage common conjunctival tumors.

**INS-SA-2023/ 16:00 - 17:30/ Salón de Eventos 8**

## Scleral Buckling Surgery: A Forgotten Art!

Course Instructor(s): *Malhar Soni, Ron Adelman, Lihteh Wu, María Berrocal, Ash Sharma*

**Descripción:**

This course will provide a comprehensive, state of the art approach to techniques of scleral buckling (SB) surgery. A practical and interactive way to achieve



successful retinal detachment (RD) repair will be discussed with case presentation, panel debate and interesting videos. It will be discussed in “Tell it like it is...” language without statistical muddle. Specific topics will include:

1. Principles of SB surgery including decision making of selection of buckle, segmental v/s 360 circumferential buckle, suture placement techniques.
2. Sub retinal fluid (SRF) drainage in SB surgery including indications, contraindications, and techniques of SRF drainage.
3. Macular buckling for myopic eyes with posterior staphyloma.
4. Modified techniques of SB surgery including sutureless SB Surgery, use of chandelier light and wide angle visualization system in SB surgery, role of suprachoroidal buckling in RD management
5. Management of SB surgery complications including SB surgery in thin sclera, ‘Dry tap’ during SRF drainage, sub retinal haemorrhage, extraocular muscle damage, intrusion of the buckle, exposure of the buckle, complications in relation to macular and suprachoroidal buckling surgery,
6. Goals of SB surgery in current era.

Audience participation will be encouraged and a detailed handout will be provided

## Free Papers

**FP-SA-7012/ 8:30 - 10:00/ Minerva I & II**

### Glaucoma Surgery and Disease Evaluation

Chair(s): *Matthias Grieshaber, Aparna Rao, Itzel Pérez*

Comparative Evaluation of Trabeculectomy Using Mitomycin C (MMC) or Sub conjunctival Bevacizumab as Adjunct and Correlation of Bleb Morphology with Outcome by using IBAGS  
*Abhishek Anand*

The Effect of Placement of Intraoperative Mitomycin C on Intraocular Pressure Control with the InnFocus MicroShunt™

*Isabelle Riss, Juan Batlle, Yasushi Kato, Jean-Marie Parel, Léonard Pinchuk, Bruce Weber*

Canaloplasty with the Stegmann Canal Expander for Primary Open Angle Glaucoma: Two Year Results  
*Matthias Grieshaber, Robert Stegmann*

Surgical Outcomes in Patients with Primary Congénital Glaucoma

*Itzel Montserrat Pérez, Magdalena García, Alejandra Hernández, Cristina Isida, Jesús Jiménez, Antonio Remolina Villarejo, Mauricio Turati*

Normal Tension Congénital Glaucoma, a New Entity Introduced

*Ahmad Khalil*

The Effects of Multifocal Intraocular Lens on Visual Quality in Patients with Primary Angle Closure

*Naris Kitnarong, Dovchinjamts Dagvadorj*

Downregulating the Myocardin related Transcription Factor/ Serum Response Factor (MRTF/ SRF) Pathway is a Novel Therapeutic Approach to Prevent Postsurgical Fibrosis in Glaucoma.

*Cynthia Yu Wai Man, Maryse Bailly, Peng T. Khaw*

Characteristics of Optic Disc Torsion in Myopic Eyes  
*Mi Sun Sung, Sang Woo Park*

Aqueous Angiography: Real Time Imaging of Aqueous Humor Outflow

*Alex Huang, Anna Dastiridou, Brian Francis, David Hinton, Sindhu Saraswathy, James Tan, Robert Weinreb*

Performance of Central Field Index Versus Visual Field Index in Moderate and Severe Glaucoma in Eyes with Central Fixation Involvement

*Aparna Rao, Harika Mudunuri, Debnanada Padhy, Avik Roy*

CupdiscRatio Measurement by Cirrus Ocular Coherence Tomography, Heidelberg Retina Tomography and Stereophotograph in Ocular Hypertensive Subjects: Their Effects on Glaucoma 5 Year Risk Estimation

*Poemen Chan, Vivian Chiu, Christopher Leung, Mandy Wong*

## FP-SA-7024/ 8:30 - 10:00/ Salón de Eventos 8

### Pediatric Cataract, Special Cases, Physiopathology and More

Chair(s): *Lourdes Arellanes, Daniel Ochoa, Brenda Juárez*

Refractive changes in children undergoing congenital cataract surgery with intraocular lens implantation before two years of age

*Georgina Sosa, Leticia Arroyo, Óscar Guerrero, Cristina Mendoza, Carolina Orea, Claudia Palacio*

Modificaciones en la refracción de pacientes pediátricos con implante de lente intraocular

*Virginia Martínez, Ariel Prado*

Cirugía de catarata en pacientes con nanofthalmos: Resultados en población mexicana

*Janet Silva, Pablo Guzmán, Humberto Matiz, Mayela Olazabal*

Variación de la presión intraocular y la longitud axial post faco emulsificación según el grupo de edad y la madurez de la catarata

*Ana Navarrete, Geovanny Alvarado, Pablo Galarza*

Análisis histopatológico de la cápsula anterior del cristalino

*Brenda Juárez*

Determinación de VEGF en humor acuoso de pacientes mexicanos con catarata y pseudo exfoliación

*Cyntia Solis, Leticia Arroyo, Óscar Guerrero, Jaime Lozano, Cristina Mendoza, Carolina Orea, Claudia Palacio, Atzin Robles*

Análisis de citocinas en material cristalino de catarata diabética y senil

*Manuel García, Carolina Orea, Claudia Palacio, Atzin Robles*

Comparación de tres biómetros ópticos.

*Álvaro Ortiz, María Corrales, Virgilio Galvis, Miguel Ochoa, Carlos Rodríguez, Alejandro Tello, Víctor Viaña*

Fenilefrina intracameral al 1.5% en el manejo del síndrome de iris flácido intraoperatorio

*Aura Cristina Marban, Leticia Arroyo, Óscar Guerrero, Cristina Mendoza, Carolina Orea, Claudia Palacio*

Ophthalmic and systemic abnormalities in Weill Marchesani syndrome: Case series report.

*Gian Franco Díez, Vianney Cortés, Cristina Villanueva*

Cálculo de la curva de aprendizaje del simulador del oftalmquirúrgico computarizado, en el desempeño quirúrgico virtual de los alumnos de residencia de hospital referido

*Daniel Ochoa*

## FP-SA-7032/ 8:30 - 10:00/ Salón de Eventos 9

### Therapy and Genetics of Retinal Diseases

Chair(s): *Johanna Seddon, Chen Zhao*

Collagen shields cross linked by metal oxide nanoparticles for ocular drug delivery

*Ilva Rupenthal, Yosra Agban, Jiaxin Lian, Sujay Prabakar, Ali Seyfoddin*

Effect of single and repeated doses of bevacizumab, ranibizumab and aflibercept in human retinal pigmented epithelium cells

*Manuel Sáenz De Viteri, Edurne Albiasu, Jaione Bezunartea, Patricia Fernández, Laura García, Alfredo García, María Hernández, Maite Moreno, Sergio Recalde, Nicholas Reiter*

Retinal Pigmented Epithelium Response to Retinal Rejuvenation Therapy

*Robert Casson, Glyn Chidlow, Malcolm Plunkett, John Wood*

Photostimulation Subthreshold Pascal Laser in the Treatment of Chronic Central Serous Chorioretinopathy

*Juan Arias, Carlos Ávalos, Rodrigo Barrera, Virgilio Galvis, Álvaro Gutiérrez, Luis Jaramillo, Andrés Osorio, David Paredes*

Transcorneal Electrical Stimulation Treatment for Patients with Retinitis Pigmentosa, Summary of Results from the TESOLA Study: a Multicentric Observational Study

*Lubka Naycheva, Guido Blaess, Florian Gekeler, Peter Martus, Barbara Wilhelm*

Comprehensive Risk Prediction Models for Macular Degeneration Incorporating Demographic and Behavioral Factors and Common and Rare Genetic Variants; Genotype Phenotype Correlations

*Johanna Seddon*



Association between complement factor H polymorphism and response to antiangiogenic therapy in age related macular degeneration

*Lorena Ramírez, Beatriz Buentello, Federico Graue, Antonio López, Salvador López, Juan Zenteno*

SPP2 Mutations Cause Autosomal Dominant Retinitis Pigmentosa

*Chen Zhao, Xue Chen*

A novel normalized reflection scale reveals occult optical coherence tomography changes in retina structures with aging

*Shlomit Schaal, Amir Hajrasouliha, Douglas Sigford*

**FP-SA-7004/ 10:30 - 12:00/ Salón de Eventos 9**

## Changing the Cornea for Refraction

Chair(s): *Varun Arora, David Lin*

Functional Binocularity in Patients Implanted with Non Refractive Hydrogel Corneal Inlay

*Enrique Barragán*

Profocal Cornea Created by Transparent Hydrogel Corneal Inlay: Mechanism of Action and Clinical Implications

*Arturo Chayet, Enrique Barragán*

Validation and Application of Modified Version of QRIC Among Patients Undergoing Lasik Surgery Procedure

*Varun Arora, Jai Bansal, Tripti Bansal, Manik Saxena*

ISOvision Technology: a new standard of Presby LASIK

*Frederic Hehn*

ASA (LASEK/epi LASEK) methods for Extreme Myopia, Hyperopia, and/or Astigmatism

*Tetyana Dovzhuk, Emil Chynn, Junjing Guo*

PRK vs. TransPRK using Schwind Amaris® ORK Cam: an inpatient comparative study.

*Javier Gaytán*

Refractive and aberrometric evolution after photorefractive keratectomy for myopia and myopic astigmatism using a wavefront optimized algorithm

*Marinka Kargacin, Rafael Barraquer*

PRESBV (Presbyopia Vejarano) tears Non Invasive Solution for Presbyopia

*L. Felipe Vejarano*

Is PRK better than LASIK for extreme myopia?

*Karolien Termote, Simon Holland, David Lin*

Early results of improved beam profile using the Schwind Amaris for laser trans epithelial PRK compared to pre existing profile

*David Lin, Simon Holland*

**FP-SA-7014/ 10:30 - 12:00/ Salón de Eventos 8**

## Innovaciones en cirugía de catarata

Moderadores: *Diana Parra, Daniela García, Nadia Casillas*

Lentes Intraoculares Difractivos Trifocales: Experiencia Clínica y Resultados: Análisis de Resultados Extendido a 2 Años de Seguimiento

*Melissa Alvarán, German Giraldo, Leonardo Orjuela*

Resultados visuales en pacientes operados de facoemulsificación con implante de lente intraocular enVista® en el Hospital General de Mexico.

*Miguel Villanueva, Sergio Herrero*

Incidencia de pérdida celular endotelial en pacientes operados de catarata por Facoemulsificación convencional en comparación con la técnica asistida con láser de Femtosegundo en el Hospital Central Militar

*Diana Parra, Marco Cantero*

Facoemulsificación Vs SICS (Cirugía de Catarata de Pequeña Incisión Vs EECC (Cirugía Extracapsular de Catarata)

*Gabriela Ruíz*

Análisis morfológico de incisiones corneales en cirugía de facoemulsificación realizadas con láser de femtosegundos por medio de OCT de segmento anterior dominio espectral

*Daniela García, Leticia Arroyo, Óscar Guerrero, Jaime Lozano, Cristina Mendoza, Carolina Orea, Claudia Palacio*

Experiencia en cirugía de catarata asistida con láser de femtosegundos

*Henry Maldonado, Alberto Cáceres, Héctor Camara, Alejandro Millet*

Astigmatismo inducido en facoemulsificación asistida con femtosegundo e incisión manual

*Susana Peniche, Lourdes Fernández, Karime Pérez*



Comparación del desempeño visual entre lentes intraoculares multifocales

*Lorena Zendejas, Erick Encampira*

Experiencia con el Lente Intraocular Trifocal

*José Nava, Lorena Lam*

Implante de lente intraocular trifocal difractivo: Análisis y resultado de la agudeza visual

*Nadia Casillas, Beatriz Alvarado, Miguel Ibañez*

Implante de Lente Intraocular Intraescleral con Adhesivo Tisular en Afaquia. Resultados en Clínica de Salud Visual COA Mexico

*Paulo Tapia, Humberto Cervantes, Nicolás León*

## FP-SA-7023/ 10:30 - 12:00/ Minerva I & II

### Pathology of the Ocular Surface, Eyelids, and Orbit

Chair(s): *Yin Wei Li, Marian Pauly, Usha Kim*

Analysis of Clinicopathologic Correlation in Ocular Surface Squamous Neoplasms

*Marian Pauly, Jyotirmay Biswas*

The clinical value of core biopsy of orbital tumors: histology, imprint cytology, complications.

*Andrey Yarovoy*

The possibilities of duplex scanning in lacrimal gland tumors diagnostics

*Anush Amiryany, Valida Alikhanova, Svetlana Saakyan*

Nasolacrimal duct intubation using a lacrimal endoscope for lacrimal passage obstruction in children.

*Naoshi Tsurumaru, Toru Suzuki, Ryoji Yamakawa*

Transdermal Nano enabled Anaesthetics for Eyelid Surgery

*Krisztina Emeriewen*

Reduction of Delayed Complex Orbital Fractures with An Endoscope Navigation System: A Preliminary Report on A New Technique Showing High Accuracy and Efficacy

*Yin Wei Li*

Endo Navigation System assisted orbital decompression for thyroid eye disease

*Hui Fang Zhou*

Optic Nerve Degeneration secondary to silicon oil (Pseudo Schnabel Cavernous Degeneration) in an eye with Giant Nodular Posterior Scleritis: Case presentation

*Antonio Cáceres, Ivette Hernández, Paulina Núñez, Dolores Ríos, Abelardo Rodríguez*

Anovel approach for optic nerve sheath decompression and its outcome: our experiences

*Usha Kim, Priti Bhoutekar, Namrata Gaikwad, Amit Khedekar, Mahesh Kumar, Jyoti Rathod, Lekshmi Vijay, Sowjanya Yarra*

Rare cases of Orbital Cysts in Craniofacial cleft patients

*Priti Udhay*

Intralesional Bleomycin for Treatment of Orbital Lymphangioma

*Nirav Raichura, Md Alam, Bipasha Mukherjee, Veena Noronha*

## FP-SA-7001/ 14:00 - 15:30/ Salón de Eventos 8

### Avances en cirugía refractiva y córnea

Moderadores: *Rafael Morcillo, Ana Rodríguez, Henry Alberto Ramírez*

Incidencia de complicaciones retinales en pacientes altos miopes operados con lentes fáquicas a 9 años

*Alejandra Orozco, Luis Izquierdo, Ana Rodríguez*

Use of Pulsed Vacuum for Refractive Multifocal Lens replacement.

*Antonio Méndez*

Lentes intraoculares fáquicas de cámara posterior: cómo y porqué implantarlas sin viscoelástico.

*Jorge Muravchik*

Análisis del ángulo y vault por tomografía de coherencia óptica de segmento anterior en implante de ICL V4c en pacientes con alta miopía.

*Guillermo García, Enrique Graue-Hernández, Alejandro Navas, Arturo Ramírez, Sandra Salazar*

New technique for lenticle removal in SMILE procedure.

*Antonio Méndez*



Cambios en agudeza visual y aberraciones de alto orden en pacientes sometidos a SMILE

*Jesús Jaurrieta, Elisa Alegría, Alejandro Babayan, Óscar Baca, Óscar Fernández, Cristina Pacheco, Regina Velasco*

Implante de anillo intracorneal circular con láser de femtosegundo; pocket versus túnel

*Ana Rodríguez, María Henríquez, Luis Izquierdo, Alejandra Orozco*

Correlación de aberraciones de alto orden en la cara anterior de la córnea y el grado de queratocono medidas con cámara de Scheimpflug

*Sarai Delgado, Narilly Ruíz, Jorge Velazco*

Reproducibility and Outcomes of Simple Limbal Epithelial Transplantation (SLET) technique

*Alexandra Abdala, Enrique Graue-Hernández, Alejandro Lichtinger, Alejandro Navas, Arturo Ramírez*

Queratopigmentación automatizada en córneas con leucomas

*Henry Alberto Ramírez*

Disfunción de glándulas de Meibomio y su relación con dislipidemia en pacientes del Hospital General de Mexico Dr. Eduardo Liceaga

*Karla Paola García, Jorge Mauricio Martínez*

**FP-SA-7035/ 14:00 - 15:30/ Salón de Eventos 9**

## Vitreoretinal Surgery

Chair(s): *Mun Faria, Raksha Rao, Luiz Lima*

Pars Plana Vitrectomy with Juxtapapillary Laser Photocoagulation (JLP) Versus Vitrectomy without JLP for the Treatment of Optic Disc Pit Maculopathy

*Marwan Abouammoh, Sulaiman Alsulaiman, Waseem Alzamil, J. Fernando Arévalo, Alay Banker, María Berrocal, Antonio Marcelo Casella, Jay Chhablani, Akito Hirakata, Gabriela Papa*

Lutein based dyes for Ocular Surgery

*Emmerson Badaró, Rubens Belfort, Michel Eid Farah, André Maia, Mauricio Maia, Eduardo Novais, Eduardo Rodrigues, Acacio Souza*

Management of Submacular Hemorrhage with Pars Plana Vitrectomy and Subretinal Injection of Recombinant Tissue Plasminogen Activator

*Remzi Avci, Ümit Inan, Berkant Kaderli, Cem Kucukerdonmez, Sami Yilmaz*

Primary pars plana vitrectomy for rhegmatogenous retinal detachment with superior and inferior breaks: comparison of anatomical and functional outcomes

*Panagiotis Stavrakas, Ángeliki Androu, Polyxeni Stamatiou, Panagiotis Theodossiadis, Dimitrios Tsoukanas, Paraskevi Xanthopoulou*

OM 101 reduces the formation of fibrotic response associated with proliferative vitreoretinopathy

*Ayala Pollack, Zeev Dvashi, Yoel Greenwald, Ran Stein*

30 gauge pars plana surgery in recurrent vitreous hemorrhage

*Satyen Deka*

Evaluation of the outcome of Ocriplasmin (Jetrea) in the treatment of vitreomacular traction (VMT) with/without Macular hole (MH): an emphasis on patients' satisfaction

*Mohamed El ashry*

Preliminary Clinical Outcomes of 23 Gauge Dual Port Vitrectomy Surgery

*Luiz Lima*

Scleral buckling technique with macular explant for the treatment of myopic foveoschisis.

*Mário Canastro, Nuno Ferreira, Carlos Marqués Neves, Faria Mun, Eliana Neto*

A Comparative Analysis of the Efficacy of Additional Internal Limiting Membrane Peeling in Epiretinal Membrane Removal

*Anand Rajendran*

**FP-SA-7007/ 16:00 - 17:30/ Minerva I & II**

## Corneal Inflammation and Infection

Chair(s): *Jong Soo Lee, Lorena Lam, Darlene Miller*

Autologous Advanced Tenon Grafting Combined with Conjunctival Flap in Scleromalacia after Pterygium Excision

*Jong Soo Lee*



Comparison of the results of preoperative intrapterygial injection of mitomycin C 24 hours before bare scleral excision of pterygium with or without 180 degree conjunctival rotational autograft (CRA).

*Ved Gupta, Deva Karthikeyan, Jolly Rohatgi*

Fungal sclero keratitis following pterygium excision with mitomycin application.

*Jnanankar Medhi, Harsha Bhattacharjee*

Comprehensive Profiling of Alkali Injuries to the Cornea

*Hosoon Choi, Samuel Fulcher, Joo Youn Oh, Casie Phillips, Darwin Prockop, Roxanne Reger, Eileen Stock*

The inhibitory effect of Itraconazole on Corneal Neovascularization in Rabbits

*Kyung Hong, Sung Kun Chung, Choun Ki Joo, Hyun Soo Lee, Jae Yon Won*

Antibiotic Stewardship in Ophthalmology: How Relevant in Ophthalmology?

*Darlene Miller*

Cell Signaling and Gene Expression in Ocular Rosacea: Targeting Highly Specific Candidates for Therapy

*Edward Wladis, Alejandro Adam, Alyssa Herrmann, Supraja Swamy, Matthew Wang*

Treatment of Childhood Ocular Rosacea: a Reappraisal

*Serge Doan, Isabelle Cochereau, Gabison Eric*

Tear levels of matrix metalloproteinase 9 and interleukin 1 alfa in patients with active ocular rosacea compared to controls, and before and after treatment with oral doxycycline or azithromycin.

*Lorena Lam, Beatriz E Patiño, Yocanxóchitl Perfecto, Alejandro Rodríguez*

High rate of tissue persistence of Chlamydia Trachomatis after one treatment cycle with oral Azithromycin in adult inclusion conjunctivitis.

*Karim Mohamed Noriega, Humberto Cavazos, Jesús González, Jesús Mohamed Hamsho, Jibrán Mohamed, Ana Rodríguez*

**FP-SA-7021/ 16:00 - 17:30/ Salón de Eventos 9**

## Oncología ocular

Moderadores: *Edwin Anaya, Sandra Salazar, Lourdes Rodríguez*

Frecuencia de Neoplasia Escamosa de la Superficie Ocular Coexistente con Pterigio

*Pedro Salazar, Alexander Castañeda*

Asociación del retinoblastoma con el polimorfismo rs2279744 del gen MDM2 y sus características clínicas en población infantil mexicana

*Edwin Anaya, Rubén Cárdenas, Yolanda Jaramillo, Jesús Nares*

Eficacia y seguridad de los inmunomoduladores biológicos: rituximab, adalimumab e infliximab en patología orbitaria.

*Luz Arce, Edwin Anaya, Mildred Díaz, Yukie García*

Detección del autoanticuerpo Anti TSHR en lágrima y suero de pacientes con orbitopatía distiroidea

*Denisse García, Atzin Robles*

Ophthalmic approach for treatment of carotid cavernous sinus fistulas: Case report

*Nubia Rodríguez, Ricardo Ruíz*

Manejo multidisciplinario para la descompresión orbitaria y del canal óptico en meningiomas.

*Sandra Salazar, Karina Mateos, Sara Plazola, Erving Venegas*

Celulitis Preseptal. Experiencia de 10 años en la Asociación para Evitar la Ceguera en Mexico.

*Cristian Montecinos, Nelson Inzulza, Vianhi López, Carlos Navar, Paulina Núñez, Fabiola Ogaz, Anallely Urieta*

Aplicación de Bleomicina intralesional como terapia esclerosante en linfangiomas y malformaciones venosas en órbita y párpados

*Karla Rojas, Sara Plazola*

Análisis de la presencia de Chlamydia spp asociada al desarrollo de linfomas de anexos oculares

*Lourdes Rodríguez, Víctor Bautista, Herlinda Mejía, Abelardo Rodríguez*

Celulitis orbitaria: Características epidemiológicas y demográficas en la Asociación Para Evitar la Ceguera en Mexico "Dr. Luis Sánchez Bulnes". Revisión de 10 años.

*Paulina Núñez, Nelson Inzulza, Vianhi López, Cristian Montecinos, Carlos Navar, Rosa Rubio, Anallely Urieta*

Pacientes eviscerados en la Asociación para Evitar la Ceguera "Dr. Luis Sánchez Bulnes" 2007–2014.

*Nelson Inzulza, Ariel Ceriotto, Vianhi López, Cristian Montecinos, Carlos Navar, Paulina Núñez, Guillermo Salcedo, Anallely Urieta*







**Sunday, February 7<sup>th</sup> 2016**



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## Invited Symposium

### IS-SU-123/ 8:30 - 10:00/ Salón Zapopan

#### (The Retina Society) Innovations in Surgical Retina: A Case-Based Update

Chair(s): *Virgilio Morales, Hugo Quiroz*

Diabetic Tractional Retinal Detachment: Using Only Vitreous Cutter  
*Shlomit Schaal*

Diabetic Tractional Retinal Detachment: Using Bimanual Techniques  
*Tamer Mahmoud*

Idiopathic Macular Holes: Peeling the ILM with ICG  
*Albert Augustin*

Idiopathic Macular Holes: Peeling the ILM with Brilliant Blue  
*Christiane Falkner-Radler*

Giant Retinal Tears: Vitrectomy and Encircling Band  
*Antonio Ciardella*

Giant Retinal Tears: Only Pars Plana Vitrectomy  
*Carsten Meyer*

Proliferative Vitreoretinopathy: New Instrumentation to Solve this Complication  
*Lihteh Wu*

### IS-SU-126/ 8:30 - 10:30/ Salón Tequila

#### Ocular Trauma

Chair: *José Dalma*

Current Management of Corneo-Scleral Injuries  
*Valeria Sánchez*

Strategies in Anterior Segment Reconstruction  
*Pedro Carricondo*

Current Strategies in the Management of Posterior Segment Injuries  
*Wolfgang Schrader*

Post Traumatic Glaucoma and Hypotension  
*Virgilio Lima*

Management of Foreign Bodies Embedded in the Posterior Segment  
*Dante Pieramici*

When to Stop in the Repair of Severe Ocular Trauma  
*Ferenc Kuhn*

### IS-SU-138/ 8:30 - 10:00/ Guadalajara 8



#### Surgical Approach to Inflammatory and Infectious Diseases of the Vitreous and Retina

Chair(s): *Manuel Sáenz De Viteri*

Management of Retinal Parasitosis  
*Francisco Martínez*

Update in Vitreo-Retinal Surgery in Intermediate Uveitis  
*José Roca*

Vitrectomy in Viral Chorioretinitis  
*José Luis Guerrero*

Vitrectomy in Persistent Macular Edema  
*Rafael Cortéz*

Vitrectomy in Cases of Endogenous Endophthalmitis Secondary to Fungal (*Candida Albicans*) Infections  
*Alfredo García*

Management of Acute Retinal Necrosis  
*René Cano*

Management of Infection Post Application of Antiangiogenic Agents and Final Remarks  
*Manuel Sáenz De Viteri*



**IS-SU-149/ 8:30 - 10:00/ Moda**

## Neglected Tropical Diseases: Are We on Track?

Chair(s): *Luis Castellanos, Amir Kello, Muhammad Rabi, Martha Saboya*

### Description:

Since the adoption of PAHO Resolution CD49.R19 on the elimination of neglected diseases and other poverty-related diseases in 2009, there has been a growing global and regional commitment to the control and elimination of many neglected diseases and other poverty related infections (in this report, referred to as NIDs). The political commitment to neglected infectious diseases (NIDs) elimination has also increased in the Region and other WHO regions, accompanied by reassignment or commitment of resources to scale up control, elimination, and monitoring of impacts. The development and availability of new tools and methods to combat and monitor NIDs, the improvement of health service infrastructure, and the implementation of primary care strategies have made it possible to improve surveillance, treatment, prevention and control of NIDs. Selected diseases have now even become targets for elimination.

In the Americas, WHO verified the elimination of onchocerciasis in Colombia in 2013 and in Ecuador in 2014. The number of people needing treatment for onchocerciasis in the Region has dropped from over 336,000 in 2009 to just over 20,000 in 2014. The number of onchocerciasis foci with active transmission has dropped from 7 to 2 foci in the same period. Mexico is expecting to request verification of elimination of blindness due to trachoma in the near future, while Colombia recently confirmed that it is endemic for blinding trachoma and is treating patients. Since 2009 three countries have been removed from the WHO map of lymphatic filariasis-endemic countries (Costa Rica, Suriname, and Trinidad and Tobago), and three countries have significantly reduced areas of transmission (Brazil, Haiti, and the Dominican Republic), bringing them closer to elimination. Several countries in Central and South America have eliminated transmission of Chaga's disease by the principal domestic vector, and 20 of 21 endemic countries have 100% screening of blood banks.

This session will be focused on the lessons learnt in the Region of the Americas to tackle NIDs, as well as on the challenges and opportunities to reach and sustain the elimination goals.

Are We on Track to Achieve the GET 2020 Target?  
*Anthony Solomon*

Trachomatous Trichiasis Surgery in Latin America  
*Ángela Gutiérrez*

Elimination of Blinding Trachoma in Mexico: The Success Story of an Integrated Program  
*Cuauhtémoc Mancha*

Onchocerciasis Elimination: Tools for the End Game  
*Adrian Hopkins*

Near Onchocerciasis Elimination in the Americas and the Last Challenge  
*Mauricio Sauerbrey*

What Follows after Elimination of Onchocerciasis and Blinding Trachoma in the Americas? Lessons for Addressing Other NTDs  
*Luis Castellanos*

**IS-SU-156/ 8:30 - 10:00/ Salón Tonalá**

## Imaging in Ocular and Orbital Tumors

Chair(s): *Masood Naseripour*

### Description:

This course will discuss different aspects of imaging modalities which are used in diagnosis of ocular tumors. The emphasis will be on how these technologies help us to differentiate orbital and intraocular tumors. Lectures will be followed by 20 minutes of discussion to answer some emerging questions.

Fundus Imaging in Pediatric Ocular Oncology  
*Francis Munier*

MRI Versus CT scan Imaging of Orbital Tumors  
*Santosh Honavar*

Cutting-edge Imaging Methods: OCT Angiography and Multispectral Imaging in Ocular Oncology  
*Carol Shields*



Wide Angle (150°) ICG and Fluorescence Angiography in Ocular Oncology  
*Leónidas Zografos*

Tips and Tricks in A&B Ultrasound in Diagnosis and Management of Intraocular Tumors  
*Masood Naseripour*

High Resolution (50 MHz) Ultrasonography for the Investigation of Iris and Ciliary Body Tumors  
*Arun Singh*

Imaging of Intraocular Tumors Following Irradiation Treatment  
*Stefan Seregard*

## IS-SU-180/ 8:30 - 10:00/ Guadalajara 2

### (APAO) Childhood Blindness and Visual Impairment in Asia Pacific Region

Chair(s): *Frank Martin, Kanxing Zhao*

#### Description:

Childhood blindness and visual impairment is an important issue in the Asia Pacific Region. This symposium brings together experts from the Region to highlight the importance of the childhood blindness problems and to discuss about various aspects, including retinopathy of prematurity, childhood cataracts, uncorrected refractive errors etc. Moreover, public health approach to prevent the childhood blindness and an advocacy agenda for the child eye health in the Asia Pacific Region will also be discussed.

Overview of Childhood Blindness and Visual Impairment in the Asia Pacific Region  
*Seang Mei Saw*

ROP: Are We Facing an Epidemic?  
*Rajvardhan Azad*

Refractive Errors as a Cause for Childhood Blindness and Visual Impairment in the Asia Pacific Region  
*Nathan Congdon*

Public Health Approach to Childhood Blindness and Visual Impairment in the Asia Pacific Region  
*Abu Raihan*

The Role of Pediatric Ophthalmologists in Child Eye Care  
*Marilyn Miller*

## IS-SU-221/ 8:30 - 10:00/ Salón de Eventos 1

### Ophthalmic Practice Management and ICD-11

Chair(s): *August Colenbrander, Satoshi Kashii*

#### Description:

This symposium highlights new International Classification of Diseases, ICD-11 that is due by 2017. Physicians agree that the present coding systems are outdated regardless of ICD-10 or ICD-9-CM. Approved by WHO in 2008, International Council of Ophthalmology formed the Ophthalmology Topic Advisory Group to create the ICD-11 on the Internet through the Collaborative Authoring Tool Platform similar to Wikipedia with a strict editorial system. It incorporates definitions and linkages to other terminologies such as SNOWMED-CT. It will be readily integrated into routine practice in different settings including primary care, more specialized clinical care and research. The symposium addresses how the ICD-11 would impact our future ophthalmic practice and current key issues concerning the ICD 11 beta version. Unique educational applications of its multiple lingual representations and disorders of visual sense that features our chapter will be detailed.

#### Opening Remarks

*Hugh Taylor, ICO President*

Overview of ICD-11 Ophthalmology  
*Satoshi Kashii*

ICD-11 and Terminology  
*P. Lloyd Hildebrand*

ICD-11 and Tumor Classification  
*Tero Kivela*

ICD-11 and Ophthalmic Education  
*Karl Golnik*

Vision and ICD-11  
*August Colenbrander*



**IS-SU-264/ 8:30 - 10:00/ Guadalajara 3**



## Interactive Session

### Periocular Rejuvenation, Subtlety as a Specialty (An Interactive Session): Surgical, Minimal Invasive and Non surgical Rejuvenation Around the Periocular Region with Emphasis on Subtlety

Chair(s): *Vinod Gauba, Guillermo Salcedo, M. Reza Vagefi*

#### Description:

Current procedural trends have demonstrated a shift from aesthetic surgical interventions to minimally invasive procedures that offer predictable outcomes with little downtime and a more favorable risk profile. This session provides a sensible approach for the evaluation of patients interested in such interventions. A specific focus on subtlety and achieving a pleasing aesthetic result that is natural yet restorative is presented. Experts in the field cover techniques to rejuvenate the various aesthetic units of the ocular adnexa in practical fashion that meets patient expectations while remaining within the confines of each intervention. The session will conclude with interactive case studies involving the panel with audience participation welcomed.

Assessment: Evaluating and Delivering a Customized Plan  
*M. Reza Vagefi*

Periocular Skin Rejuvenation  
*Wendy Lee*

Periocular Rejuvenation with Injectables: Subtlety is Key  
*Sabrina Shah-Desai*

Rejuvenation of the Lateral Canthus  
*Guillermo Salcedo*

Brow Rejuvenation: Subtlety is Key  
*Vinod Gauba*

Managing Subtle Asymmetry  
*Robert Goldberg*

**IS-SU-376/ 8:30 - 10:00/ Guadalajara 4**



### (PAAO) A Contemporary View of Diagnosis and Treatment of Anterior Segment Diseases: Things You Don't Want to Miss

Chair(s): *Richard Abbott, Guillermo Amescua, Paulo Dantas*

#### Description:

This symposium aims for transmitting current and relevant information on cornea and external diseases through a group of experienced and prominent ophthalmologists.

Acanthamoeba Keratitis: Am I Missing Something?  
*Denise De Freitas*

Imaging for Ocular Surface Tumors  
*Carol Karp*

Early Keratoconus: If I See It, Should I Treat It?  
*Ana Luisa Hofling*

Ocular Allergy: How to Avoid and Treat Efficiently  
*M. Cristina Nishiwaki*

Fungal Keratitis in the 21st Century  
*Guillermo Amescua*

Cicatricial Conjunctival Disease: Mucous Membrane Pemphigoid and Stevens Johnson Syndrome  
*Enrique Graue-Hernández*

Ocular Rosacea: update  
*Mark Mannis*

Corneal Trauma  
*Richard Abbott*

**IS-SU-2963/ 08:30-10:00/ Guadalajara 5**



### New and Evolving Technology in Cataract Surgery

Chair(s): *Roberto Bellucci, Arturo Chayet*

#### Description:

This symposium will present some of the most exciting new technologies for refractive IOLs, automated capsulotomy, and non-laser nuclear fragmentation.

4-year Results with a Trifocal IOL  
*Luis Izquierdo*

Results with a Toric Trifocal IOL  
*Arturo Ramirez*

Extended Depth of Focus with the Symphony IOL  
*George Beiko*

Aspheric Presbyopic Correction with the Light Adjustable Lens  
*Arturo Chayet*

The Power Vision Lens  
*Samuel Masket*

A New IOL with Extended Depth of Focus: The Mini Well Lens  
*Roberto Bellucci*

Capsulaser: A New Approach to Laser Capsulotomy  
*Richard Packard*

Zepto Precision Pulse Capsulotomy – A Disposable Automated Capsulotomy Instrument  
*David Chang*

Zero-Energy Lens Fragmentation  
*Tsontcho Ianchulev*

**IS-SU-4/ 8:30 – 10:00/ Guadalajara 7**



## Wilmer Eye Institute: current state of ocular conditions for the comprehensive ophthalmologist

Chair(s): *Peter McDonnell, J. Fernando Arévalo*

### Description:

This course will discuss the current state of ocular conditions for the comprehensive ophthalmologist, including retinal diseases and surgery, cornea diseases and surgery, glaucoma, malignant melanoma, uveitis, oculoplastics, and cataract. Experts from the Wilmer Eye Institute at Johns Hopkins University will discuss the impact that several ocular conditions have had worldwide and its current management. Topics will be rotated every year to cover a wider variety of diseases. OBJECTIVE At the conclusion of this course, participants will understand a variety of ocular conditions and its management in and outside the United States based on Wilmer international experience.

Introduction  
*Peter McDonnell*

Deep Anterior Lamellar Keratoplasty: The New Penetrating Keratoplasty  
*Ashley Behrens*

Femtosecond laser assisted cataract surgery  
*William May*

Uveal Melanoma: New Frontiers in Prognostication and Treatment  
*Mary Beth Aronow*

Nanotechnology and the Death of Eye Drops  
*Peter McDonnell*

Tattoo associated Uveitis  
*Ashvini Reddy*

Nano-Medicine and Regenerative Medicine: The New Frontiers of Corneal Transplantation  
*Samuel Yiu*

Update on Idiopathic Orbital Inflammation and IgG4  
*Roxana Rivera*

Small-gauge vitrectomy: Smaller is Better  
*J. Fernando Arévalo*

Final considerations & Questions  
*J. Fernando Arévalo*

**IS-SU-462/ 8:30 - 10:00/ Mueble I & II**

## (PAAO) Challenging Cases in Inflammatory Eye Diseases

Chair(s): *Lourdes Arellanes, Careen Lowder, Cristina Muccioli*

### Description:

The presentations will emphasize clinical findings, evaluation, differential diagnoses and treatment of challenging uveitis patients.

Challenging Case 1  
*Careen Lowder*

Challenging Case 2  
*H. Nida Sen*



Challenging Case 3  
*Debra A. Goldstein*

Challenging Case 4  
*Cristina Muccioli*

Challenging Case 5  
*Rubens Belfort*

Challenging Case 6  
*Lourdes Arellanes*

Challenging Case 7  
*Alejandra De La Torre*

Challenging Case 8  
*Manfred Zierhut*

Challenging Case 9  
*Luz Elena Concha*

**IS-SU-477/ 8:30 - 10:00/ Alcalde**

**Interactive Session** 

## Global Diabetic Eye Care: International Diabetic Eye Screening, Innovations and ICO Diabetic Guidelines

Chair(s): *Lloyd Aiello, Mahi Muqit, Juan Verdaguer*

### Description:

In the era of the global diabetes epidemic, 0.6 billion diabetics are predicted by 2035. Diabetic retinopathy education and screening coupled with country-specific programmes are being developed in the light of innovative screening models, new technology, and modern laser techniques. The ICO Diabetic Eye Care Guidelines provide an important framework for international programmes to refine screening practices, and these will be explored with leading experts. This special ICO symposium will showcase the experiences of successful projects, educational tools for ophthalmologists and graders, and innovative approaches for developing an international diabetic retinopathy screening programme in a host country.

Expanding DR Screening in Indonesia  
*David Friedman*

Showcase of Diabetic Retinopathy Screening Programmes in Resource Poor Country-Rwanda  
*Ciku Mathenge*

Electronic Decision Making and Better Patient Self Management  
*Lesley Podesta*

Smartphone and Tablet Technology in Diabetic Retinopathy Screening  
*Sunil Moreker*

E-learning for ICO Diabetic Eye Care Guidelines  
*Eduardo Mayorga*

Global Dissemination of ICO Diabetic Guidelines: Success and Challenges Ahead  
*Neeru Gupta*

Benchmarks for Diabetic Screener/Graders: Certification, Testing and Training  
*Mahi Muqit*

**IS-SU-519/ 8:30 - 10:00/ Joya I & II**

## (ISOP) Symposium: Infection of the Eye and Adnexa

Chair(s): *Sarah Coupland, Steffen Heegaard*

### Description:

This session will provide some interesting case reports demonstrating the clinicopathological findings of ocular and ocular adnexal infection, revealing how difficult they may be to diagnose clinically, and the investigations required and undertaken to identify the microorganism causing the infection.

Commencing the session will be the 'Gordon Klintworth ISOP Lecture' given in memory of Gordon K. Klintworth who passed away on August 8th 2014 after battling 7 years with cancer. Dr. Klintworth founded the International Society of Ophthalmic Pathology (ISOP) and became its first president in 1988. This group continues to have an international presence under the current president, Sarah Coupland, MD, PhD. In honour of Dr. Klintworth's contributions to ocular pathology, the ISOP will hold the inaugural 'Klintworth lecture' as part of its symposium every two years at the World Ophthalmology Congress (WOC) and this lecture, to be given by a person of standing in eye pathology, will be published in the Journal "Ocular Oncology and Pathology".

Ocular Coherence Tomography: Clinicopathologic Correlations  
*Ralph Eagle*

Corneal Graft Infection by Unusual Candida Species  
*Hind Alkatan*

Subconjunctival *Dirofilaria Repens* Infestation: A Light and Scanning Electron Microscopy Study  
*Steffen Heegaard*

Ocular Infection  
*Charles Eberhart*

Intraocular Toxoplasmosis  
*Sarah Coupland*

Orbital Aspergillosis  
*Geeta Vemuganti*

Dacryostenosis and Dacryocystitis: Caused by an Unexpected Pathogen  
*Daniel Briscoe*

**IS-SU-113/ 10:30 - 12:00/ Guadalajara 2**

**(AOS) Update on Retinoblastoma**

Chair(s): *Marilyn Miller, Emma Teresa Villaseñor, Edward Wilson*

Description:

Retinoblastoma is the most common primary intraocular malignancy of childhood. In recent years, there has been remarkable progress in the understanding and targeted treatment of this important childhood cancer. In this symposium, international experts will summarize new developments that have improved survival, preserved vision, and even prevented second cancers. They will also discuss the challenges of providing access to care to those in developing nations.

Historic View of Retinoblastoma  
*Hans Grossniklaus*

Update on Retinoblastoma Pathology  
*Ralph Eagle*

Advanced Retinoblastoma: IAC vs. Enucleation; A Point / Counterpoint  
*Carol Shields, Matthew Wilson*

Retinoblastoma in Mexico  
*Juan Carlos Juárez*

Genetic Counselling: An Overview  
*Elias Traboulsi*

Retinoblastoma Genetics 2016  
*Irene Maumenee*

**IS-SU-119/ 10:30 - 12:00/ Salón Tequila**

**(AAO and OSWI) Diabetic Retinopathy from Screening to Surgery**

Chair(s): *Ronnie Bhola, R.V. Paul Chan*

Does Concurrent Diabetes and Sickle Cell Worsen the Retinopathy?  
*Lizette Mowatt*

Vitrectomy Surgery in the Caribbean  
*Ronnie Bhola*

Ocular Telemedicine and Diabetic Retinopathy Diagnostics in the Age of Citizen Science and Mobile Technology in Medicine  
*Delia Cabrera*

Diabetic Retinopathy Screening in the Caribbean: Gazing into the Future  
*Nilesh Persad*

5 Year Results of Anti-VEGF for Diabetic Retinopathy  
*Lihteh Wu*

Surgery for DME  
*Virgilio Morales*

Update on Evidence-Based Treatment of Diabetic Macular Edema and/or Update on Evidence-Based Treatment of Proliferative Diabetic Retinopathy  
*Jennifer Sun*

MIVS for Diabetic Retinopathy  
*María Berrocal*



## IS-SU-135/ 10:30 - 12:00/ Guadalajara 8

### Metastatic Disease, Melanomas and Angioma

Chair(s): *Emiliano Fulda*

Update on Melanocytic Tumors  
*Vasiliki Poulaki*

Fine Needle Aspiration Biopsy in Melanocytic Tumors  
*David Pelayes*

Genetics and Melanoma  
*Hatem Krema*

Biopsy in Non-Melanocytic Tumors  
*Daniel Moreno*

When to Think of Metastatic Disease?  
*Luis Porfirio Orozco*

## IS-SU-151/ 10:30 - 12:00/ Moda

### Comprehensive Eye Care or Disease Specific Approaches?

Chair(s): *Silvio Mariotti, Henry Nkumbe, Fernando Yaacov*

#### Description:

Today the main causes of visual impairments are chronic eye diseases, which require professional knowledge, equipment and patients' education to successfully avoid blinding consequences. While the comprehensive eye care approach promise to unify all this for the patient safety and quality of care, this session will explore to which extent the sophisticated knowledge required can be realistically expected from a comprehensive ophthalmologist? Leading sub-specialty professionals will discuss if, and how, can top quality sub-specialty eye care can be delivered in a comprehensive eye care framework.

Comprehensive Eye Care  
*Silvio Mariotti*

Cataract Management as Part of Comprehensive Eye Care  
*Gullapalli Rao*

Refractive Errors Management as Part of Comprehensive Eye Care  
*Kovin Naidoo*

Glaucoma management as Part of Comprehensive Eye Care  
*David Friedman*

Diabetic Retinopathy Management as Part of Comprehensive Eye Care  
*Henry Nkumbe*

Childhood Eye Diseases as Part of Comprehensive Eye Care  
*Celia Nakanami*

## IS-SU-204/ 10:30 - 12:00/ Alcalde

### (IOIS) Controversies in Diagnosis and Management of Granulomatous Uveitis

Chair(s): *Kalpana Murthy, Narsing Rao*

#### Description:

The objective of this session is to present different controversies surrounding diagnosis and management of different types of granulomatous uveitis like tubercular uveitis, sarcoid uveitis, viral uveitis, toxoplasma uveitis, VKH and sympathetic ophthalmia. This session aims to allay doubts regarding the diagnosis and the preferred drug/duration of treatment in the above types of uveitis

Target audience: Intermediate level and comprehensive ophthalmologists

Controversies in Diagnosis of Intraocular Tuberculosis in Endemic Countries  
*Shishir Narain*

Management of Intraocular Tuberculosis in Nonendemic Countries  
*Bahram Bodaghi*

Treatment of Acute VKH with Immunomodulatory Agents  
*Lourdes Arellanes*

Diagnosis of Ocular Sarcoidosis in Tuberculosis Endemic Regions  
*Kalpana Murthy*

Prevention of Sympathetic Ophthalmia  
*Lucía Sobrin*

Local Versus Systemic Treatment of Ocular Toxoplasmosis  
*Ann-Marie Lobo*

Anatomy and Physiology of Lacrimal Passage  
*Hirohiko Kakizaki*

**IS-SU-263/ 10:30 - 12:00/ Guadalajara 3** 

Extended Endoscopic vs. External DCR: 5 Years Follow Up  
*Ariel Ceriotto*

**Interactive Session** 

Endonasal DCR for the 21st Century  
*Yasser Khan*

**Lacrimal Management (An Interactive Session): Diagnostic, Therapeutic from Minimal Invasive, Standard to Conventional Types**

Endoscopic Lacrimal Surgery in Children  
*Ángela Dolmetsch*

Chair(s): *Reynaldo Javate*

**IS-SU-2921/ 10:30 - 12:00/ Guadalajara 9**

Description:

**(PAAO and PAGS) Glaucoma: At the Leading Edge**

This symposium will present a comprehensive understanding of the current surgical techniques of the lacrimal system; catering to beginning as well as experienced ophthalmologists. The Anatomy and Physiology of the Lacrimal Passage will be reviewed. A discussion on the general indications for and operative approaches to the obstructed nasolacrimal system will be made.

Chair(s): *Jesús Jiménez-Román, Fabián Lerner, Rodolfo Pérez*

Choice of procedures will be considered in the light of currently available evidence and finer points of surgical techniques. Congénital nasolacrimal duct obstruction, proximal canalicular obstructions, external, transnasal, and endonasal DCR and transcanalicular recanalization will be included among other topics.

Central Visual Field Analysis in Glaucoma  
*C. Gustavo De Moraes*

The use of the endoscope and microendoscope in diagnosis and management of lacrimal disorders, lacrimal surgery in children, placement of Jones tubes and intubation will be covered.

The Lamina Cribrosa in Glaucoma Physiopathology and Management  
*Tae Woo Kim*

The current management practices for a wide spectrum of lacrimal disorders will be tackled, uncovering minimally invasive, standard and conventional options.

Intracranial Pressure and Glaucoma: What Should We Know?  
*Ningli Wang*

Balloon Assisted Transcanalicular Endoscopic Lacrimal Duct Recanalization  
*Reynaldo Javate*

What is New in Angle Surgery?  
*Robert Weinreb*

Congénital Lacrimal Duct Obstruction  
*Pedro Bravo, Gonzalo Matus*

Integrating Structure and Function: Problems and Solutions  
*Augusto Paranhos*

Nasolacrimal Duct Intubation for Adults Using Lacrimal Endoscope and Self Retaining Lacrimal Stents  
*Toru Suzuki*

**IS-SU-2943/ 10:30 - 12:00/ Guadalajara 4** 

**Femtosecond Laser for Corneal Surgery**

Chair(s): *Dimitri Azaar, José De La Cruz*

Description:

This symposium will provide an overview of the most useful surgical applications of the Femtosecond laser technology for corneal surgery.



Principles of Femto-Laser Technology and Applications to Decrease Corneal Transplant Induced Astigmatism  
*Dimitri Azaar*

Combining OCT Imaging with Femto-Laser Technology for Corneal Surgery  
*José De La Cruz*

Femtosecond Laser for Lamellar and Penetrating Corneal Surgery  
*Enrique Graue-Hernández*

Experience with the Zimer Z2 and Z8 Laser  
*Luis Izquierdo*

Femtosecond Laser Assisted DALK  
*Namrata Sharma*

Femtosecond Laser Assisted Anterior Lamellar Keratoplasty  
*Sonia Yoo*

## IS-SU-300/ 10:30 - 12:00/ Salón Tlaquepaque

### Ocular Drug Delivery

Chair(s): *Baruch Kuppermann, Gursel Yilmaz*

#### Description:

This symposium describes the the latest and useful ocular drug delivery systems. Also different delivery systems and the new delivery methods of the most often used drugs will be discussed. A broad spectrum of delivery methods from topical application to cell based systems of drugs to the eye will be presented.

Liposome and Microsphere Drug Delivery  
*José Augusto Cardillo*

Refillable Reservoir Drug Delivery  
*Mark Humayun*

Steroid Drug Delivery  
*Anat Loewenstein*

Topical Drug Delivery  
*Masahiko Shimura*

Neurotech ECT Cell Based Drug Delivery Technology  
*Baruch Kuppermann*

## IS-SU-347/ 10:30 - 12:00/ Calzado I & II

### Infections, Complications and Solutions

Chair(s): *Masahiko Fukuda, Mark Willcox*

Next-Generation Sequencing Data of Soft Contact Lens Storage Case Contaminations  
*Hiroshi Eguchi*

Cosmetic Contact Lenses and Infections  
*Junko Tsukiyama*

Risk Factors for Microbial Contamination  
*Nallely Ramos*

Genetic Susceptibility to Microbial Keratitis  
*Mark Willcox*

Current Aspects of Acanthamoeba Keratitis  
*Yoshitsugu Inoue*

## IS-SU-489/ 10:30 - 12:00/ Salón de Eventos 1

### (IJCAHPO) Eye Care Personnel. Resources for Effective Training

Chair(s): *Lynn Anderson, Ivo Kocur*

#### Description:

This course will review resources and new technologies for teaching residents, nurses and allied ophthalmic personnel. Presenters will address techniques for training trainers and the eye care team, as well as showcasing new technologies available and finding resources and international partners for collaboration.

Train the Trainer: An Educational Model for the Eye Care Team  
*Lynn Anderson*

Innovative Technologies for Teaching the Eye Care Team  
*William Astle*

The Use of Smartphone Technology for Enhancing Eye Care  
*Neeru Gupta*

Tips and Tricks for Teams to Work Efficiently  
*Eduardo Mayorga*



Training Trainers: Aravind's EyeExcel Program  
*Suzanne Gilbert*

How to Find Available Educational Resources and International Partners for Collaboration  
*Ivo Kocur*

## IS-SU-491/ 10:30 - 12:00/ Salón de Eventos 2

### International Ophthalmic History

Chair(s): *Albert Franceschetti, Andrzej Grzybowski*

#### Description:

A session in which different studies from around, during different historic periods of the world of the history of ophthalmology will be presented allowing the share of ideas and experiences facilitating the networking among those interested in the field.

The Travelling Oculist: The Chevalier Taylor's Itineraries  
*Hans-Reinhard Koch*

Amsler and His Grid  
*Albert Franceschetti*

Daza de Valdes (1591-1634): Pioneer of Physiological Optics  
*Javier Jiménez*

Wegener's Granulomatosis: Should We Change the Name of the Disease?  
*Andrzej Grzybowski*

History of Angle Closure  
*Robert Ritch*

The Internationalization of Ophthalmology  
*Bruce Spivey*

## IS-SU-518/ 10:30 - 12:00/ Guadalajara 5



### Advances in Customized Refractive Treatments and Femtosecond Lasers in 2016

Chair(s): *Everardo Hernández, Gerard Sutton*

#### Description:

Advances in customized refractive treatments and femtosecond lasers in 2016.

Femtoflap For an Optimized LASIK  
*Parag Majmudar*

Femtosecond and Intracorneal Ring Segment for a Gain in Efficacy  
*David Touboul*

The Place of Femtosecond in Keratoplasty  
*Gerard Sutton*

Relax Concept to Replace Photo Ablation?  
*Catherine Ganem*

Femtocataract for an Optimized Lenectomy?  
*Zoltan Nagy*

Femtolens Incisions for Accommodation Restoration  
*Ronald Krueger*

## IS-SU-826/ 10:30 - 12:00/ Salón Zapopan

### (NANOS) A Practical Approach to the Patient with Common Neuro Ophthalmologic Presentations

Chair(s): *Karl Golnik, Aki Kawasaki*

#### Description:

This symposium will provide a practical step-by-step approach to common neuro-ophthalmologic presentations. Each talk will begin with a case followed by discussion of the crucial historical and clinical findings that lead to the correct diagnosis. Differential diagnosis and appropriate management will be discussed.

The Patient Who Presents with Monocular Transient Visual Loss and Normal Examination  
*Emely Karam*



The Patient Who Presents with Acute Visual Loss and Monocular Optic Disc Swelling  
*Carmen Chan*

The Patient Who Presents with Bilateral Optic Disc Swelling  
*Aki Kawasaki*

The Patient Who Presents with Optic Atrophy  
*Peter Quiros*

The Patient Who Presents with Ptosis  
*Prem Subramanian*

The Patient Who Presents with Double Vision  
*Karl Golnik*

**SE-SU-4/ 10:30 – 11:15/ Guadalajara 7**



## Evento Especial Sociedad Mexicana de Oftalmología

Presiden: *Enrique L. Graue*, Presidente del Comité Organizador WOC2016 / XXXIII Congreso Mexicano de Oftalmología

Luis Porfirio Orozco, Vicepresidente de la Sociedad Mexicana de Oftalmología

## Conferencia Magistral “Sociedad Mexicana de Oftalmología”

### José Antonio Salazar: Diagnóstico oftalmológico en pacientes pediátricos

Presenta: *Ricardo Trigo*

**SE-SU-4/ 11:15 – 12:00/ Guadalajara 7**



## Mesa Redonda Magistral “Dr. Antonio Torres Estrada”

### José Dalma: Trauma orbitario y ocular

Panelistas: *Ariel Ceriotto, Efraín Romo, Fernando Peniche, Santiago García*

**IS-SU-105/ 14:00 - 15:30/ Guadalajara 2**

## (AAPOS) Difficult Problems in Strabismus

Chair(s): *Jane Edmond, Leonardo Fernández, David Plager*

### Description:

The most common conditions encountered by pediatric ophthalmologists concern strabismus. Patients that present with straight-forward unoperated strabismus do not present a challenge. However, patients who present with very complex strabismus or null point nystagmus pose diagnostic and therapeutic challenges: nystagmus with a torsional component, strabismus secondary to thyroid eye disease, orbital trauma, cranial nerve palsies, aberrant Innervation, and age related orbital anomalies. This symposium will specifically deal with rarer and more atypical presentations of strabismus that present a knowledge gap to the practicing pediatric ophthalmologist.

Against the Rule Torsional Nystagmus Surgery  
*Federico Vélez*

Thyroid-related Strabismus: Do any Rules Apply?  
*Prem Subramanian*

Strabismus Due to Orbital Fractures  
*Jonathan Holmes*

One Eye Is the Problem but the Other Eye Is the Solution  
*Edward Buckley*

Horizontal Muscle Anterior Extirpation (Sinskey Procedure) for Nystagmus: Modifications to Reduce Post-Operative Exotropia  
*Edward Wilson*

Results of Lateralis Splitting in 3rd Nerve Palsy  
*Birgit Lorenz*

Co-Contraction Strabismus: Undoing What Was Done  
*Michael Struck*

Sudden Onset, Acquired Strabismus in the Elderly: Think of the Sagging Eye Syndrome (SES)  
*Zia Chaudhuri*

**IS-SU-257/ 14:00 - 15:30/ Guadalajara 3**



## (APSOPRS) Orbital Diagnosis and Management: The Current Status

Chair(s): *Chai Teck Choo, Ashok Grover, Hirohiko Kakizaki*

### Description:

The session aims to bring an update on the current status in the diagnosis and management of the orbital disorders. The diagnostic and therapeutic aspects in the rapidly evolving fields of orbital lymphoma and orbital inflammations will be presented. Orbital secondary and metastatic tumours will be highlighted. Current aesthetic and minimally invasive surgical approaches for orbitotomy in the management of orbital tumours will be presented.

Clinical and Radiological Features of Orbital Lymphoma  
*Hee Bae Ahn*

Update on Ocular Adnexal Lymphoproliferative Disease  
*Timothy Sullivan*

Orbital Inflammation, Is Biopsy Necessary or Not?  
*Chai Teck Choo*

Secondary and Metastatic Tumors of the Orbit  
*Kasturi Bhattacharjee*

Aesthetic Approaches to Orbital Space Occupying Lesions  
*Ashok Grover*

The Emerging Concepts of Orbital Complex Fracture Repair  
*Xianqun Fan*

Thyroid Eye Disease: Minimally Invasive Approaches for Orbital Decompression  
*Robert Goldberg*

Thyroid Eye Disease: Eyelid Surgeries  
*Hirohiko Kakizaki*

**IS-SU-226/ 14:00 - 15:30/ Guadalajara 4**



## (PanCornea) How to Reconstruct the Ocular Surface

Chair(s): *Guillermo Amescua, Alejandro Navas*

Surgical Rehabilitation for Patients with End Stage Steven Johnson Syndrome  
*Sayan Basu*

Experience with the Boston Type 1 Keratoprosthesis in Mexico  
*Enrique Graue-Hernández*

Amniotic Membrane for the Ocular Surface  
*Miguel López*

Treatment for Patients with Limbal Stem Cell Deficiency (LSCD)  
*Victor Pérez*

Oral Mucosal Transplantation for the Reconstruction of the Ocular Surface  
*José Álvaro Pereira*

**IS-SU-530/ 14:00 - 15:30/ Guadalajara 5**



## Refractive Lens Surgery: When, How and Why?

Chair(s): *Nada Jabbur, Everardo Hernández*

Description: Refractive Lens Surgery

Role of Phakic IOLs in High-Risk Corneas  
*Beatrice Cochener*

Quality of Life After Refractive Surgery  
*Ronald Krueger*

Topography Guided Treatment  
*Gerard Sutton*

The Role of Piggy Back IOLs in Refractive Surgery  
*Pascal Rozot*

Management of Dissatisfied Patients after Advanced IOL Technologies  
*Terrence O'Brien*



How Do I Pick the Best Intraocular Lens for Each Patient  
*Simonetta Morselli*

**IS-SU-5/ 14:00 – 15:30/ Guadalajara 7** 

## Manifestaciones neurooftalmológicas y orbitarias de tumores. Diagnóstico, tratamiento y secuelas

Moderadores: Evalicia Murúa, Pedro Iván González

### Descripción

Se tratará el tema de la patología orbitaria más frecuente con importancia desde el punto de vista neurooftalmológico, donde expertos en el área de oculoplástica y neuro oftalmología hablarán acerca de la exploración neurooftalmológica, principales manifestaciones clínicas, métodos de diagnóstico, perspectivas de tratamiento quirúrgico y la rehabilitación de sus probables secuelas.

Objetivo también es identificar momentos de oportunidad que comparten ambas subespecialidades y sugerir estrategias para el diagnóstico, referencia oportuna o posible tratamiento de pacientes con este tipo de patología orbitaria.

Exploración clínica neuro oftalmológica en tumores orbitarios  
Thamar Gómez

Tumores orbitarios más frecuentes con manifestaciones neuro oftalmológicas y manejo no quirúrgico  
Raquel Sánchez

Manejo quirúrgico de tumores orbitarios con manifestaciones neuro oftalmológicas. Abordajes orbitarios y abordajes multidisciplinarios.  
Alfio Piva

Secuelas neuro oftalmológicas de tumores orbitarios y manejo  
Irene González

MESA REDONDA

**IS-SU-122/ 14:00 - 15:30/ Guadalajara 8** 

## (EuroLam Retina Vitreoretinal Interface Latest Developments

Chair(s): *David Pelayes, Gisbert Richard*

### Description:

Using intraoperative videotapes and case presentations, a panel of internationally recognized experts will demonstrate their approach to various types of diseases involving the vitreoretinal interface.

Update Macular Pucker  
*René Cano*

MEWDS and Management of Complications  
*Francesco Bandello*

Surgical Management, Clinical Cases  
*Federico Graue*

Management of Corneal Bed Visualization and Vitrectomy  
*Pablo Chiaradia*

Different Aspects of Vitreo Macular Interface Problems in Diabetic Patients  
*Faisal Fayyad*

Diabetic Macular Edema and VR Interface  
*Stefan Seregard*

Radiation Maculopathy  
*Arun Singh*

Discussion  
*Gisbert Richard, David Pelayes*

**IS-SU-150/ 14:00 - 15:30/ Moda**

## Emerging Issues and Hot Topics

Chair(s): *Mingguang He, Serge Resnikoff, Glenn Strauss*

### Description:

This session will address one major emerging issue, the global epidemics of Myopia and High Myopia, and two hot topics: the use of surgical simulators and the pressing need to improve the quality of cataract surgery in areas of limited resources.

Myopia and High Myopia: Prevalence and Trends  
*Kovin Naidoo*

High Myopia: A Growing Public Health Issue  
*Mónica Jong*

Myopia Control: Evidence to Inform Policy  
*Padmaja Sankaridurg*

The Evolution of New Training Paradigms Based on Simulator Technology Advancements  
*Glenn Strauss*

Cloud-based Surgical Outcome Monitoring System and GIS-GPS Solution for Patient Mobilization/Post-surgery Follow-up  
*Venkat Sambandhamoorthy*

Assessing Cataract Surgery Quality in Areas of Limited Resources  
*Nathan Congdon*

## IS-SU-176/ 14:00 - 15:30/ Salón Tonalá

### (OOG) Lacrimal Gland Non neoplastic and neoplastic lesions

Chair(s): *Daniel Briscoe, Sarah Coupland, Steffen Heegaard*

Description:  
The session will give an update on lacrimal gland lesions and tumours. The clinical and paraclinical examinations on these patients will be discussed. The newest management of these tumours will be presented.

Medical Cancer Therapy of Lacrimal Gland Tumors  
*Christophe Le Tourneau*

Genetic Alterations in Tumors of the Lacrimal Gland  
*Sarah von Holstein*

Epidemiology of Lacrimal Gland Lesions in Denmark Over 30 Years  
*Steffen Heegaard*

Tumors of the Lacrimal Gland  
*Sarah Coupland*

Surgical Treatment of Lacrimal Gland Tumors  
*Daniel Briscoe*

## IS-SU-216/ 14:00 - 15:30/ Salón de Eventos 1

### Ethics in Ophthalmic Practice and Research

Chair(s): *Neeru Gupta, Kadircan Keskinbora, Pinar O'Dwyer*

Description:  
This session will cover core concepts in ethics and professionalism, and will highlight strategies to consider and incorporate them into daily ophthalmology clinical practice and research settings.

What is "Ethics" and how can we teach it?  
*Pinar O'Dwyer*

When does "Professionalism" Become "Unprofessional"?  
*Neeru Gupta*

"Professionalism" - How Can We Teach It?  
*Karl Golnik*

The Ethics of Teaching Surgical Skills  
*Chryssa McAlister*

The Ethics of Press Releases for Scientific Research Results  
*Pamela González*

Ethical Considerations for Clinical Trials?  
*Kadircan Keskinbora*

## IS-SU-223/ 14:00 - 15:30/ Salón de Eventos 3

### Management of Anterior Segment Injuries

Chair(s): *Sundaram Natarajan, Bade Ogundipe, Carlos Restrepo*

Description:  
Assistant will be able to review current practices in management of anterior segment injuries including how to treat traumatic cataracts, subluxated lens, adequate corneal wound and iris repair.

Management of Traumatic Cataract  
*Carlos Restrepo*

Subluxated Cataract  
*Mauricio Vélez*



Traumatic Cataract in Children  
*Ángela Fernández*

Improved Outcome with Laser Assisted Corneal Surgery  
in Traumatized Eyes  
*Arne Viestenz*

Corneal Wound and Iris Repair  
*Santiago García*

Trauma and Glaucoma  
*Rafael Castañeda*

## IS-SU-11/ 14:00 - 15:30/ Salón de Eventos 5

### (International Agency for the Prevention of Blindness): Global and Regional Prevention of Blindness: Progress towards Vision 2020, Global and Regional Actions Plans

Chair(s): *Juan Batlle, Fernando Barria*

Description: In this session, progress towards Vision 2020 goals and objectives as well as the Global and Regional action plans will be presented. With presentations and participation from government, INGO, ophthalmic associations, and institutions, we will touch on various studies and report on the progress towards the elimination of preventable blindness both globally and regionally (Latin America).

Global Progress towards Prevention of Blindness.  
*Peter Ackland*

Advances and Challenges towards the Prevention of Blindness in Latin America  
*Juan Carlos Silva*

Guidelines in Glaucoma in Latin America  
*Fernando Barria*

Results of Population Based Studies in Mexico  
*Pedro Gómez*

The Pan-American Association of Ophthalmology's (PAAO) role in Prevention of  
*Liana Ventura*

A discussion of a 9-year Cataract Surgical Rate study in Latin America  
*Van C. Lansingh*

## IS-SU-2929/ 14:00 - 15:30/ Salón Zapopan

### Curing, Caring, Coping: Tools to Help Your Patient Cope

Chair(s): *Jillia Bird, Robert Ritch*

Description:  
As ophthalmologists, we are used to solutions like glasses and cataract surgery, where patient CARE also means CURING the disorder. As our population ages, we have to confront chronic diseases, such as AMD and Glaucoma, where a definitive CURE is elusive, while CARE is still needed to help the patient COPE. This symposium will discuss some of the tools that can help you do this.

Scotoma Awareness: Keeping Your Patients Out of Danger  
*Joséph Lovett*

Avoiding a Journey into Darkness: Patients' Experiences  
*María Gorby*

Guidelines on the Referral of Visually Impaired Persons to Low Vision Services  
*Ger Rens*

Increasing Glaucoma Patients' Awareness and Empowerment  
*Isis Penido*

Increasing Glaucoma Patients' Awareness and Empowerment  
*Paulo Penido*

The Role of Rehabilitation  
*August Colenbrander*

## IS-SU-302/ 14:00 - 15:30/ Salón Tlaquepaque

### Anti-VEGF Therapy for Posterior Segment Diseases: Risks and Benefits

Chair(s): *Usha Chakravarthy, Baruch Kuppermann, Anat Loewenstein*

#### Description:

The symposium will focus on various anti VEGF therapies for diabetic retinopathy, age related macular degeneration and retinal vein occlusion. The risks and benefits of each drug administration for each disease will be described and discussed.

Combining Anti-VEGF and Anti PDGF Will Increase Safety and Efficacy?  
*Samir Patel*

State of the Art Treatment of RVO with Anti VEGF  
*Albert Augustin*

Predictive Biomarkers in Anti-VEGF Therapy  
*Ursula Schmidt*

Comparing Therapies in Terms of Safety and Efficacy  
*Usha Chakravarthy*

## IS-SU-315/ 14:00 - 15:30/ Alcalde

### (ISGEO) What Do Epidemiologic Studies Forecast about the Challenges in Ophthalmology in the Next Decade?

Chair(s): *Marie-Josée Aubin, Amir Kello*

Blindness and Visual Impairment in Latin America: Achievements, Opportunities, and Challenges  
*Marie-Josée Aubin*

Epidemiological Trends in Blindness and Visual Impairment in Africa  
*Kolawole Ogundimu*

The Cataract Challenge: Would There Still Be Enough Cataracts Around?  
*Parikshit Gogate*

Glaucoma and Diabetic Retinopathy: An Epidemic on the Horizon or Unnecessary Anxiety?  
*Rajiv Khandekar*

Refractive Errors: More Than It Meets The Eye  
*Praveen Vashist*

Retinopathy of Prematurity: Can We Conquer this Very Avoidable Cause of Blindness?  
*Anand Vinekar*

Childhood Blindness: The New Challenges  
*Victoria Sheffield*

## IS-SU-343/ 14:00 - 15:30/ Calzado I & II

### Post-Refractive Surgery and Contact Lenses: Contact lens Complications

Chair(s): *Shigeru Kinoshita, Bruce Koffler*

Description:  
Post-refractive surgery and Contact Lenses / Contact lens Complications

Contact Lens Wear Post Refractive Cataract Surgery: Patients Satisfaction  
*Ursula Vogt*

Rigid Gas Permeable Contact Lens with Reverse Geometry Design for Eyes Following Refractive Surgery  
*Naoyuki Maeda*

CRT: Correcting Residual Refractive Errors  
*Penny Asbell*

Introducing the Ultra Health SynerEyes Hybrid Lens for Post Refractive Corneal Fits  
*Bruce Koffler*

The Challenge of Contact Lens: Our Options in Post-Refractive Surgery  
*Tania Schaefer*

PostRefractive Surgery Contact Lens Fitting Feeds Individual Strategies  
*Gudrun Bischoff*

Contact Lens Related Keratitis and the Role of Tap Water  
*Deepinder Dhaliwal*

“Peter Halberg Lecture” Contact Lens Complications: From Basic Research to Clinical Practice  
*Yoshikazu Shimomura*



**IS-SU-498/ 14:00 - 15:30/ Salón Tequila**

## **(SPRV) New Trends in Management of Vitreoretinal Diseases**

Chair(s): *Mauricio Maia, José Roca, Francisco Rodríguez*

### Description:

The symposium will discuss the new trends in management of vitreoretinal diseases. The 10-years experience of intravitreal bevacizumab injection for a variety of vitreoretinal diseases will be discussed as well as the surgical innovations such as the trends in pediatric vitrectomy, new concepts in surgical management of macular holes, epiretinal membranes and vitreoretinal traction syndrome.

Additionally, the advances in phaco-vitrectomy will be covered as well as the preoperative use of bevacizumab in proliferative diabetic retinopathy (PDR) and the modern instrumentations used in PDR surgical techniques. Finally, the primary vitrectomy X buckle technique for rhegmatogenous retinal detachment repair as well as the current status of epiretinal prostheses surgical implantation will be also discussed.

Intravitreal Bevacizumab Injection for Vitreoretinal Diseases: 10 Years Experience of PACORES  
*Lihteh Wu*

Future Trends in Pediatric Vitrectomy  
*Audina Berrocal*

New Concepts in Surgical Management of Vitreoretinal Interface Diseases  
*Mauricio Maia*

Advances Phaco-Vitrectomy in 2016  
*Arturo Alezzandrini*

Innovative Surgical Techniques for Proliferative Diabetic Retinopathy  
*María Berrocal*

Retinal Detachment Repair in 2016  
*Virgilio Morales*

Tips and Tricks in Epiretinal Prostheses Surgical Implantation  
*J. Fernando Arévalo*

**IS-SU-509/ 14:00 - 15:30/ Guadalajara 9**

## **Vasospasm and Ocular Blood Flow in Glaucoma**

Chair(s): *Curt Hartleben, Kaweh Mansouri, Aparna Rao*

### Description:

In this session a clinical case will be presented to help exemplify and discuss the correlation with vasospasm and ocular blood flow with glaucoma. The genetics, diagnostic methods, different therapeutic approaches suggested, and the ongoing therapies proposed will be exposed.

Ocular Blood Flow in Glaucoma  
*Vital Costa*

Genetic Basis of Vasospasm and Glaucoma  
*Ingrida Januleviciene*

Future Horizons and New Investigations  
*Tetsuya Yamamoto*

Alternative Treatment Approaches  
*Chan Yun Kim*

Scientific Underpinnings for Vasospasms and Other Vascular Risk Factors  
*Pedro Corsino*

Vascular Changes in Glaucoma: Cause or Effect?  
*Aparna Rao*

**IS-SU-106/ 16:00 - 17:30/ Guadalajara 2**

## **(ISA) Contemporary Management of Amblyopia**

Chair(s): *Andrea Molinari, Michael Repka, Miho Sato*

### Description:

Amblyopia management has been updated and modified by the results of many clinical trials over the last few years. This evidence base includes both conventional treatments, as well as new research showing a benefit of binocular therapy. In this symposium, we discuss binocular treatment, liquid crystal display glasses, patching and atropine drops. The panel will discuss the research support for these treatments as well as how to incorporate them in the care of amblyopic children.



A Randomized Trial of Amblyz Liquid Crystal Occlusion Glasses vs Traditional Patching for Treatment of Moderate Unilateral Amblyopia in Children  
*Daniel Neely*

Amblyopia and Binocular Function  
*John Sloper*

Relevance of Functional Visual Assessment in Non-strabismic Refractive Amblyopia in Children and Adults  
*Zia Chaudhuri*

Standard Method for Treatment of Functional Amblyopia  
*Vincent Paris*

Levocarbipoda: One Choice  
*Silvia Moguel*

Aniso-accommodation as an Additional Factor in Anisometropic Amblyopia  
*Anna Horwood*

Unexpected PEDIG Clinical Trial Results: 2016  
*Michael Repk*

**IS-SU-267/ 16:00 - 17:30/ Guadalajara 3** 

**Minimally Invasive Orbital Surgery, Goal or Load, Hidden/ Small Incisional, Orbital Surgery, Discuss its Pros and Cons, Limitations and Indications, Room for Advancement**

Chair(s): *Lelio Baldeschi, Fernando Colombo, Daniel Rootman*

Description:

In this session learners will have the opportunity to interactively acquire knowledge regarding the newest advances in minimally invasive orbital surgery. The session will be divided into three sections focusing on different aspects of minimally invasive orbital surgery. The first will be centered on minimizing anesthesia. Dr Dolman will discuss the various technical and theoretical considerations in performing orbital surgery without general anesthesia.

The second section will focus on minimizing morbidity related to incisions. Drs. Tovilla, Kohn, and Grover will each present approaches aimed at hiding and/ or minimizing incisions when operating in both the

anterior and posterior orbit. Hidden transconjunctival transcaruncular, endonasal and transcutaneous approaches will be discussed. In the final section, Drs Corona and Goldberg will present considerations in accessing the posterior and superior orbit through keyhole and bone sparing approaches. Through this session participants will be able to improve their care of patients by minimizing risk and morbidity in orbital surgery.

Orbital Surgery Without General Anesthesia in the Operating Room

*Peter Dolman*

Conjunctival and Caruncular Approaches  
*José Luis Tovilla*

Trans-Nasal Approaches to the Orbit  
*Jocelyne Kohn*

Lid Crease Approach to Lateral Orbitotomy  
*Ashok Grover*

Small Incision Graded Orbital Decompression for Mild to Moderate Grave's  
*Jorge Corona*

Lacrimal Keyhole for Increasing Exposure in Tumor Excision (and Avoiding a Marginotomy)  
*Robert Goldberg*

**IS-SU-520/ 16:00 - 17:30/ Guadalajara 5** 

**Cornea and Lens Surgery for Management of Presbyopia**

Chair(s): *Beatrice Cochener, Gustavo Tamayo*

Description:

Cornea and Lens Surgery for management of presbyopia.

What Is the Best Presbylasik in 2016?  
*Gustavo Tamayo*

Monovision and Advanced Micromonovision  
*Ronald Krueger*

Diffraction or Refractive Multifocal IOLs?  
*Pascal Rozot*



New Generation of IOLs with Extended Depth of Focus: A Compromise?  
*Serge Zaluski*

Hope in Accommodative IOLs  
*Robert Ang*

**IS-SU-2949/ 16:00 - 17:30/ Guadalajara 6** 

## Femtosecond assisted Phacoemulsification in Special Cases

Chair(s): *Ramón Naranjo, Claudio Orlich, Cecilio Velasco*

Description:  
Femtosecond laser technology helps us to deal with challenging cataract surgery cases. The aim of this symposium is to demonstrate how this technology can help us in different challenging cases and how to use it.

Femtosecond Assisted Phacoemulsification in Children: Can We Do It? Difficulties, and How to Deal With It  
*Cecilio Velasco*

Femtosecond Assisted Phacoemulsification in Hypermature Cataract: Does it Work?  
*Claudio Orlich*

Endothelium 5 Years After Femtosecond Assisted Phacoemulsification  
*Ramón Naranjo*

Keratoprosthesis, Radial Keratotomy and Femtosecond-Assisted Phacoemulsification: Can We Do It?  
*Guillermo De Wit*

Femtosecond-Assisted Phacoemulsification in Shallow Anterior Chamber: Does It Help or Damage?  
*Rafael Castañeda*

**IS-SU-6/ 16:00 - 17:30/ Guadalajara 7** 

## Lo nuevo en el manejo de ectasias

Moderador: *Narly Ruíz*

Descripción: Se presentan los avances en el manejo de las distintas ectasias dependiendo de su evolución, estadio y grado de progresión.

La mesa de discusión abordará la utilidad de las novedades y las indicaciones y resultados reales de las mismas.

Lente escleral  
*Sandra Villegas*

Anillos intraestromales 360 grados  
*Narly Ruíz*

Iontoforesis  
*Everardo Hernández*

Mesa de Discusión  
Panelistas: *Concepción Santacruz, Jorge Valdés, Francisco Beltrán, Juan Carlos Ochoa, Ramón Naranjo*

**IS-SU-120/ 16:00 - 17:30/ Salón Tequila**

## (Euretina European Society of Retina Specialists) Up To Date on Diagnosis and Treatment of Retinal Diseases

Chair(s): *Francesco Bandello, Gisbert Richard, Ursula Schmidt*

Myopic CNV: Anti VEGF Therapy  
*Francesco Bandello*

Retinal Artery Occlusion: Surgical Management  
*José García*

Advanced Retinal Imaging  
*Ursula Schmidt*

Combined Sutureless Phacovitrectomy for Macular  
*Gisbert Richard*

Early Detection of AMD  
*Anat Loewenstein*

Uveal Melanoma: Current Trends and Perspectives  
*Stefan Seregard*

Stem Cell Therapy in Retinal Diseases Future Perspectives  
*David Pelayes*

## IS-SU-133/ 16:00 - 17:30/ Guadalajara 8



### Update on Inherited Vitreo Retinopathies

Chair(s): *Carla Montaña*

Classification of Inherited Vitreo-Retinopathies  
*Carla Montaña*

Stickler Syndrome, Wagner Syndrome  
*Ximena Mira*

Marfan Syndrome  
*Camila Ventura*

Goldmann Favre Syndrome (Enhanced S-cone Syndrome)  
*J. Fernando Arévalo*

Familial Exudative Vitreoretinopathy  
*Itzel Espinosa*

Importance of Genetic Diagnosis and Genetic Counseling  
*Juan Zenteno*

Importance of Prevention  
*Violeta Robledo*

Surgical Experience in Complicated Retinal Detachment  
*Susana Martínez*

Surgical Management and New Perspectives in Management  
*J. Fernando Arévalo*

## IS-SU-225/ 16:00 - 17:30/ Salón de Eventos 3

### (Colombian Society of Ophthalmology and Peruvian Society of Ophthalmology) Management of Post Traumatic Endophthalmitis

Chair(s): *Carlos Restrepo, José Roca*

Description:  
Post-Traumatic endophthalmitis is a sight threatening condition. It's adequate management is of the outmost

importance to the trauma surgeon. In this session we will review risk factors, strategies for prevention and treatment options.

Is Preventing Traumatic Endophthalmitis Possible?  
*Hugo Ocampo*

Risk Factors for Traumatic Endophthalmitis  
*Carlos Caballero*

Post-traumatic Endophthalmitis in Severe Trauma  
*Juan Sánchez*

Posterior Vitrectomy in Post-Traumatic Endophthalmitis  
*José Roca*

Antibiotic Election in Post-Traumatic Endophthalmitis  
*Magali Buendía*

Management of Late Complications in Post-Traumatic Endophthalmitis  
*Guillermo Reategui*

## IS-SU-2285/ 16:00 - 17:30/ Salón Zapopan

### Intraocular Pressure (IOP) Measurement in 2016

Chair(s): *Kaweh Mansouri, Robert Ritch*

Description:  
In addition to a comparison of different tonometers, different methods to document diurnal IOP are also covered.

The Need for Better Tonometry Techniques  
*Kaweh Mansouri*

Pneumatometry in Clinical Practice  
*John Liu*

DCT (Pascal) Dynamic Contour Tonometry  
*Robert Stamper*

Self-Tonometry by Patients  
*Sybil Dorairaj*

Continuous Ambulatory IOP Measurement Using a Contact Lens Sensor  
*Ellen Shaoying Tan*



Continuous Ambulatory IOP Measurement Using a Sulcus-Based Transducer  
*Samir Melki*

IOP And Glaucoma Damage: Gaps in Our Knowledge  
*G. Chandra Sekhar*

**IS-SU-2936/ 16:00 - 17:30/ Alcalde**

**Interactive Session** 

**ICO Guidelines to Manage Open and Closed Angle Glaucomas**

Chair(s): *Neeru Gupta, Hugh Taylor*

Introducing ICO Guidelines for Open and Closed Angle Glaucoma  
*Neeru Gupta*

Essential Tools and Clinical Tests to Diagnose Open Angle Glaucoma  
*Prin Rojanapongpun*

How to Recognize Uncontrolled Open Angle Glaucoma and the Need to Add Treatment  
*Ningli Wang*

Management Approach to Open Angle Glaucoma  
*Fabián Lerner*

Panel Discussion  
*Ivo Kocur, Serge Resnikoff*

Essential Tools and Clinical Tests to Diagnose Closed Angle Glaucoma  
*Nathan Congdon*

Management Approach for Angle Closure Glaucoma  
*Clement Tham*

**IS-SU-2956/ 16:00 - 17:30/ Salón de Eventos 9**

**ICO Quiz Elimination Round**

Chair(s): *Rashmin Gandhi, Santosh Honavar*

Description:  
Each team, representing the best of residents and fellows in ophthalmology, will compete in a series of rounds. Answering questions based on a picture,

video clip, or a sound clue, the teams will cover the entire spectrum of ophthalmology. The decisive "Rapid Fire" round will consist of 10 questions asked and answered by each team in three minutes. There will be an elimination round for all the teams. Top four teams will then advance to the Final Quiz.

Requirements:

- Each team of three must be comprised of residents and fellows in ophthalmology, who are currently in training
- Participants do not need to be society members.
- No fee is required to participate in the quiz.

How to enter:

- Individual Participants (Open Entry): Submit the entry form with the names of your team members and their contact information.
- ICO Member Societies: Submit the entry form with the name of your society, the names of your team members, and contact information for your team members.
- All entries should be e-mailed to: Santosh G Honavar at [santosh.honavar@gmail.com](mailto:santosh.honavar@gmail.com) as soon as possible, but no later than January 31, 2015.

**IS-SU-346/ 16:00 - 17:30/ Calzado I & II**

**Treatment Options for Myopia Control**

Chair(s): *Bruce Koffler*

Description:

A review of multiple areas of interest involving orthokeratology. These include introduction into different countries, myopia control, safety and efficacy. Ten year results will be discussed as well as, managing Ortho K. patients when they reach LASIK age.

Development of OrthoK into Brazil: How to Understand the Approval Process  
*Tania Schaefer*

LASIK Correction after CRT  
*Andriy Kovalov*

Safety of OrthoK; Oliver Dabeszies Lecture  
*Penny Asbell*

Atropine Treatment of Myopia  
*Andrzej Grzybowski*

CXL and Corneal Reshaping  
*Sami El Hage*

Complications of CRT and its Treatment: 10 years  
and 4,000 cases  
*Oksana Averyanova*

Ten Year Follow-up of OrthoK for Myopia Control in Japan  
*Takahiro Hiraoka*

## IS-SU-483/ 16:00 - 17:30/ Joya I & II

### Interactive Session

#### (AOI) How Do We Learn Best? How Do We Stay Up To Date with Rapidly Developing Technology?

Chair(s): *Richard Abbott*

Classic, Present, and Future Learning Patterns and Behavior for Ophthalmologists  
*Bruce Spivey*

Educating for an Acceptable Threshold for Inclusion of New Technologies in Medical Practice  
*Emilio Campos*

Advancement of Practitioner Competencies  
*Gullapalli Rao*

Using the ONE Network as an Online Tool to Learn New Technology and Stay Up To Date  
*Richard Abbott*

How to Learn Surgical Procedures with Practical Simulation and Information Technology  
*Tetsuro Oshika*

How We Are Teaching the New Corneal Surgical Procedures in Brasil and in Latin America  
*Ana Luisa Hofling*

Learning New Technology Using the Wetlab System at the Fyodorov Eye Microsurgery Complex  
*Boris Malyugin*

South Eastern Europe: Networking and CrossBorder Education  
*Petja Vassileva*

## IS-SU-534/ 16:00 - 17:30/ Salón Tlaquepaque

### Young Ophthalmologist Symposium

Chair(s): *Sandra Belalcázar, R.V. Paul Chan, Grace Sun*

#### Description:

This symposium is a collaboration between the Young Ophthalmologist Committees of the AAO, SOE, PAAO, and APAO. International mentors and young ophthalmologists will present on a variety of topics that focus on career development. From pursuing a faculty position in academic ophthalmology to private practice, you will have access to international leaders in the field.

From Ophthalmology to Residency Program Director: Pursuing a Career in Graduate Medical Education  
*Grace Sun*

Defining Your Unique Niche: Pearls for Career Leadership  
*Linda Tsai*

Pathway to Professor: Lessons Learned from Academic Ophthalmology  
*Audina Berrocal*

How to Succeed as a Clinician Scientist: From the Bench to the Bedside  
*Sushil Vasudevan*

Diversity in Surgical Training in Europe  
*Andrew Scott*

How to Look Professional as a Young Ophthalmologist  
*Carla Vitelli*

Professional Development for Young Ophthalmologists  
*Juan Carlos Gines*



## Invited Course

### IC-SU-424/ 8:30 - 10:00/ Calzado I & II (IMCLC) President's Innovation Panel

Chair(s): *Gudrun Bischoff, Albert Franceschetti*

#### Description:

Members of the Board of the International Medical Contact Lens Council (IMCLC) will present briefly four topics in Contactology. A general discussion with the public will follow.

Contact Lens in Children  
*Gudrun Bischoff*

Corneal Reshaping  
*Bruce Koffler*

Permanent Wear  
*Albert Franceschetti*

Innovations in Contactology  
*Shigeru Kinoshita*

### IC-SU-493/ 8:30 - 10:00/ Salón de Eventos 3

#### Collecting DNA in Eye Surveys

Chair(s): *Rupert Bourne, Jamie Craig*

#### Description:

Genetic studies aim to better understand genetic and environmental factors that contribute to eye development and to eye and vascular diseases that cause vision loss and blindness. There have been a large number of genetic studies on eye and non ocular diseases in the US and Europe. Findings from these studies have greatly advanced understanding of how and why diseases develop in these populations.

This has accelerated medical progress towards new diagnostic tests and treatments in recent years. Each human population, has its own unique set of genetic variants that influence susceptibility to disease and the effectiveness of specific treatments.

The majority of genetic studies done to date have focused on Caucasian and Asian populations. Population-based eye surveys offer the opportunity to both examine the types of eye diseases and the normal

variation of characteristics of the ocular system in individuals and associated environmental factors (phenotyping) and their burden, but also to collect DNA for the purposes of determining differences in the genetic make up (genotype) of these individuals. Population-based studies, in particular those that are nationally representative are logistically complex and expensive and they are infrequently performed, perhaps once every few decades if at all, and the opportunity to add a genetics component is an opportunity that should be considered.

Genetic studies offer the opportunity to promote skill development and knowledge transfer locally in this important field of medical research.

Knowledge of epidemiological data on genetic, environmental and behavioural risk factors for disease that is specific to the particular population that is being examined, allows one to better understand to what extent new developments arising from genetics research in this and other populations can be of benefit.

This session, chaired by Professor Jamie Craig, who has an international reputation in this field, brings together a panel of distinguished speakers who have experience with involvement of genetics in epidemiological studies. The objective of the session is to deliver readily understandable and practical advice on subjects that include the geographical areas of need for more understanding of the genetic basis of eye disease, the way in which sets of genetic data are brought together as consortia, and the ethical considerations of collecting DNA particularly in populations that may have not been sensitized to the concept of medical genetics, such as confidentiality, consent and public awareness. The session will also feature advice on how best to design your study to measure ophthalmological characteristics and associated risk factors such that the phenotypic dataset created is comparable to other population datasets in consortia and the consideration of non ocular variables measurements that may be easily obtained and which may have an important interrelation with the field of ocular disease.

An Overview of Which Surveys and Which Regions Have Collected DNA as Part of Their Study  
*Jamie Craig*

Ensuring that the Phenotypic Variables You Measure are Comprehensive  
*Pradeep Ramulu*

Ensuring Adequate Phenotyping for Nonocular Parameters in Eye Studies  
*Eleonora Staines*

Ethical Issues of Collecting DNA  
*Catherine McCarty*

The Sorsortia and Logistical Issues of Taking DNA  
*Kathryn Burdon*

## IC-SU-154/ 10:30 - 12:00/ Salón Tonalá

### Differential Diagnosis and Update on Melanocytic Tumors

Chair(s): *Tero Kivela*

Description:  
This course will empower the participants to recognize characteristics that differentiate probably benign from potentially malignant pigmented tumors of the uvea and conjunctiva by using up to date methodology.

Biopsy Techniques for Melanocytic Lesions  
*Armin Afshar*

Actualización de EDI-OCT Para Distinguir Tumores Pequeños  
*Amy Scheffler*

Clinical Features of Melanocytic Intraocular Tumors  
*Tero Kivela*

Multivariate Survival Prognostication in Choroidal Melanoma  
*Bertil Damato*

“ MOST ” for the Diagnosis of Choroidal Melanoma  
*Paul Finger*

## IC-SU-492/ 10:30 - 12:00/ Salón de Eventos 3

### Survey Design and Statistics Epidemiological Methodology Applied in Ocular Diseases

Chair(s): Rupert Bourne, Van Lansingh

Description:  
Worldwide, in 2010, 32 million people were estimated to be blind and 191 million to be moderately or severely visually impaired. Uncorrected refractive errors and cataract remain the leading causes of visual impairment, representing about 75% of the total of cases. Although the largest proportion of blindness is related to ageing, cataract is not a major cause of blindness in all regions. However, globally, it is still the leading cause, accounting for almost half of all cases, despite improved delivery of cataract surgical services in many parts of the world. Cataract is even more significant as a cause of low vision; it is the main responsible for low vision in developing countries.

A decrease in age-standardized prevalence of blindness and middle and severe visual impairment has been recognized over the past 20 years. Nevertheless, because of population growth and the increase in the number of elderly adults, the blind population has remained stable and the vision impaired population might have increased. Avoidable vision loss due to preventable or treatable causes can be defined as any vision loss due to cataract, uncorrected refractive error, trachoma, glaucoma, and diabetic retinopathy.

Most epidemiological studies have focused on specific population within a circumscribed region. To make comparisons across regions, it is important to consider the largest differences observed in the prevalence of vision impairment and its causes according to ethnic groups, regions, demographic parameters, social determinants, lifestyle, environmental exposure, among other factors.

On the other hand, the assessment of causes of vision impairment, its trends, and the effects of interventions is most accurate when repeated surveys are done within the same population, or when studies with national representation are carried out; however, these data are rarely collected. In their absence, estimates of patterns and trends in vision impairment derived from available data might be useful to set policy priorities and to improve global efforts aimed at monitoring and eliminating avoidable blindness and for use in priority setting and resource allocation.



Design Considerations  
Beatriz Muñoz

Statistical Issues of Enumeration, What Random Cluster Sampling Means  
Robert Casson

Rapids vs Comprehensive Studies  
Muhammad Rabi

Attributing Cause in Population-based Studies  
Alfred Sommer

Modelling Survey Results in a Regional/global Context  
Serge Resnikoff

Practical Considerations of Survey Design  
Juan Silva

**IC-SU-161/ 14:00 - 15:30/ Joya I & II**

**Interactive Session** 

**How to Develop a Successful Workshop**

Chair(s): *Helena Filipe, Eduardo Mayorga, Alexandre Taleb*

Description:

Rationale: Practice and group based learning are powerful formats for effective learning. Workshops as small group's educational events at which participants engage in discussion and activity on a specific subject or project fit that format. Workshops go beyond lectures, as they should provide room for social interaction and "hands on" exercises on the subject under study. This event will unfold according to the triade: explain-exercise-debrief.

Goal: Summarize the concept and the process to develop a workshop as a valuable learning experience.

Objectives:

By the end of this workshop you shall be able to:

1. Compare and contrast the rationale of the workshop to other learning delivery formats
2. Describe faculty roles
3. List the steps to undertake before, during and after a workshop

4. Explain 10 golden principles to run a successful workshop

5. Develop skills to set up and conduct an effective workshop  
Output: Your workshop design.

How to Develop a Successful Workshop  
*Helena Filipe, Eduardo Mayorga, Alexandre Taleb*

**IC-SU-2935/ 16:00 - 17:30/ Moda**

**(PAAO) Desafíos de la salud visual en Latinoamérica: ¿Dónde estamos y hacia dónde vamos?**

Moderadores: *Fernando Barria, Van Lansingh, Ellery López*

Descripción:

Expertos de varios países latinoamericanos discutirán en comentarios cortos las prioridades y posibles estrategias para ampliar cobertura, incrementar productividad y entrenar nuevas generaciones de oftalmólogos capaces de manejar la carga de trabajo debida al envejecimiento poblacional y los cambiantes parámetros de la epidemiología oftalmológica regional

Tasa de cirugía de glaucoma: debe mejorar, cirugía de incisión pequeña  
*Mariano Yee*

Cirugía bilateral simultánea, ¿Sí o no y por qué?  
*Van Lansingh*

¿Cómo desarrollar un programa de atención desde al nivel primario al terciario? y ¿Cómo trabajar con otros especialistas para "llegar" antes?  
*Francisco Martínez*

Educando al paciente y a los médicos para un mejor control  
*Laura Elizabeth Vargas*

Cirugía de alto volumen  
*Pedro Gómez*

ANTIVEGF vs. láser para ROP  
*Luis Porfirio Orozco, María Martínez*



Cómo utilizar la evidencia y la investigación para cambiar la práctica de centros de entrenamiento  
*Ellery López*

Utilidad de los simuladores de cirugía de catarata  
*Glenn Strauss*

Cirugía de incisión pequeña  
*Jaime Macías*

Baja visión: programa de educación para oftalmólogos en formación  
*Rosario Espinoza*

Educando en baja visión al paciente y al oftalmólogo ya formado  
*Lourdes Medina*

Educando en baja visión al paciente y al oftalmólogo ya formado  
*Vanessa Bosch*

¿Cuándo y cómo realizar láser por el oftalmólogo general?  
*Juan Verdaguer*

¿Cómo desarrollar un plan de negocios para hacer sustentable un programa social en prevención de ceguera en catarata o cualquier otra patología?  
*Rainald Duerksen*

¿Cómo desarrollar un plan de negocios para hacer sustentable un programa social en prevención de ceguera en catarata o cualquier otra patología?  
*Raheem Rahmathullah*

Desafíos futuros de la salud visual en latinoamérica  
*Juan Silva*

Sistemas computarizados y telemedicina: una opción ¿sí o no?  
*Joaquín Martínez*

¿Cómo abordar el error refractivo en niños? / epidemia de la retinopatía diabética en América Latina ¿Qué podemos hacer?  
*Fernando Barría*

Facoemulsificación de alta calidad y bajo costo  
*Carlos Arieta*

Tecnología apropiada para diferentes casos de catarata  
*Juan Batlle*

El reto e impacto de proporcionar lentes en un programa escolar  
*Jorge Machado*

Evaluación de la papila en la atención primaria de glaucoma  
*Óscar Albis*

¿Es la telemedicina realmente una opción en glaucoma?  
*Juan Rueda*

Sospechoso de glaucoma y factores de riesgo. Perspectiva de la epidemiología global.  
*Jesús Jiménez*

Programa rop 21 en argentina  
*Pablo Larrea*

¿Cómo afecta el "Affordable Care Act" ("Obamacare") a los programas de oftalmología?  
*Eduardo Alfonso*

¿Cómo aborda el gobierno federal mexicano los retos de la salud visual?  
*Francisco Navarro*

¿Cómo aborda el gobierno federal mexicano los retos de la salud visual?  
*Gabriel O'Shea*

Fortalezas en programas de retinopatía del prematuro (rop)  
*Luz Zepeda*

Rompiendo paradigmas, una perspectiva de desde la sociedad mexicana de oftalmología y el centro mexicano de salud visual  
*Jorge Valdéz*

¿Cómo aborda el sistema de salud de Chile los retos de salud visual?  
*Javier Corvolan*



## IC-SU-341/ 16:00 - 17:30/ Salón Tonalá

### (EVER) Neuro Oncology

Chair(s): *Laurence Desjardins, Graciela García, Aki Kawasaki*

#### Description:

This session discusses tumors and cancers that involve the central afferent visual pathway and/ or the ocular motor nerves. Clinical presentation, evaluation and management are addressed with emphasis on radiation effects to the retina and optic nerve.

Oculo-Cerebral Lymphoma  
*Nathalie Cassoux*

Ophthalmic Tumors Relevant in Pediatric Neuro ophthalmology  
*Laurence Desjardins*

Radiation Effects on the Optic Nerve and Retina  
*Leónidas Zografos*

Optic Nerve Sheath Meningioma  
*Karl Golnik*

Malignant Glioma of the Anterior Pathway  
*Aki Kawasaki*

Chiasmal Tumors  
*Graciela García*

### Case

## CA-SU-306/ 8:30 - 10:00/ Guadalajara 6

### Femtosecond Cataract Surgery: Where Does It Stand Today?

Chair(s): *Zoltan Nagy, Abhay Vasavada*

Femto Capsulotomy: Clinical and Laboratory Results  
*Kevin Miller*

Tips and Tricks for Beginners  
*Zoltan Nagy*

Femto Corneal Incisions: Current Evidence  
*William Culbertson*

Clinical Outcomes Following Femto Cataract Surgery  
*Hungwon Tchah*

Intraoperative Complications in Femto Cataract Surgery  
*Alan Crandall*

Femto Cataract Surgery for Posterior Polar Cataracts  
*Abhay Vasavada*

ESCRS Eureka Femtosecond Laser Study  
*Peter Barry*

French Prospective FLACS Study  
*Cedric Schweitzer*

## CA-SU-2964/ 10:30-12:00/ Guadalajara 6

### Pearls and Pitfalls for Selecting and Implanting Refractive IOLs

Chairs: *Virgilio Centurión, Kevin Miller*

Description: This session will cover common challenges in selecting refractive IOL patients, as well as managing surgical and postoperative complications and dissatisfied patients. The moderators will present case studies for discussion by two panels. Each panel will be on stage for 40 minutes. Moderators will present each case up to the point of decision making, then invite the panel to comment. They will wrap up by describing what was done and the outcome.

Case Presentations  
*Kevin Miller*

Panel 1: *Warren Hill, Matteo Piovella, Deepinder Dhaliwal, L. Felipe Vejarano, Jorge Alio*

Case Presentations  
*Virgilio Centurión*

Panel 2: *Richard Packard, Alan Crandall, J. Bradley Randleman, Eduardo Soriano, Terrence O'Brien*

## CA-SU-250/ 14:00 - 15:30/ Mueble I & II

### Interactive Session

#### Imaging in Glaucoma

Chair(s): *Christopher Leung, Joel Schuman*

##### Description:

Provides an overview on novel imaging technology in glaucoma

Imaging Optic Nerve Head Deformation in Glaucoma  
*Christopher Leung*

Clinical Applications of Measurements of Structure and Function in Glaucoma  
*Joel Schuman*

Imaging Endpoints in the UKGTS  
*David Garway*

Comparison of Structural and Circulatory Parameters in the Detection of Early Glaucoma  
*Natalia Kurysheva*

## CA-SU-2960/ 14:00 - 15:30/ Guadalajara 6

### Interactive Session

#### Video Case Studies: "You Make The Call"

Chair(s): *David Chang*

##### Description:

A series of video cases involving cataract surgical complications will be presented. The videos will be paused at specific points at which the audience will vote (with audience response pads) on management decisions. The options will then be discussed by an expert panel who, like the audience, has not seen the cases. Two different panels of international faculty will rotate halfway through the session.

Cases to be discussed:

- 1) Unhappy Multifocal IOL Patient
- 2) Mature white cataract
- 3) Recurrent microhyphema; sulcus PC IOL
- 4) Rock hard nucleus & fixed pupil (one-eyed patient)
- 5) Traumatic Cataract
- 6) Posterior polar cataract

Panel 1: *Susan MacDonald, Warren Hill, Cedric Schweitzer*

Panel 2: *Ayman Naseri, Jessica Ciralsky, Anthony Aldave*

## CA-SU-249/ 16:00 - 17:30/ Mueble I & II

### Anterior Segment Imaging

Chair(s): *Rudolf Guthoff, Leopold Schmetterer*

##### Description:

Gives an update on anterior segment imaging techniques.  
OCT Imaging of the Anterior Segment  
*Christopher Leung*

Ultrasound Imaging of Anterior Chamber  
*Tatiana Kiseleva*

Corneal Imaging: Topography of Tomography  
*Michael Belin*

Ultrahigh Resolution OCT Imaging of Cornea and Tear Film  
*Leopold Schmetterer*

In Vivo Confocal Microscopy of the Cornea  
*Rudolf Guthoff*

## CA-SU-276/ 16:00 - 17:30/ Guadalajara 9

### Interactive Session

#### (Guatemalan Ophthalmology Association and Venezuelan Society of Ophthalmology Surgical Dilemmas and Complications: Clinical Cases

Chair(s): *Óscar Beaujon, Jorge Hernández, Luis Silva*

##### Description:

Clinical cases will be presented as a platform to discuss a wide range of surgical complications and special situations in glaucoma surgery. Options in management and prevention will be the main goals in this interactive session.

Surgical Management of Glaucoma Associated to Melanocytoma  
*María Carmen Gil*



Aquesys Device and Special Situations  
*Francisco Millán*

Late-Onset Leaking Bleb  
*Tania Brandaris*

Epithelial Ingrowth  
*Jorge Hernández*

A Routine Case: The Calm Before the Storm  
*Roberto Dam*

Corneal Decompensation with Glaucoma Drainage Device  
*Óscar Beaujon*

Panelists: *Rosendo Castellanos, Jesús Salvatierra*

**CA-SU-2959/ 16:00 - 17:30/ Guadalajara 4** 

**Interactive Session** 

**Refractive Cataract/ IOL Surgery: My Top 5 Pearls**

Chair(s): *Matteo Piovella, David Chang*

Description:

Invited faculty each speak for 7 minutes on a practical topic relating to challenging refractive IOL situations. Each speaker will present their "Top 5 Pearls" for dealing with that situation. Instead of a traditional didactic talk, the speakers will present 5 key take-home points as concisely as possible. Panelists will then add their additional pearls. Each 7 minute talk is followed by 5 minutes of panel discussion and audience response polling.

Astigmatic Keratotomy  
*Buddy Culbertson*

Toric IOL challenge  
*Kevin Miller*

Multifocal IOL Patient Selection  
*Bruna Ventura*

Monofocal Monovision  
*Arturo Chayet*

Post-LASIK Patients  
*Warren Hill*

Postop Refractive Enhancement: Who, When, and How?  
*Sonia Yoo*

Managing Unhappy Multifocal IOL patients  
*Samuel Masket*

Panel: *Roberto Bellucci, Terry O'Brien, Sheraz Daya, Virgilio Centurión*

## Clinical Interest Group

**CIG-SU-296/ Guadalajara 9 & 10 from 8:30-10:00**

**Exfoliation Syndrome a Comprehensive Overview**

Chair(s): *Mineo Ozaki, Tiago Prata, Robert Ritch*

Description:

Many diseases of aging, including the neurodegenerative and conformational disorders, have abnormalities in hemodynamics and cellular dysfunction and senescence. The most important in the eye are macular degeneration, glaucoma and cataract. Gene environment interactions are also important, being influenced by nutrition, exercise, ultraviolet radiation, smoking, and other factors.

Traditional medicine, which has existed in every society throughout history, is being rediscovered as plant sources of new drugs are discovered in the rapidly disappearing rain forests, and which was most advanced in Chinese and Ayurvedic systems; they are potentially effective in benefiting diseases with components of hemodynamics and cellular function, mitochondrial dysfunction, oxidative damage, and inflammation.

Although no neuroprotective pharmaceutical agents have yet been proven to benefit eye diseases, many available natural compounds have actions which may do so. This symposium includes coverage of three highly important supplements: curcumin, Ginkgo biloba extract, and omega-3 fatty acids, in addition to current knowledge of the roles of diet, exercise, and acupuncture.

The possibility of improving vision through electric current stimulation will be addressed.

Case Presentation  
*Tiago Prata*

Genetics, Epidemiology and Natural History of XFS  
*Mineo Ozaki*

Ocular and Systemic Features of XFS  
*Robert Ritch*

Scientific Underpinnings of XFS: Biochemistry, Molecular and Cell Biology  
*Ursula Schlötzer*

Therapeutic Approaches to the Treatment of XFG  
*Michael Banitt*

Laser and Surgical Treatment of XFG  
*Joséph Panarelli*

Future Horizons and New Investigations  
*Audrey Bernstein*

Debate

**DE-SU-164/ 10:30 - 12:00/ Joya I & II**

**Interactive Session** 

## Bedside Teaching in Ophthalmology

Chair(s): *Rajvardhan Azad, Andreas Lauer, Muhammad Moin*

### Description:

This course uses a format of a moderated debate to discuss common approaches to clinical and surgical education of ophthalmologists in training. There will be three topics structured as statements of resolution and three corresponding contrary positions that will be debated. The resolutions are as follows:

1. All clinic and urgent patients must be worked up by the most junior resident first and then seen by each successive resident level of training before the patient is presented to the attending physician as this maximizes learning and teaching experiences before the attending physician sees the patient.

Contrary Position: The attending physician should first identify the pertinent issues with a patient and then bring the residents to the patient after the work-up to point out the pertinent and important educational points of the case.

2. Residents must master clinical ophthalmic knowledge and medical practice before setting foot in the operating room (OR) and operating.

Contrary Position: Residents should be in the OR from their 1st week in residency.

3. During their training, attending physicians must evaluate patients with the residents in person so that the attending may observe the residents examination, clinical judgment and interpersonal/ communication skills.

Contrary Position: During their training, attending physicians must be available near by and not necessarily evaluate patients with the resident so that the patient may identify the resident as their doctor for clinical and surgical decisions. Conversation between the supervising physician and resident may occur in the absence of the patient.

Following the debate of each resolution, the audience may voice their opinions. At the conclusion each of the speakers will voice their candid personal view on the topic.

Patient Work up  
*Juan Carlos Gines*

Clinical Involvement and Education  
*Richard Harper*

Operating Room Experience  
*Natalie Kerr*

Patient Work-up  
*Helena Filipe*

Operating Room Experience  
*J. Fernando Arévalo*

Residents' Clinical Involvement and Education  
*Andreas Lauer*



## DE-SU-289/ 10:30 - 12:00/ Mueble I & II

### MIGS and Minis

Chair(s): *Félix Gil, Paul Palmberg, Tetsuya Yamamoto*

Description:

Panel discussion at the end of all speakers' talks: "Are these devices practical now? Will they be in the future?"

XEN Gel Stent: Will it Replace Trabeculectomy?

*Joséph Panarelli*

Trabectome and Hydrus Surgery

*Marina Ramírez*

Cypass-Suprachoroidal Drainage

*Keith Barton*

Targeting Multiple iStents to Aqueous Veins to Maximize IOP Lowering

*Iqbal Ike Ahmed*

InnFocus MicroShunt: Will it Replace MMC Trabeculectomy?

*Paul Palmberg*

Miniaturizing Wireless Implants: For Research, for Monitoring

*Marlene Moster*

Are MIGS Cost-Effective?

*Eamon Sharkawi*

Gonioscopy Assisted Transluminal Trabeculectomy

*Davinder Grover*

### Instruction Course

#### INS-SU-26/ 8:30 – 9:15/ Guadalajara 1

### SMILE (Small Incision Lenticle Extraction cambios visuales y seguridad)

Instructor: *Óscar Fernández*

Descripción:

Se presenta la información de los trabajos obtenidos durante 2015 de cirugía refractiva SMILE en la Fundación Hospital Nuestra Señora de la Luz, así como la

experiencia de los presentadores y la evidencia en la literatura para cada tema.

Sensibilidad al Contraste en SMILE

*Óscar Fernández*

Cambios en Agudeza visual y Aberrometría en pacientes sometidos a SMILE

*Alejandro Babayán*

Nomograma para la selección de parámetros del lentículo en SMILE

*Óscar Fernández*

Cálculo del grosor estimado SMILE

*Cristina Pacheco*

Complicaciones de SMILE

*Óscar Baca*

#### INS-SU-27/ 9:15 – 10:30/ Guadalajara 1

### SMILE (Small Incision Lenticle Extraction)

Instructor: *Óscar Baca*

Morfología corneal con microscopía confocal posterior a SMILE

*Óscar Baca*

Inmunohistoquímica y marcadores inflamatorios en SMILE

*Elisa Alegría*

Análisis topográficos por Orbscan y Pentacam de SMILE

*Óscar Baca*

Ojo seco y factor de crecimiento nervioso (NGF) en lágrima después de SMILE

*Regina Velasco*

Precisión de grosor del lentículo en SMILE mediante OCT espectral, paquimetría ultrasónica y medidor de espesores

*Óscar Fernández*

## INS-SU-1117/ 8:30 - 10:00/ Salón de Eventos 4

### Facoemulsificación de catarata hipermadura

Instructores: *Fernando Aguilera, Virgilio Centurión, Luis Escaf*

#### Descripción:

El alumno conocerá las diferentes técnicas de facoemulsificación de cataratas hipermaduras

## INS-SU-1248/ 8:30 - 10:00/ Salón de Eventos 6

### Infectious Keratitis: Recent Developments in Diagnosis, and Management

Course Instructor(s): *Lalitha Prajna, Sujata Das, Prashant Garg, Vishal Jhanji, Savitri Sharma*

#### Description:

Infective keratitis is a major cause of blindness. It is usually caused by different spectrum of organisms. Most often the clinical presentations are characteristic which can help in empiric treatment.

But often times are atypical and so ophthalmologist must be familiar with the different types of presentations. This course will discuss the spectrum of infectious keratitis with emphasis on the clinical presentation, lab diagnosis and management of myriad causes of infectious keratitis. This course will also provide useful tips in establishing diagnosis and discuss new diagnostic modalities like confocal and molecular methods.

## INS-SU-1908/ 8:30 - 10:00/ Salón de Eventos 5

### Managing Glaucoma in Eyes after Emerging Corneal Procedures (Essential Steps to Maximize Visual Outcomes and Graft Preservation)

Course Instructor(s): *Thasarat Vajaranant, Ahmad Aref, Jacob Wilensky, María Cortina, José De La Cruz*

#### Description:

Glaucoma remains a major visual limiting factor in eyes after otherwise successful keratoplasty. This course will cover glaucoma management with an emphasis on surgical pearls to maximize

visual outcomes after endothelial keratoplasty, keratoprosthesis and limbal stem cell transplants. Emphasis will be placed on methods to allow for long-term corneal graft preservation. Surgical video, photographic case presentations, and data published by the course instructors will be employed.

## INS-SU-1925/ 8:30 - 10:00/ Salón de Eventos 2

### Multi-center Sponsored Clinical Trials: ICH Guidelines and Minimal Requirements for Investigators

Course Instructor(s): *Marco Cid, Ana Alcaraz, Arieh Mercado, Aldo Oregon, Adolfo Rodríguez*

#### Description:

Objective One: The course is intended to explain the ICH bases guidelines in the clinical drug development process, in multi-center clinical trials.

#### Objective Two:

Clinicians will understand, what do they need to have, in terms of facilities and human resources, to perform clinical trials at their medical units.

## INS-SU-958/ 8:30 - 10:00/ Salón de Eventos 7

### Abordaje multidisciplinario del paciente con diabetes para el oftalmólogo

Instructor: *David Rivera*

#### Descripción:

Adquirir el conocimiento del manejo multidisciplinario de un paciente con diabetes, que incluye al médico internista y a educadores en diabetes, psicología, psiquiatría, odontología, cuidados del pie, activación física y cuidados oftalmológicos. Este abordaje ha probado ser el que mejores resultados a largo plazo ofrece a los pacientes con esta afección.



**INS-SU-1496/ 10:30 - 12:00/ Salón de Eventos 4**

## Nightmares in Strabismus Surgery

Course Instructor(s): *Sonal Farzavandi, Claudia Elena Murillo, Scott Olitsky, Donny Suh*

### Description:

No surgeon can completely eliminate the possibility of encountering a complication. During this symposium, experienced strabismus surgeons will share their own personal stories of complications they have experienced along with how they handled them as well as tips to decrease the chances of having them happen in the first place.

**INS-SU-2799/ 10:30 - 12:00/ Salón de Eventos 7**

## The Boston Type I Keratoprosthesis: Case Based Presentations Highlighting the Essentials for Beginning and Experienced Surgeons

Course Instructor(s): *Anthony Aldave, Samar Basak, Sadeer Hannush*

### Description:

While traditionally considered a procedure of last resort, keratoprosthesis implantation is being performed with increasing frequency for an expanding variety of indications, including repeat corneal graft failure and corneal opacification combined with limbal stem cell failure.

The design, indications and contraindications, surgical technique and postoperative management of the Boston type I keratoprosthesis will be presented.

Attendees will learn to recognize patients in their practices who are good candidates for Boston type I keratoprosthesis implantation.

Presentation of surgical videos and a detailed discussion of the postoperative management will familiarize attendees with keratoprosthesis implantation as well as avoidance and management of postoperative complications.

**INS-SU-371/ 10:30 - 12:00/ Salón de Eventos 6**

## Tackling Posterior Capsule Rupture, IOL Implantation, and Associated Complications: A Video Based Course

Course Instructor(s): *Priya Narang, Arup Chakrabarti, Susan MacDonald, Kevin Miller, Marie-José Tassignon, Abhay Vasavada*

### Description:

At the conclusion of this course, the attendee will be able to effectively judge and handle a case of posterior capsular rupture (PCR) with adequate vitrectomy, will be able to retrieve a sinking nucleus or an IOL followed by its effective placement.

The course tends to focus on various aspects of complications following a PCR from the perspective of both an anterior segment and a posterior segment surgeon along with proper vitrectomy procedures. We tend to highlight through videos the various challenging scenarios met during cataract surgery followed by IOL implantation by various techniques. Pearls to diagnose cases with pre-existing PCR will also be showcased followed by its management with anterior and posterior optic capture. The course tends to be complete wrap up summary for all the ophthalmologists.

**INS-SU-450/ 10:30 - 12:00/ Salón de Eventos 8**

## Conquering Capsule Complications: A Video Primer

Course Instructor: *David Chang*

### Description:

Unlike other surgical complication courses, this curriculum covers the prevention and management of anterior and posterior capsule complications in a comprehensive, systematic, step-wise fashion. Video excerpts from over 50 cases are used to visually demonstrate each of the techniques and points outlined below.



**INS-SU-798/ 10:30 - 12:00/ Salón de Eventos 5**

## El ABC de OCT en neuro oftalmología

Instructores: *Marco Vinicio, Hebert Luis Hernández, Moisés López, Judith Peñaflo, Juliná Reyes, Manuel Sáenz de Viteri*

### Descripción:

Este curso resalta los puntos básicos de la Tomografía de Coherencia Óptica aplicada a la neuro oftalmología y a las afecciones neurodegenerativas extendiendo el panorama diagnóstico de este útil instrumento

**INS-SU-28/ 14:00 – 14:45/ Guadalajara 1**

## Progresión de queratocono, ¿realmente podemos detenerlo?

Instructores: *Javier Gaytán, Enrique Graue-Hernández, Guillermo Rocha*

### Descripción:

Exposición de los parámetros actuales internacionales de diagnóstico de progresión y estadificación del queratocono, para seleccionar la alternativa terapéutica mejor indicada para cada caso.

Se hablará de la experiencia quirúrgica con dos de las técnicas más utilizadas actualmente compartiendo tips quirúrgicos y discutiendo el correcto seguimiento post operatorio para la identificación de progresión post quirúrgica a largo plazo.

Guías para el diagnóstico de progresión  
*Enrique Graue-Hernández*

Crosslinking UVA (biofototerapia): técnicas comprobadas  
*Guillermo Rocha*

INTACS (anillos intracorneales): suficiente o necesidad de combinarlo.  
*Javier Gaytán*

**INS-SU-29/ 14:45 - 15:30/ Guadalajara 1**

## Rehabilitación visual en degeneración macular relacionada a la edad

Instructores: *Araceli Robles, Luciene Fernandes, Roxana Urdapilleta*

### Descripción:

La degeneración macular es una de las principales causas de deterioro visual en personas mayores de 50 años . En este curso se muestran técnicas especiales de exploración y de rehabilitación visual para encontrar y desviar la imagen de un área central lesionada de la macula hacia una retina sana. La finalidad es mejorar la calidad de vida de éstas personas y facilitarles las actividades de la vida diaria, especialmente la lectura escrita.

**INS-SU-2886/ 14:00 - 15:30Salón de Eventos 7**

## Management of Aphakia: A Comprehensive Review of Current Options

Course Instructor(s): *Andrzej Grzybowski, George Beiko, Boris Malyugin, Priya Narang, Marie-José Tassignon*

### Description:

Management of aphakia is still a challenge in the practice of ophthalmic surgeon. Since there is no single recommendation for all aphakia cases, only good understanding of different available techniques might help to manage well this difficult group of patients.

The course will provide a critical review of advantages and weaknesses of currently available aphakia management options, including practical information and some hints related to the use of different surgery techniques.

**INS-SU-594/ 14:00 - 15:30/ Salón de Eventos 2**

## Serious Eye Cancers Masquerading as Common Benign Conditions

Course Instructor(s): *Jerry Shields, Carol Shields*



## Description:

To discuss examples of astigmatism, strabismus, chalazion, blepharitis conjunctivitis, iritis, cataract, glaucoma and other conditions that eventually proved to be due to serious cancers. A delay in diagnosis often led to inappropriate treatment before the cancer was recognized. A high index of suspicion is important to not overlook the underlying cancer. The course is presented with active audience participation and will be entertaining, informative, and useful in clinical practice.

**INS-SU-724/ 14:00 - 15:30/ Salón de Eventos 4**

## SICS a Technique in every Cataract Surgeons Armament

Course Instructor(s): *Sunil Thangaraj, Andrew Braganza, Geoffrey Cohn, Aby Jacob*

## Description:

To elucidate in detail the surgical steps of SICS and to discuss troubleshooting areas at every step of the surgery and also corrective measures for the same.

**INS-SU-908/ 14:00 - 15:30/ Salón de Eventos 6**

## Calidad visual en cirugía de catarata

Instructores: *Claudia Palacio, Leticia Arroyo, Virgilio Centurión, Óscar Guerrero, Cristina Mendoza, Carolina Orea*

## Descripción:

Un panel de expertos favorecerá la interacción con la audiencia para la discusión de temas que permitirán: Resaltar la importancia de tecnologías y herramientas para lograr resultados visuales satisfactorios en la cirugía de catarata.

Incorporar estrategias en el diagnóstico y tratamiento en pacientes con cataratas para el uso y aplicación de las nuevas tecnologías.

Proponer soluciones en pacientes con insatisfacción visual posterior a una cirugía de catarata.

Analizar la evolución de los pacientes después de cirugía de catarata y prevenir las complicaciones asociadas a un mal resultado visual.

Tener un panorama de la biomecánica y biotecnología

de los lentes intraoculares y su repercusión en el resultado visual.

Incorporar en la evaluación de resultado visual los conceptos de aberración, disfoptia, error refractivo, profundidad de foco y estereopsis.

Conocer las fórmulas de nueva generación para el cálculo de lentes intraoculares en pacientes con cirugía refractiva previa y en ojos normales.

**INS-SU-30/ 16:00 – 16:45/ Guadalajara 1**

## Manejo de la visión baja en niños

Instructores: *Ana María Beauregard, Vanessa Bosch, Rosa Elena De la Torre*

## Descripción:

La visión es la fuente más importante de conocimiento y desarrollo en los primeros años de vida del infante.

Cualquier alteración en el globo ocular y en la vía visual puede afectar seriamente la visión y comprometer el desarrollo psicomotor del niño. En éste curso se muestran técnicas de exploración, métodos para la estimulación y prescripción de ayudas ópticas que favorecen la rehabilitación del niño con visión baja, con la finalidad de ayudarlo al buen desarrollo psicomotor, interacción social y aprendizaje.

Exploración visual del niño con visión baja  
*Vanessa Bosch*

Técnicas de estimulación visual  
*Ana María Beauregard*

Tratamiento con ayudas ópticas y no ópticas  
*Rosa Elena De la Torre*

**INS-SU-31/ 16:45 – 17:30/ Guadalajara 1**

## Ventajas y limitaciones de la técnica de iontoforesis para el entrecruzamiento del colágeno corneal utilizando riboflavina y luz UVA

Instructores: *José Cristobal Fernández, Rubén Reynoso, Manuel Garza*

Descripción: Se analiza la técnica de iontoforesis y su utilidad en el entrecruzamiento del colágeno corneal

empleando riboflavina y luz UVA.  
Se presentan resultados, limitaciones, complicaciones y futuras aplicaciones oftalmológicas.

## INS-SU-1170/ 16:00 - 17:30/ Salón de Eventos 6

### Applications, Nuances, Technicalities and Modifications in Glued Intrascleral Fixation of an Intraocular Lens: A Video Course

Course Instructor(s): *Priya Narang, George Beiko, Ritika Sachdev*

#### Description:

The objective of the course is to showcase the correct method of performing Glued intrascleral fixation of intraocular lens (Glued IOL) and highlight all the modifications that have helped this surgery to evolve over a period of time so that it can be easily applied in various tricky situations. The course will also highlight the nuances of the surgery that will help the attendees to overcome common problems encountered by surgeons when they are in the learning phase. At the end of the course, the attendees will have a clear concept of how to perform this surgery and its application in clinical practice.

## INS-SU-1873/ 16:00 - 17:30/ Salón de Eventos 7

### Advanced Macular Surgery: "Tell It Like It Is..."

Course Instructor(s): *Malhar Soni, Tamer Mahmoud, Virgilio Morales, Ehab El Rayes, Mauricio Maia*

#### Description:

This course will outline principles of macular surgery through case presentation, panel debate and interesting videos.

It will be discussed in "Tell it like it is..." language without statistical muddle.

Specific topics will include:

1. Imaging modalities (including Intra-op optical coherence tomography (OCT)) in evaluation of vitreomacular disorders.
2. Instrumentation (including 27G) for macular peel

3. Vital dyes and its safety considerations.
4. Principles of macular surgery and various techniques of Internal Limiting Membrane (ILM) peel.
5. Size of ILM peel zone and its impact on surgical success.
6. Managing complications during ILM peel specifically retinal touch, iatrogenic break, management of large / failed Macular hole.
7. Role of ILM peel in lamellar macular hole (LMH), epiretinal membrane (ERM), diabetic macular oedema, optic disc pit related maculopathy,
8. Controversies in management of 'vitreomacular interface disorders' like, need of 'face down' posture following macular hole surgery, need of surgical management for all LMH, need of gas tamponade in LMH, role of ILM peel in ERM, role of combined phaco-vitreotomy, role of studies performed in 'Non-SD-OCT era.'

## INS-SU-2114/ 16:00 - 17:30/ Salón de Eventos 5

### Evidence based Treatment of Infectious Keratitis

Course Instructor(s): *Alejandro Lichtinger, Dennis Cortés, Arturo Grau, Alfonso Iovieno, Elmer Tu, Sonia Yeung*

#### Description:

To provide the ophthalmologist with evidence based guidance for the diagnosis and management of infectious keratitis.

## INS-SU-2749/ 16:00 - 17:30/ Salón de Eventos 4

### Trabes y tubos en glaucoma: cómo, cuándo y por qué

Instructores: *Mauricio Turati, Lulú Ululani Gurría, Jasbeth Ledesma*

#### Descripción:

Los asistentes podrán identificar claramente las indicaciones, técnica quirúrgica y manejo postoperatorio y reconocer las complicaciones más frecuentes durante y después de las cirugías de glaucoma más utilizadas, que incluyen trabeculectomía,



implantación de dispositivos de filtración y colocación de implante Express

**INS-SU-643/ 16:00 - 17:30/ Salón de Eventos 2**

## Management of Pterygia Using Chemical and Physical Barriers

Course Instructor(s): *Susan Senft, Dalel Tartak, María Tartak*

### Description:

Pterygia have posed challenges in the past due to recurrences and aggressive fibrovascular tissue, occasionally resulting in diplopia and restriction of motility. The course will expose the attendee to novel techniques of functional and cosmetic repair of ocular surfaces using chemical and physical barriers to prevent such complications.

**INS-SU-9998/ 16:00 - 17:30/ Salón de Eventos 1**

## International Course on Dealing with Data and Retinal Diseases

How to Use Big Data in Ophthalmology for Everyday Use, Research, Education and administration  
*Karsten Kortüm, Christoph Kern, Simon Leicht*

Distinctive Patterns of Ganglion Cell Loss and Retinal Nerve Fiber Abnormalities in Optic Neuropathies  
*Thomas Hedges, Carlos Mendoza-Santiesteban*

Intravitreal Injection Technique: Controversy Simplified  
*Ashish Sharma, Baruch Kuppermann, Kim Ramasamy*

23, 25 and 27 Gauge Diabetic Vitrectomy Surgery  
*Ahmed Sallam, Mostafa Elgohary, Hussain Khaqan*

## Free Papers

**FP-SU-2962/ 8:30 - 10:00/ Salón Tlaquepaque**

## Late-Breaking News

### Description:

The Late-Breaking News session details are available on the WOC Event App to include the abstract titles, presenters and co-authors.

**FP-SU-7017/ 8:30 - 10:00/ Salón de Eventos 9**

## Neovascular AMD Treatment

Chair(s): *Anat Loewenstein, Usha Chakravarthy, Tomohiro Iida*

Understanding Geographic Atrophy Disease Progression Through Visual Function Endpoints: The Lampalizumab Clinical Trial Program  
*Arshad Khanani, Quan D. Nguyen, Erin C. Henry, Georgia Li, Christopher Brittain*

Ranibizumab in Real Life: Long Term Results of 144 Patients Treated for Age-related Macular Degeneration (Elouan Study)  
*Frederic Queguiner*

Long-term Real-World Outcomes of Intravitreal Ranibizumab for Neovascular Age-related Macular Degeneration in a Well defined Region of the United Kingdom  
*Ahmed Sallam, Robert Johnston*

Improving of Treatment of Non-exudative Age-related Macular Degeneration  
*Azamat Yusupov*

Results from the Phase I Study: Safety and Tolerability of Subretinal RetinoStat<sup>®</sup> for the Treatment of Wet Age-related Macular Degeneration (AMD)  
*Andreas Lauer, Peter Campochiaro, Simon Chandler, Scott Ellis, Richard Harrop, Michelle Kelleher, Kyriacos Mitrophanous, Elliott Sohn, J Timothy Stout*

Development of Atrophy in Neovascular AMD Treated with Ranibizumab in the HARBOR Study  
*Scott Oliver, Beiyang Ding, J. Hopkins, Lisa Tuomi*

Two-Year Outcomes of Aflibercept Therapy for Neovascular Age-related Macular Degeneration in Japan  
*Tomohiro Iida, Hisaya Arakawa, Kanako Itagaki, Hideki Koizumi, Ichiro Maruko, Masashi Ogasawara, Annabelle Okada, Tetsuju Sekiryu, Akiko Yamamoto*

Correlation Between Pigment Epithelial Detachment Resolution and Development of Macular Atrophy Following Ranibizumab Treatment in Patients with Neovascular Age-related Macular Degeneration: A Subanalysis of the HARBOR Study  
*Arshad Khanani, Lauren Hill, Lisa Tuomi*

What Does Visual Acuity Impairment Under Low Luminance Conditions at Baseline Tell Us About Response to Anti-VEGF Monotherapy in Patients With Neovascular Age-Related Macular Degeneration?  
*Mitchell Goff, Howard Shapiro, Ivaylo Stoilov*

Interim Outcomes from RE-VIEW: A Phase 4 Study of Intravitreal Aflibercept Injection in Patients with Neovascular Age-Related Macular Degeneration  
*Lloyd Clark, David Boyer, Michael Singer*

Serum Vascular Endothelial Growth Factor and Safety in the Inhibition of VEGF in Age related Choroidal Neovascularisation (Iván) Trial  
*Usha Chakravarthy, Barnaby Reeves, Chris Rogers, Lauren Scott*

**FP-SU-7019/ 8:30 - 10:00/ Minerva I & II**

## New IOLs and New Surgical Techniques

Chair(s): *Boris Malyugin, Mauricio Rodríguez*

Initial Clinical Experience with a New Laser Approach for Precise Capsulotomies  
*Richard Packard, Pavel Stodulka*

Instantaneous, Precise, Automated Capsulotomy Using a Novel Disposable Intraocular Nanopulse Technology: The Zepto Capsulotomy Device  
*David Chang, Vance Thompson*

Clinical Experiences With a New Extended Depth of Focus Intraocular Lens  
*Florian Kretz, Detlev Breyer, Matthias Gerl, Ralf Gerl, Hakan Kaymak, Matthias Mueller*

Evaluation of Visual Acuity and Reading Performance with AT LISA tri 839MP Intraocular Lenses  
*Rita Mencucci, Jessica Caprara, Eleonora Favuzza*

Precisight™ Multicomponent IOL: Initial Clinical Experience  
*Francisco Sánchez*

Pearls and Pitfalls of the Bag-in-the-Lens Technique: Overcoming the Difficulties  
*Sydney Sebilane*

Risk Factors Affecting Successful Femtosecond Laser Assisted Surgery in Patients with Cataract  
*Heon Yang, Sang Youp Han, Kyung Heon Lee*

Visual Outcomes and Toric IOL Centration with a New Intraoperative Digital Marking System  
*Mauricio Rodríguez, María Henríquez, Luis Izquierdo*

Prospective Study to Evaluate the Visual Performance of a Small Aperture Intraocular Lens Implanted During Cataract Surgery  
*Robert Ang*

Pupil Issues in FLACS  
*Boris Malyugin*

**FP-SU-7031/ 8:30 - 10:00/ Salón de Eventos 8**

## The Posterior Cornea

Chair(s): *Frik Potgieter, Valeria Oliva, Luis Izquierdo*

Clinical Outcome of 500 Consecutive Cases Undergoing Descemet Membrane Endothelial Keratoplasty  
*Martín Dirisamer, Lamis Baydoun, Nadine Gerber-Hollbach, Gerrit Melles*

Hemi-Descemet Membrane Endothelial Keratoplasty (hemi-DMEK) for treatment of Fuchs Endothelial Dystrophy  
*Nadine Gerber, Lamis Baydoun, Gerrit Melles*

Endothelial Survival After Descemet Membrane Endothelial Keratoplasty: Effect of Surgical Indication  
*Lamis Baydoun, Nadine Gerber, Gerrit Melles*

Endothelial Cell Count in Patients with Graft Detachment that Required Additional Air Injection After Descemet Stripping Endothelial Keratoplasty (DSEK)  
*Nicolás Fernández, Jesica Bekerman*



Case Reports of Intra-Ocular Lens Opacification Secondary to Intracameral SF6 Gas in the Treatment of Endothelial Graft Dehiscence

*Frik Potgieter*

Descemet Membrane Endothelial Keratoplasty (DMEK) and Simultaneous Lens Plane Reconstruction in the Same Session

*Martín Dirisamer, Siegfried Priglinger*

Changing the Apparent Colour of the Eye with Elective Keratopigmentation

*Felipe Soria, Jorge Alio, Mohamed El Bahrawy, Alejandra Rodríguez*

Modulation of Intrastromal Ring Position According to Postoperative Outcome: A New Technique

*Luis Izquierdo, María Henríquez, Giovanna Henríquez, Alejandra Orozco, Ana Rodríguez*

Toric Multifocal Intraocular Lens: 12 Months FollowUp

*Valeria Oliva, Enrique Graue-Hernández, Jaime Larrea, Alejandro Lichtinger, Alejandro Navas, Arturo Ramírez*

Collagen Copolymer Posterior Chamber Phakic Intraocular Lens for Keratoplasty Refractive Correction.

*Dagoberto Almánzar, José F. Alfonso, Luis Fernández, Carlos Lisa, Miguel Naveiras*

Update on Repeat Descemet Membrane Endothelial Keratoplasty (re-DMEK) After Complicated Primary DMEK

*Nadine Gerber, Lamis Baydoun, Gerrit Melles*

**FP-SU-7013/ 10:30 - 12:00/ Salón de Eventos 9**

## Imaging and Interdisciplinary

Chair(s): *Vinod Kumar, Pamela Sieving, David Chow*

Characterisation of VEGF-A Status in Blood Samples of Adults and Pre-term Infants

*Birgit Lorenz, Claudia López, Knut Stieger*

Retinal OCT Can Measure Spherical posterior Eye Shape Comparable to MRI

*Anthony Kuo, Carol Cheung, Sina Farsiu, Mohammad Kamran Ikram, Joséph Izatt, Ryan McNabb, Seang Mei Saw, Tien Wong, Terri Young*

OCT Angiography in everyday practice

*David Chow*

High quality slit lamp photography by smart phone: Simple methods for fitting the high quality smart phone to the slit lamp

*Mihály Végh*

Ultra Wide Field (UWF) imaging of Familial Exudative Vitreoretinopathy (FEVR)

*Vinod Kumar, Parijat Chandra, Atul Kumar*

Ultrasound Biomicroscopy in Plateau Iris syndrome: do we know it all?

*Inés Leal, Luís Abegão Pinto, Helena Filipe, Carlos Marqués, David Sousa*

Smart phone based applications for early stage detection of retinoblastoma review of methodology

*Amit Khedekar, Bharanidharan Devarajan, Namrata Gaikwad, Rajkumar K S, Usha Kim, Veerappan Muthukkaruppan, Anand Rajendran, Kim Ramasamy, Jatinder Singh, Sowjanya Yarra*

Ciliary body imaging by transpalpebral near-infrared transillumination

*Oleg Zadorozhnyy, Andrii Korol, Taras Kustryn, Alla Nevskaya, Nataliya Pasyechnikova*

Smartphone Based Fundus Camera Device "MII Ret Cam" and Technique with Ability to Image Peripheral Retina

*Ashish Sharma, Francesco Bandello, K Guruvayoorappan, Soujanya Krishna, Baruch Kuppermann, K Ramachandran, Saranya Subramaniam, Selva Sundaramoorthy*

Global Impact of NEI Funding: Creating Future Worldwide Research Directions

*Pamela Sieving, Gyan Prakash*

Severe Complications after Cosmetic Iris Implantation

*Jasbeth Ledesma, Alexandra Abdala, Enrique Graue-Hernández, Gerardo Ledesma, Alejandro Navas, Arturo Ramírez*

**FP-SU-7026/ 10:30 - 12:00/ Minerva I & II**

## Prevention and Treatment of Potentially Blinding Pediatric Diseases

Chair(s): *Xiaoxin Li, Alejandra de Alba*

ROP Rampant in Asia-Magnitude and Challenge  
*Abu Raihan, A S M Awal*

Monitored oxygen levels dramatically reduces the risk for retinopathy of prematurity in a Mexican population  
*Pia Lundgren, Andrea Barragán, Larissa Gómez, José Gutiérrez, Anna-Lena Hård, Ann Hellström, Chatarina Löfqvist, José Orozco, Juan Razo, Luz Zepeda*

BOOST-II UK: Outcome at 2 years  
*Alistair Fielder*

Postnatal Serum Insulin Like Growth Factor I and Retinopathy of Prematurity in Latin American Infants  
*Alejandra de Alba, Gil Binenbaum, Judith Espinoza, María Marta Galán, Vanina Schbib, James Shaffer, Gui Shuang Ying, Luz Zepeda*

New Zealand laser treatment for retinopathy of prematurity in the era of ETROP: A ten year outcome review  
*Jessica Trollip, Shuan Dai*

Structural outcome of posterior to ridge laser treatment for severe stage 3 retinopathy of prematurity  
*Narendran Venkatapathy*

Retinopathy of Prematurity: An Evaluation in Hunan Province of Central-South of China over a 8-year Period  
*Ping Wang*

Diagnosis and treatment of Coat's disease in younger children  
*Pavel Volodin, Irina Iablokova*

Studying the two F's in bilateral congenital cataract-Frequency of nystagmus and Fixation pattern  
*Neha Midha, Tushar Agarwal, Sudarshan Khokhar, Arun Patidar*

An Appraisal of Visual Outcome Following Paediatric Cataract Surgery at a Child Eye Health Tertiary Facility (CEHTF) in Southwest Nigeria  
*Bolutife Olusanya, Aderonke Baiyeroju*

Outcomes of paediatric scleral fixated posterior chamber intraocular lens implantation in a tertiary eye care centre in India  
*Parveen Sen, Pramod Bhende, Vinay Kumar S*

**FP-SU-7011/ 14:00 - 15:30/ Minerva I & II**

## Glaucoma

Chair(s): *Sandra Dixon, Manuel de Alba, Juan Carlos Izquierdo*

Glaucoma juvenil de ángulo abierto. Caracterización clínica y genética en pacientes mexicanos.  
*Janet Galicia, Beatriz Buentello, Karla Dueñas, Curt Hartleben, Juan Zenteno*

The Socioeconomic Impact of Primary Open-Angle Glaucoma in Mexico.  
*Arturo Martínez, Ana Díaz, Luis Flores, José Eduardo García, Jesús González, Carlos Romo, Pablo Villarreal, Rogelio Villarreal*

Impacto del glaucoma terminal sobre los parámetros de función visual y calidad de vida.  
*José Paczka, Luz Giorgi, Juan Rueda*

Efficacy of Ologen Implant in Trabeculectomy Surgery: 1 Year Results  
*Juan Carlos Izquierdo, Bárbara Rubio, Lukas Saldarriaga*

Diferencias inter e intra observador en la relación copa disco visto por imágenes estereoscópicas vs bidimensionales  
*Cinthya Nañez, Alfonso García, José Francisco Ortega*

Haciendo de la trabeculectomía una técnica más segura. Suturas liberables.  
*Carolina Pallás*

Estudio retrospectivo, comparativo entre endociclotocoagulación y válvula de Baelverdt en el tratamiento del glaucoma refractario  
*Lukas Saldarriaga, Rocío Araujo, Juan Carlos Izquierdo, Leslie Rodríguez*

Endocyclophotocoagulation in Refractory Glaucoma  
*Lukas Saldarriaga, Rocío Araujo, Juan Carlos Izquierdo*

Grosor de capa de células ganglionares en pacientes mestizos mexicanos medido por tomografía de coherencia óptica de dominio espectral  
*Mariana Escalante, Jesús Jiménez-Arroyo, Jesús Jiménez-Román, Mauricio Turati*



OCT measurements in adult hydrocephalus  
*Valeria Zapata, Carlos Azuara, Humberto Cavazos, Jaime Dávila, Manuel de Alba, Vicente Garza, Jesús González, Josué Lozano, Alejandro Martínez, Ángel Martínez, Jesús Mohamed Hamsho, Juan José Toledo, Hugo Treviño*

**FP-SU-7022/ 14:00 - 15:30/ Salón de Eventos 8**

## Outcomes and Complications of IOLs

Chair(s): *Neha Saxena, Sang Woo, Park Fernando Aguilera*

Correlation between 2.8mm Phaco wound architecture on ASOCT and Surgically Induced Astigmatism and defining causes for excessive wound healing/ fibrosis  
*Neha Deshpande, Sulabha Deshpande*

Effects of IOLs on Chromatic Aberration of Human Eye Model with different Refractive Status  
*Hui Song*

Evaluation of in vitro glistening formation in different hydrophobic acrylic intraocular lenses  
*Ramin Khoramnia, Tanja Rabsilber, Tamer Tandogan*

Results of endophthalmitis prevention using Moxifloxacin + Dexametazone in Phacoemulsification  
*Fernando Aguilera*

Three Years Clinical Results and Quality of Vision After Implantation of a Preloaded Trifocal IOL  
*Matteo Piovela, Barbara Kusa*

Anterior Chamber Depth Variation with Different types of IOLs following Phaco Surgery  
*Ashokkumar Shroff*

Factors affecting unstable refractive outcome after cataract surgery in patients with glaucoma  
*Sang Woo Park, Mi Sun Sung*

Postoperative Outcome of Capsular Tension Ring Implantation In Eyes With Pseudoexfoliation  
*Yan Ning Neo*

Comparison of macular changes due to Femtosecond assisted cataract surgery and Conventional Phacoemulsification  
*Sanjana Bejan Singh, Rooshitha Bejan Singh, Bejan Singh Samuel Moses*

Comparison of negative dysphotopsia in patients undergoing phacoemulsification with foldable plate haptic (four) and loop haptic design intraocular lens implantation  
*Neha Saxena, Sri Ganesh*

Changes in distance and near visual acuity, anterior chamber depth and refractive status after YAG capsulotomy in patients with multifocal IOLs  
*Cem Kucukerdonmez, Esat Cinar, Mehmet Zengin*

**FP-SU-7034/ 14:00 - 15:30/ Salón de Eventos 9**

## Uveitis and Retina: Epidemiology and Diagnosis

Chair(s): *Stephanie Voorduin, María Jaramillo, Carlos Caballero*

QuantIFERON-TB Gold en el Diagnóstico de inflamación ocular secundaria a infección probable por Mycobacterium Tuberculosis  
*Roberto Dalli, Miguel Pedroza-Seres*

Determinación de Fas Ligando en lágrima y suero de pacientes con uveítis asociada con HLA-B27  
*Elizabeth Baqués, José de la O, Milton Maldonado, Atzin Robles, María Teresa Valdez, Stephanie Voorduin*

Determinación de IL-17 en lágrima y suero de pacientes con uveítis asociada con HLA-B27.  
*Stephanie Voorduin, José de la O, Miriam Gómez, Milton Maldonado, Francisco Martínez, Atzin Robles, María Teresa Valdéz*

Citocinas anti-inflamatorias en silicón intravítreo de pacientes con desprendimiento de retina traccional  
*Beatriz Jatziri Pérez, José De la O, Alberto Gil, Carla Montaña, Atzin Robles, Araceli Rojas*

Endoftalmitis endógena asociada a absceso hepático por Klebsiella pneumoniae, descripción de 3 casos  
*María Jaramillo, Miguel Cuevas, James Jaramillo*

Deficiencia de vitamina D en pacientes con enfermedad de Vogt-Koyanagi-Harada: Un Informe preliminar  
*Catalina Rosario, Teresa González, Atzin Robles, Stephanie Voorduin*



Clinical and Epidemiologic characteristics of Fuchs Heterochromic Iridocyclitis in Hispanic population at Instituto de Oftalmología Fundación Conde de Valenciana I.A.P. in Mexico City

*Ethel Guinto Arcos, Miguel Pedroza, Janet Silva*

Ocular complications of pediatric uveitis at a reference center in Mexico City

*Olegario Castro, Miguel Pedroza*

Puntos hiperreflécticos en la tomografía de coherencia óptica y su comportamiento en el edema macular diabético posterior a la aplicación de anti VEGF

*Fernando Rufino, Juan Abel Ramírez, Carla Montaña*

Implante intravítreo de dexametasona para el manejo de edema macular secundario a cirugía de Mer

*Carlos Caballero, María Izquierdo*

Efecto anatómico y funcional a largo plazo de 3 dosis de Avastin para el tratamiento del edema macular persistente posterior a peeling de membrana epimacular idiopática.

*José Rosales*

**FP-SU-7003/ 16:00 - 17:30/ Salón de Eventos 8**

## Cataract Surgery in Difficult Cases

Chair(s): *César Portilla, Michael Struck*

Particular Features of Phacoemulsification and Intraocular Lens Implantation in children with Congénital Cataract

*Shamyrat Amansahedov, Guljema Chariyeva, Maya Yagmurova*

Surgical Management of Non-Traumatic Pediatric Ectopia Lentis: small series and review of the literature

*Mohamed Diab*

Intraocular lens calculation after myopic laser refractive surgery: Comparison between Haigis L, Borasio BMR, and Double K method.

*Marinka Kargacin, Rafael Barraquer*

Femtolaser assisted ultrasound phacoemulsification of complicated cataract with a narrow pupil

*Yulay Burkhanov, Mukharram Bikbov, Emin Usubov*

Surgical Outcomes of Mexican Patients with Fuch's Heterochromic Iridocyclitis Related Cataract

*César Portilla, Pablo Guzmán, Humberto Matiz*

Maximizing the visual outcome in traumatic cataract cases: the value of a primary posterior capsulotomy and anterior vitrectomy

*Mehul Shah, Krunal Patel, Shreya Shah*

Indications and outcomes for sclera tunnel fixed secondary intraocular lenses: single centre series.

*Fatemeh Shams, Zachariah Koshy*

Trans Scleral Sutured Intraocular Lens Implantation in Pediatric Marfan Syndrome

*Michael Struck*

Outcomes of Combined Phacoemulsification with Pterygium Excision

*Jeewan Titiyal, Manpreet Kaur, Rajesh Sinha*

International Council of Ophthalmology; Ophthalmology Surgical Competency Assessment Rubrics: Simulator

*Krisztina Emeriewen, Jesica Bekerman, Karl Golnik, Ana Palis*

24 Month Dynamic Range of Visual Outcomes After Laser Anterior Ciliary Excision (LaserACE) Procedure

*Ann Marie Hipsley*

**FP-SU-7009/ 16:00 - 17:30/ Minerva I & II**

## Diabetic Retinopathy

Chair(s): *Thomas Ciulla, Anand Rajendran, Paul Mitchell, Jean-Francois Korobelnik*

Long-Term Improvements in Vision and Diabetic Retinopathy Achieved and Maintained With PRN Ranibizumab Therapy During the RIDE/RISE Open-Label Extension (OLE)

*Thomas Ciulla, Ivaylo Stoilov, Pin-wen Wang*

Intravitreal Aflibercept for Diabetic Macular Edema: Long Term Outcomes from the VIVID-DME and VISTA-DME Studies

*Jean-Francois Korobelnik, David Brown, Frank Holz, Hiroko Terasaki*



The Fate of 47: Diabetic Retinopathy (DR) Improvements with Ranibizumab in Patients With Moderately Severe to Severe Non Proliferative DR (NPDR)

*Charles Wykoff, Karen Basu, Anne Fung, Zdenka Haskova*

Is Pan-Retinal Photocoagulation for Diabetic Retinopathy One and Done?

*Victor González, Anne Fung, Shamika Gune, Pin-wen Wang*

Multifocal electroretinogram in Diabetic Retinopathy

*Satyen Deka*

Impact of Baseline Diabetic Retinopathy Severity Scale Score in VIVID-DME and VISTA-DME

*Jennifer Arnold, Nicolás Feltgen, Frank Holz, Todd Katz, Chengxing Lu, Giovanni Staurenghi*

A comparison between the efficacy of 577nm Yellow laser and 532nm Green Laser in the treatment of Diabetic Macular Edema

*Anand Rajendran*

Null genotype of Glutathione S-transferase-1 gene as a potential risk for developing Diabetic Retinopathy and Diabetic Macular Edema in a North Indian Population

*Sujit Deshmukh, Shri Kant, Shraddha Pandey*

Treating Diabetic Macular Edema: Evaluating the Impact of Intravitreal Aflibercept on Diabetic Retinopathy in the VIVID-DME and VISTA-DME Studies

*Paul Mitchell, Jean-Francois Korobelnik, Michael Larsen, Ian McAllister*

The Genotype Phenotype Correlation of ICAM1 K469E Gene Polymorphism and Severity of Retinopathy in Patients with Type 2 Diabetes Mellitus

*Sanjana Bejan Singh*

Prevalence and causes of visual impairment in diabetic patients in Tunisia

*Salim Ben Yahia, Nesrine Abroug, Sonia Attia, Bechir Jelliti, Rim Kahloun, Moncef Khairallah, Sonia Zaouali*



**Monday, February 8<sup>th</sup> 2015**



## Building a World Alliance For Sight

### ICO Teaching the Teachers: Improving Ophthalmic Education

- For more than 100 years, the ICO has led efforts to improve ophthalmic education in order to meet the growing need for eye care worldwide.
- The ICO “Teaches the Teachers” by developing and providing high-quality, adaptable educational programs and resources for anyone involved in ophthalmic education.
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- Search the WOC2016 Scientific Program for ICO’s World Ophthalmic Education Colloquium.



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## INVITED SYMPOSIUM

### IS-MO-111/ 8:30 - 10:00/ Guadalajara 2

#### (SOE) Pediatric Eye Trauma

Chair(s): *Jan Tjeerd De Faber*

##### Description:

This symposium will highlight several typical pediatric eye traumas and the treatment of these conditions. Blunt and sharp trauma to the globe. Trauma to the orbit and eyelids. Trauma to the EOM and the consequences to binocular vision and the threat of amblyopia in patients less than 7 years of age. Finally the 7 traumas of firework related eye injuries are demonstrated and the possibilities of treatment are shown.

Strabismus and Other Sequels after Trauma to the Child's Eye

*Andrea Molinari*

Trauma to the Child's Eye: Blunt Trauma and Eyelid Lacerations

*Daniel Weaver*

Strabismus after Trauma to the Orbital Wall

*Branislav Stankovic*

Firework Related Eye Injury

*Jan Tjeerd De Faber*

### IS-MO-129/ 8:30 - 10:00/ Salón Tequila

#### Current Possibilities for ROP Management (PanAmerican Society of ROP)

Chair(s): *João Fortes, Luis Porfirio Orozco*

Early Screening, When?

*Luz Gordillo*

Tools to Help During the Screening for ROP: WINROP, ROPScore, CHOPROP

*Chatarina Löfqvist*

Telemedicine to Help in the Screening for ROP

*Michael Chiang*

Fluorescein Angiography Utility

*María Martínez*

Laser Treatment

*Anna Ells*

Antiangiogenic Therapy with Anti VEGF Bevacizumab

*Helen Mintz*

Combined Therapy (Laser and Anti VEGF/Ranibizumab)

*Odalís Arambulo*

Concerns in Treating Preterm Babies with Anti VEGF

*Ann Hellström*

Surgical Decision and the Best Technique (Mesa Redonda)

*Andrés Kychenthal*

### IS-MO-147/ 8:30 - 10:00/ Moda

#### Implementation of the Global Eye Health Action Plan: Are We on Track?

Chair(s): *Ivo Kocur, Serge Resnikoff, Juan Silva*

##### Description:

This joint WHOICO session will review the current status and opportunities in developing and strengthening universal eye care coverage at national, regional and global level.

Progress Towards Universal Access to Eye Care in Africa

*Kovin Naidoo*

Harmonizing Global Ophthalmology

*Hugh Taylor*

Current Status of Eye Care in the World

*Ivo Kocur*

Achievements in Building Universal Eye Care Coverage in the Americas

*Juan Silva*



Challenges in Tackling Leading Causes of Visual Impairment  
*Serge Resnikoff*

## IS-MO-159/ 8:30 - 10:00/ Joya I & II

### Interactive Session

#### Training Teams to Meet the Public Needs of Eye Care

Chair(s): *Daniel Kiage, Eydie Miller, Babar Qureshi*

Description:  
Various aspects of the rationale and implementation of training teams and interprofessional education will be discussed.

Tips for Starting a Team Based Educational Program  
*Prashant Garg*

What to Consider When Teaching Professionalism and Communication Skills in Interprofessional Education  
*Susan Ksiazek*

The Goal of Training Teams and How It Would Improve Eye Care  
*Karl Golnik*

The Goal of Training Teams and How It Would Improve Eye Care  
*Lynn Anderson*

Interprofessional Education: What's the Evidence?  
*Ana Palis*

Team Training: Maximizing Efficiency and Human Resources  
*Eydie Miller*

Eyexcel: Expanding the Global Eye Care Workforce Through Training of Teams  
*Suzanne Gilbert*

## IS-MO-215/ 8:30 - 10:00/ Salón de Eventos 1

### (Chilean Society of Ophthalmology and Paraguayan Society of Ophthalmology) State of Public Health in Chile and Paraguay

Chair(s): *Fernando Barría, Pablo Ciblis*

Ocular Health in Paraguay: Evaluation of Second National Study  
*Pablo Ciblis*

Visual Health Indicators in Chile and its Evolution Over the Last 10 Years; Causes of Visual Impairment Among School children in Chile and Management Plan  
*Fernando Barría*

Increased Cataract Surgery as Part of a Health Law  
*Javier Corvolan*

High Volume Cataract Surgery as Strategy to Decrease Prevalence of Blindness  
*Juan Carlos Gines*

Strategies for Education, Screening and Management in Diabetic Retinopathy: How do I improve it?  
*Rodrigo Vidal*

Prevention of Blindness Due to Diabetic Retinopathy. Barriers and Estrategies to Uptake Eye Care Services  
*Miriam Cano*

Glaucoma Screening and Management at the Primary Level: Challenge  
*Gonzalo Vargas*

ROP Prevention of Blindness. 10 Years of Screening Program in Paraguay  
*Sara Pozzi*

Lobbying to Guide Public Health Policies  
*Verónica Azocar*

**IS-MO-2338/ 8:30 - 10:00/ Salón de Eventos 3**

## Clínicopathologic Correlation: Case Presentations

Chair(s): *Hans Grossniklaus, Abelardo Rodríguez*

Introduction  
*Hans Grossniklaus*

Case Presentations  
*Sander Dubovy, Abelardo Rodríguez, Sarah Coupland, Hind Alkatan, Sun Xuguang, Charles Eberhart, Steffen Heegaard*

**IS-MO-272/ 8:30 - 10:00/ Guadalajara 8**

## (PAAO) Innovations on Diagnosis and Imaging on Vitreoretinal Diseases Symposium

Chair(s): *J. Fernando Arévalo, R.V. Paul Chan, Lihteh Wu*

Innovative Images in Retinopathy of Prematurity Using the RetCam: Implications for Clinical and Surgical Practice  
*R.V. Paul Chan*

Is the Use of Dye Unnecessary for Fluorescein Angiogram Nowadays?  
*Caio Regatieri*

Is Indocyanine Green Angiography Still Useful in 2016?  
*Daniela Ferrara*

New Horizons in OCT Technology: What is New for Clinical Practice  
*André Romano*

New Trends in Spectral Domain OCT Multicolor Images  
*Roberto Gallego*

Intraoperative OCT: Changing Paradigms in Vitreoretinal Surgery  
*Audina Berrocal*

Adaptive Optics Applied to Vitreoretinal Diseases  
*J. Fernando Arévalo*

**IS-MO-7/ 8:30 – 10:00/ Guadalajara 7**

## Facotormentas: entre el cielo y el infierno

Coordinador: Lyle Newball  
Panelistas: Eduardo Viteri, Claudia Palacio, Juan Battle

Descripción:  
presentación de caso clínico y video en seis minutos, discusión en seis minutos con participación activa del público

Síndrome del bloqueo capsular post CiCaFe  
*Virgilio Centurión*

Catarata y sinquisis centelleante....¿y usted que haría?  
*Luis Escaf*

Catarata negra difícil  
*Arnaldo Espailat*

Faco hard shell  
*Jorge Jaramillo*

Faco en situación de baja visualización  
*Ernesto Otero*

Manejo de Artisan retropupilar luxado a cámara anterior en paciente postvitrectomizado  
*Lyle Newball*

Síndrome de Lyell y catarata  
*Eduardo Chávez*

**IS-MO-277/ 8:30 - 10:00/ Guadalajara 9**

## (APGS) Angle Closure and Angle Closure Glaucoma: All You Wanted to Know but Were Too Afraid to Ask

Chair(s): *Clement Tham, Tetsuya Yamamoto*

Identifying Angle Closure Mechanisms  
*Prin Rojanapongpun*

Evidence for Treatment of Mechanisms of PAC  
*Paul Chew*

Surgical Treatment  
*Clement Tham*



Laser Treatment  
*Manny Agulto*

ITC, the First Step to PAC?  
*Makoto Araie*

**IS-MO-2919/ 8:30 - 10:00/ Salón Tlaquepaque** 

**Interactive Session** 

## Cataract Surgery Olympics: WOC Mexico 2016

Chair(s): *David Chang, Abhay Vasavada*

### Description:

The 2016 Summer Olympic Games will be held in Rio de Janeiro. As a preview, the 2016 WOC Meeting will hold the Cataract Surgery Olympics, with teams representing each of four global regions Latin America, North America, Asia Pacific, and Europe/Middle East. Each Olympic surgeon will compete in this educational video program by presenting their best four minute case of managing a cataract complication or complicated case.

An international panel of judges (one representing each region) will determine the gold, silver, and bronze medal winners.

### North America

*George Beiko, Iqbal Ike Ahmed, Sonia Yoo, Samuel Masket*

### Latin America

*L. Felipe Vejarano, Eduardo Chávez, Eduardo Soriano, Luis Izquierdo*

### Europe/Middle East

*Boris Malyugin, Richard Packard, Jorge Alio, Yehia Amin*

### Asia Pacific

*Gerard Sutton, Mohan Rajan, Ramamurthy Dandapani, Tetsuro Oshika*

Judges: *Beatrice Cochener, Bruna Ventura, Susan MacDonald, Vishal Jhanji*

**IS-MO-2932/ 8:30 - 10:00/ Guadalajara 4** 

## Corneal Imaging for the General Ophthalmologist

Chair(s): *Michael Belin, Alberto Haber*

### Description:

This symposium will provide the general ophthalmologist with a review of the latest corneal imaging technologies available. With an emphasis on the best clinical applications for each imaging technology.

Basic Principles, Image Acquisition in Corneal Images  
*Alberto Haber*

Corneal Topography  
*Damien Gatinel*

Scheimpflug Corneal Imaging  
*Michael Belin*

Confocal Corneal Imaging  
*Dennis Cortés*

High Resolution OCT  
*Carol Karp*

Novel Imaging Technologies  
*Sayan Basu*

**IS-MO-2955/ 8:30 - 10:00/ Guadalajara 5**

**ICO Quiz** 

Chair(s): *Rashmin Gandhi, Santosh Honavar*

### Description:

Each team, representing the best of residents and fellows in ophthalmology, will compete in a series of rounds. Answering questions based on a picture, video clip, or a sound clue, the teams will cover the entire spectrum of ophthalmology.

The decisive "Rapid Fire" round will consist of 10 questions asked and answered by each team in three minutes. There will be an elimination round for all the teams. Top four teams will then advance to the Final Quiz.



## Requirements:

Each team of three must be comprised of residents and fellows in ophthalmology who are currently in training. Participants do not need to be society members.

No fee is required to participate in the quiz.

## How to enter:

Individual Participants (Open Entry): Submit the entry form with the names of your team members and their contact information.

ICO Member Societies: Submit the entry form with the name of your society, the names of your team members, and contact information for your team members.

All entries should be emailed to Santosh G Honavar at: [santosh.honavar@gmail.com](mailto:santosh.honavar@gmail.com) as soon as possible, but no later than January 31, 2015.

## IS-MO-345/ 8:30 - 10:00/ Calzado I & II

### Sclearal Lenses

Chair(s): *Paulo De Oliveira, Newton Kara José*

Slit Lamp Evaluation of Scleral Lens Fitting Practical Approach, Troubleshooting, Picture Taking  
*Halina Manczak*

Fitting Scleral Lenses in Special Cases  
*Tania Schaefer*

Scleral Lenses for Severe or Non Severe Dry Eye Syndrome  
*Serge Doan*

Scleral Lens as First Therapeutic Weapon in Severe Ocular Burn  
*Moatez Billah Mekki*

Scleral Lens to Rescue Refractive Corneal Surgery Failure  
*Said Yahiaoui*

Fitting Scleral Contact Lens in a Special Case of Christ-Siemens-Tourane Syndrome with Corneal Ectasia  
*Marcelo Sobrinho*

Newton Kara José Lecture: The Sampling Error of Specular Microscopy of the Cornea and the Role of Reability Indexes  
*Fernando Abib*

## IS-MO-502/ 8:30 - 10:00/ Salón Zapopan

### (Argentinian Society of Ophthalmology and Cuban Society of Ophthalmology) Helpful Clinical Tips for the Daily Practice of the Busy Practitioner

Chair(s): *Juan Hernández, Fabián Lerner*

Description:  
This symposium addresses six important topics of ophthalmology.

For each of these topics, tips for the general ophthalmologist with a busy practice are given.

Is My Patient with Glaucoma Progressing? Tips for the Busy Practitioner  
*Ibrain Piloto*

Anti VEGF Injections: Who Will Benefit From This Treatment and Who Will Not?  
*Meisy Ramos*

Management of Keratoconus in 2016: What You Should Know  
*Nicolás Fernández*

New Paradigms in the Treatment of Diabetic Retinopathy  
*Arturo Alezzandrini*

Options, Indications and Outcomes of Presbyopia Surgery  
*Alejandro Coussio*

Advances in the Management of Congénital Cataract  
*Teresita De Jesús Méndez*



## IS-MO-107/ 10:30 - 12:00/ Guadalajara 2

### (SOPLA) Pediatric Uveitis

Chair(s): *Alejandra De La Torre, Carmen Santos, Nasrin Tehrani*

#### Description:

In this symposium some important aspects in the diagnosis and treatment of different kind of uveitis in children, including infectious and noninfectious uveitis, will be presented.

Immunosuppressive Therapy in Pediatric Uveitis  
*Lisa Faia*

Pars Planitis  
*Luz Elena Concha*

Cataract Surgery in Pediatric Uveitis  
*Bahram Bodaghi*

Biologic Therapy in Pediatric Uveitis  
*Manfred Zierhut*

Parasitic Uveitis in Children  
*Alejandra De La Torre*

Uveitis in Juvenile Idiopathic Arthritis  
*Uwe Pleyer*

Behcet's Uveitis in Children  
*Merih Egriparmak*

Glaucoma and Uveitis  
*Nasrin Tehrani*

Gene Therapy  
*Steve Schwartz*

RPE Transplantation  
*Sergio Rojas*

Gene Therapy for Leber Congénital Amaurosis due to RPE65  
*Rodrigo Matsui*

## IS-MO-139/ 10:30 - 12:00/ Guadalajara 8

### Indications for Laser Therapy in Vitreo-retinal Diseases

Chair: *Benito Celis*

Laser in Vascular Occlusions (CVRO and BVRO)  
*Arthur Levine*

What is the Current Utility of PhotoDynamic Therapy?  
*Itzel Espinosa*

Laser in Predisponent Lesions  
*Armando Sandoval*

Subumbral Laser in Retinal Pathology  
*Martín Flores*

Laser in Diabetic Retinopathy and Macular Edema  
*Victor González*

Discussion  
*Benito Celis*

## IS-MO-137/ 10:30 - 12:00/ Salón Tequila

### Modern Treatment of Retinal Inherited Diseases

Chair: *Hugo Quiroz*

Congénital Abnormalities and Their Impact in the Future  
*Hugo Quiroz*

Artificial Vision (Argus II)  
*Arturo Santos*

## IS-MO-140/ 10:30 - 12:00/ Salón Tlaquepaque

### Retinitis Pigmentosa in the World

Chair(s): *Guillermo Salcedo Villanueva*

Clinical and Genetic Heterogeneity of RP in Mexico  
*Cristina Villanueva*

RP Phenotype in Selected Systemic Diseases  
*Elias Traboulsi*

Glaucoma Associated to Retinitis Pigmentosa  
*Sandra Dixon*

Biomagnetic Implants  
*J. Fernando Arévalo*

Nanotechnology for Retinitis Pigmentosa  
*Frank Siringo*

Causative Genes of RP in Korea  
*Hyeong Gon Yu*

Classification of RP  
*Juan Manuel Jiménez*

OCT Imaging in RP  
*Un Chul Park*

## IS-MO-145/ 10:30 - 12:00/ Guadalajara 5

### How to Get Published

Chair(s): *Pinar O'Dwyer, Arun Singh*

#### Description:

The course will focus on the major elements of a scientific article including the way to write an article, how to formulate the question in the paper, and tips for a good study, as well as the most common errors, and the main reasons for rejection by editors. Information will also be provided about the peer review process and how to navigate the review process including how to respond to a journal editor and to correct the articles with reference to the comments made by reviewers. In addition, the course will describe ethical issues and problems encountered when writing articles for academic journals.

How to Formulate a Question  
*Jost Jonas*

Tips for a Good Study  
*Andrew Schachat*

Ethical Issues  
*Pinar O'Dwyer*

Anatomy of a Good Paper  
*Afsun Sahin*

How to Navigate the Review Process  
*Arun Singh*

## IS-MO-146/ 10:30 - 12:00/ Moda

### The Challenge of Screening, Treating and Training for DR, Glaucoma and AMD in Latin America

Chair(s): *Óscar Albis, Juan Silva, Lihteh Wu*

#### Description:

Several recent RAAB studies have been conducted in the Latin American Region in the last five years with three more ongoing during 2015, making it probably the best epidemiologically mapped region in the world. Consistently, all these studies have confirmed that cataract remains the primary cause of bilateral blindness, but with glaucoma and DR as the second and in some instances the third cause of blindness respectively, it is paramount to pause and consider how to better prepare the future generations of ophthalmologists in the region to address this growing demand on service provision.

With this in mind, we will discuss with a distinguished group of panelists and speakers various strategies for screening, referral and service provision as well as training, appropriate for the LA region.

Summary of Recent Population Based Studies in the Latin America Region  
*Juan Silva*

Results of Population Based Studies in Mexico  
*Pedro Gómez*

The Role of the Prevention of Blindness Committee and the MoH in Mexico  
*Enrique Graue-Hernández*

The Role of PAAO and the National Ophthalmologic Society  
What is the Most Appropriate Nomogram for Screening and Follow up in Glaucoma  
*Óscar Albis*

Cost Efficiency of Screening, Followup and Treatment for DR and AMD  
*Lihteh Wu*



## IS-MO-209/ 10:30 - 12:00/ Guadalajara 9

### (WGA) Novel Methods to Mass Glaucoma Detection

Chair(s): *David Friedman*

#### Description:

Glaucoma is increasingly recognized as a treatable condition even in less developed countries. Unfortunately, most of those with glaucoma are undiagnosed and only present for care late in the disease after treatments are effective. This session will review the currently used strategies for screening for glaucoma in countries around the world and will offer insight into future screening strategies that will be available as technology improves in the coming years.

Detecting Angle Closure and Angle Closure Glaucoma in Communities

*Mingguang He*

Screening In for Glaucoma in Africa

*Daniel Kiage*

Applying New Technology to Screening

*David Garway*

Screening Is More than Identifying Those with Disease: Initial Experience of a Large Screening Program in Baltimore

*David Friedman*

A Model for Identifying Glaucoma in India

*Vijaya Lingam*

How to Identify Glaucoma in Middle Eastern Populations; Logistics, Challenges and Opportunities

*Esmail Eslah*

## IS-MO-213/ 10:30 - 12:00/ Salón de Eventos 1

### (IJCAHPO) WHO IJCAHPO ICO Session: Models of Effective Eye Care Teams

Chair(s): *William Astle, Ivo Kocur, Gullapalli Rao*

#### Description:

This course will review best practices for training the eye care team to expand human capacity in various geographic regions.

Presenters who represent various international organizations will discuss effective educational models, their challenges and successes in establishing training programs.

Global Models of Educational Programs for the Eye Care Team

*Eydie Miller*

Improving Patient Care and Access through Training of Allied Health Personnel

*Alejandro Dalma*

Lessons from the Field: Aiming at Perfection: How the Teamwork Dramatically Changed the Eye Care Provision in India

*Gullapalli Rao*

An Ophthalmologist's View of an Eye Care Team: Their Effectiveness and Productivity

*William Astle*

A Caribbean Model for Training the Eye Care Team

*Lizette Mowatt*

WHO and Team Training: A Global Perspective

*Ivo Kocur*

## IS-MO-229/ 10:30 - 12:00/ Guadalajara 4

### (ALACCSA-R) Cirugía de Catarata en Pacientes con Enfermedad Corneal

Chair(s): *William de la Peña, Eduardo Chávez*

Transplante de córnea y cirugía de catarata

*Luis Izquierdo*

Astigmatismo posterior

*Bruna Ventura*

LIO tórico vs. incisiones límbicas relajantes para el manejo de astigmatismo en cirugía de catarata.

*Marcelo Ventura*

Catarata y cirugía refractiva previa

*Virgilio Centurión*



DSAEK y multifocales: otro LIO  
*Juan Guillermo Ortega*

Cirugía de catarata con femtolaser  
*Luis Escaf*

Catarata en conteo endotelial bajo  
*Guillermo Rocha*

Catarata y pterigión  
*Arturo Ramírez*

Resultados refractivos a largo plazo después de cirugía de catarata con femtolaser  
*Arnaldo Espaillat*

Desprendimiento de Descemet y facoemulsificación  
*Ernesto Otero*

**IS-MO-266/ 10:30 - 12:00/ Guadalajara 3** 

### Office Based Eyelid and Lacrimal Procedures: Pearls from the Experienced

Chair(s): *Kasturi Bhattacharjee, Juanita Carbajal, Don Kikkawa*

Description:  
This session aims to provide an insight into oculoplastics procedures that can be performed in the office. There has been a recent shift from complex procedures to more simple office based procedures. Office based procedures encompass many challenges and are dependent on the surgeon's skill and experience. A variety of office based surgical approaches will be discussed and new options for management. The course will provide a basic understanding of patient selection and expectations.

Eyelid Lesion Removal  
*Habib Eatamadi*

Office Based Aesthetic Eyelid Procedures and Techniques  
*Kasturi Bhattacharjee*

Lower Lid Blepharoplasty  
*Héctor Marines*

Office Based Ptosis Surgery  
*Milind Naik*

Intralesional Triamcinolone for Vascular Malformations without Communication  
*Mary Rose Pe Yan*

Office Based Techniques in Correction of Entropion and Ectropion  
*Ashok Grover*

Punctoplasty and Medial Spindle Procedure  
*Don Kikkawa*

**IS-MO-2868/ 10:30 - 12:00/ Salón de Eventos 3**

### Histiocytic Tumors and Retinoblastoma

Chair(s): *Hind Alkatan, Sarah Coupland, Sun Xuguang*

Langerhans Cell Histiocytosis  
*Hans Grossniklaus*

Juvenile Xanthogranuloma  
*Antonio Augusto Cruz*

RosaiDorfman Disease  
*Sander Dubovy*

Erdheim-Chester Disease  
*Charles Eberhart*

Histiocytic Sarcoma  
*Sarah Coupland*

**IS-MO-2947/ 10:30 - 12:00/ Guadalajara 6** 

### IOL Fixation with Deficient Capsular Support

Chair(s): *Boris Malyugin, Marie-José Tassignon*

Description:  
This symposium will present techniques for intraocular lens fixation in cases with deficient capsular support. Different surgical techniques would be discussed along with video presentations.

Capsule Tension Rings: The Original  
*Alan Crandall*

Capsule Tension Rings Revisited  
*Boris Malyugin*



Glued IOL Fixation  
*Priya Narang*

Scleral Fixation of IOLs  
*Iqbal Ike Ahmed*

Bagin the Lens Implantation in the Compromised Capsule  
*Marie-José Tassignon*

IOL Fixation on the Natural or the Artificial Iris  
*Rafael Barraquer*

**IS-MO-303/ 10:30 - 12:00/ Salón Tonalá**

## Emerging Pharmacotherapies for Posterior Segment Diseases

Chair(s): *Baruch Kuppermann, Taiji Sakamoto*

Description: Update in available emerging treatments for retinal diseases.

Rock Inhibitor for Diabetic Retinopathy  
*Shintaro Nakao*

Tie 2 Activation for DME  
*Quan Nguyen*

Intravitreal Zaltrap for Wet AMD  
*Mauricio Maia*

Another New Therapy for Retinal Diseases  
*Baruch Kuppermann*

**IS-MO-344/ 10:30 - 12:00/ Calzado I & II**

## Therapeutics and Contact lenses

Chair: *Jorge Valdéz*

Antibiotic Resistance Surveillance Studies  
*Penny Asbell*

Therapeutic Properties of Artificial Tears in Contact Lens Wearers  
*Lorenzo Mannucci*

Therapeutic Contact Lens for Cornea Dystrophy  
*Akira Murakami*

Bandage for the Ocular Surface: Contact Lenses and Amniotic Membrane  
*Omur Ucakhan*

**IS-MO-512/ 10:30 - 12:00/ Salón Zapopan**

## Must Knows for Management of End Stage Neovascular Glaucoma

Chair(s): *Amel Ouertani, José Paczka, Christopher Teng*

Description:

This session will present and assess the available treatments or patients with severe or terminal neovascular glaucoma. The pros and cons of the procedures presented.

Risk Factors and Management of NVG in Urban Versus Rural Area  
*Amel Ouertani*

Aggressive Management in the Eye with Terminal NVG  
*Ramanjit Sihota*

Glaucoma Implants in NVG  
*Christopher Teng*

Endocyclophotocoagulation vs Transscleral Cyclophotocoagulation in NVG  
*Vincent Korder*

Results of Double Ahmed Glaucoma Valves in NVG  
*Mauricio Turati*

Current Approach in the Management of NVG  
*Waleed Tantawy*

Other Alternatives in the Management of NVG  
*Rodolfo Pérez*

**SE-MO-6/ 10:30 - 11:15/ Guadalajara 7**



## Evento Especial Sociedad Mexicana de Oftalmología

Presiden: *Ricardo Trigo-Coordinador General Ejecutivo WOC2016/ Coordinador Científico XXXIII Congreso Mexicano de Oftalmología*

*Jorge Valdez- Vicepresidente del XXXIII Congreso Mexicano de Oftalmología*

## Conferencia Magistral “Revista Mexicana de Oftalmología”

### Everardo Hernández Quintela: La ciencia de medir en oftalmología

Presenta: *Everardo Hernández*

**SE-MO-6/ 11:15 - 12:00/ Guadalajara 7**



## Mesa Redonda Magistral “Dr. Magín Puig Solanes”

### Regina Velasco Ramos: Ectasias corneales primarias y secundarias

Panelistas: *Óscar Baca, José Ricardo Vargas, Everardo Hernández, Luis Izquierdo*

**IS-MO-128/ 14:00 - 15:30/ Salón Tequila**

## Management of Complicated Retinal Detachments

Chair(s): *Federico Graue*

PVR in Childhood  
*Sergio Rojas*

Retinal Detachment Associated with Giant Retinal Tear  
*Sundaram Natarajan*

Retinal Detachment Due to Myopia Macular Hole  
*Alejandro Dalma*

Retinal Detachment in Diabetic Retinopathy: Tractional and Rhegmatogenous  
*María Berrocal*

Retinal Detachment with Inferior Breaks: Best Management  
*Federico Graue*

Retinal Detachment in ROP  
*Carlos Caballero*

**IS-MO-8/ 14:00 – 15:30/Guadalajara 7**



## Perlas en el cálculo de lente intraocular en casos desafiantes de cirugía de catarata

El cálculo del poder del lente intraocular en casos de cirugía refractiva previa en todas sus modalidades es un tema de controversia; se analiza el tema con la presentación de casos clínicos que día a día se ven con más frecuencia en nuestra práctica. Dichos casos implican un gran reto pues cada vez más los pacientes tienen altas expectativas en los resultados visuales. En la discusión se abordarán temas relacionados: aparatos para la medición del poder corneal, fórmulas, tipos de lentes, incisiones de entrada, etc. El objetivo general es dar conclusiones normativas de utilidad para los asistentes.

Cálculo de LIO en postoperatorio de cirugía refractiva  
Ponente: *Ingrid Urrutia*  
Modera: *Cecilio Velasco*

Panelistas: *Daniela Pulido, Jaime Zapata, Sergio Ruíz, Eduardo Moragrega, Ariel Prado, Ricardo Abrego*

Casos clínicos  
Ponentes: *Claudia Palacio, Gilberto Islas, Fernando Mora*  
Modera: *Eduardo Chávez*

Panelistas: *Jorge Domene, Fernando Solorio, Marisol Garzón, Claudia Palacios, Gilberto Islas, Fernando Mora, Mariana Mayorquín*

Astigmatismo y facoemulsificación.  
Ponente: *Jesús Arrieta*  
Modera: *Erick Mendoza*

Panelistas: *Santiago García, José Antonio Claros, Linda Nasser, Mariana Takane, Cristina González, Sonia Pluma*



**IS-MO-131/ 14:00 - 15:30/ Guadalajara 8**



## Pharmacology and Retinal Toxicity

Chair: *José Luis Rodríguez*

Retinal Damage Due to Colorants During Vitrectomy and Case Presentation: Discussion  
*José Luis Rodríguez*

Retinal Toxicity due to Solar Radiation  
*Vanessa Flores*

Systemic Drug Toxicity  
*Leonor Hernández*

Retinal Phototoxicity Caused by Fiberoptic Endoillumination During Vitrectomy  
*Sergio Hernández*

Retinal Toxicity due to Intravitreal Drugs  
*Mauricio Maia*

Utility of the ERG in the Drug and Light Induced Retinal Injury  
*Ángeles Hernández*

Preclinical Data on Cytotoxicity and Oxidative Stress of Intravitreal Drugs  
*Ricardo Casaroli*

**IS-MO-191/ 14:00 - 15:30/ Guadalajara 2**

## Low Vision and Comorbidities

Chair(s): *Boshra El Bayoumi*

Description:  
Visual impairment (VI) has economic and social costs. Low vision impacts on every part of a person's life. The presence of additional conditions can compromise health and rehabilitation outcomes. VI is associated with falls, reduced capacity to carry out everyday activities, the need for extra care, and is one of the strongest risk factors for functional status decline in community living people. The impact in quality of life is devastating.

The Importance of Working with Other Specialties  
*Sandra Larco*

Genetic Analysis in Low Vision Patients  
*Juan Zenteno*

Vision, Cognition and Driving  
*Lylas Mogk*

Vision Loss and Falls  
*Anne Riddering*

Visually Impaired Elderly and Depression  
*Ger Rens*

Effect of Visual Rehabilitation on Motor Rehabilitation in CP Cases  
*Boshra El Bayoumi*

Advocacy in Low Vision  
*Mildred Fromow*

**IS-MO-192/ 14:00 - 15:30/ Alcalde**

## (APSEG) Symposium Genetic Eye Diseases: Genes, Counseling and Therapies

Chair(s): *J. Bronwyn Bateman, Govindasamy Kumaramanickavel, Kohji Nishida*

Description: Genes associated with inherited ocular diseases.

Genetic Counselling: Emerging Trends in Inherited Eye Diseases and Next Gen Sequencing Diagnostics  
*Govindasamy Kumaramanickavel*

Genotype phenotype Correlations in Congenital Glaucoma  
*Christiane Al Haddad*

Molecular Characterization in Patients with Primary Congenital Glaucoma, Aniridia and Axenfeld Rieger Syndrome  
*Cristina Villanueva*

Phenotypes Associated With Different Mutations in ABCA4  
*Elias Traboulsi*

Genetic Testing for Glaucoma  
*Janey Wiggs*



Genetics of the Anterior Segment  
*Motokazu Tsujikawa*

Molecular Analysis in Microphthalmos-Anophthalmos  
Coloboma  
*Óscar Chacón*

**IS-MO-214/ 14:00 - 15:30/ Joya I & II**

## **(WIO) Telemedicine and Ophthalmology**

Chair(s): *Lama Al Aswad, Vanessa Bosch*

### Description:

Teleophthalmology is a branch of telemedicine that delivers eye care through digital medical equipment and telecommunications technology. Today, applications of teleophthalmology encompass access to eye specialists for patients in remote areas, ophthalmic disease screening, diagnosis and monitoring; as well as distance learning.

Teleophthalmology enables health professionals to take ocular images and attend to patients who have limited access to ocular health care. There has been a significant increase in teleophthalmology research over the past decade. However, differences in health information exchange standards, data security, liability issues, and cost of equipment are other major challenges in teleophthalmology.

TeleOphthalmology Europe  
*Carolina Pallás*

Iris Health System  
*Yvonne Chu*

TeleOphthalmology in NYC  
*Lama Al Aswad*

Experience in Building the Los Angeles County Department of Health Services Teleretinal Diabetic Retinopathy Screening Program  
*Lauren Daskivich*

The Future of Healthcare: Innovation and the Digital Age  
*María Tazi*

**IS-MO-262/ 14:00 - 15:30/ Guadalajara 3**



## **Thyroid Orbitopathy Today and Tomorrow All About TAO: Evidence Till Now and a Peep into the Future**

Chair(s): Peter Dolman, Robert Goldberg, José Pérez

### Description:

Thyroid associated orbitopathy continues to be a source of significant morbidity for the affected patients. In this session we will review the newest thinking about the pathophysiology of the disease, including insights from molecular medicine. The laboratory and imaging evaluation of patients will be reviewed. Medical therapy and orbital radiotherapy will be reviewed, with emphasis on evidencebased recommendations. Masters in surgery will discuss options and techniques for eyelid retraction, proptosis, and aesthetic rehabilitation. There is still a great deal to be learned about the disease, and directions for new research will be considered.

Updates on Molecular Pathogenesis in TAO  
*Kelvin Chong*

Update on Lab Studies and Imaging in TED  
*Fernando Colombo*

Advances in Medical Therapy for TED  
*José Pérez*

Update on Radiotherapy for TED  
*José Luis Tovilla*

Surgical Options for Proptosis in TED  
*Michel Tazartes*

Updates on Eyelid Retraction Surgery  
*Daniel Rootman*

Aesthetic Rehabilitation in TAO A Personalized Approach  
Robert Goldberg

Updates on ITEDS Current and Planned Research in TED  
*Peter Dolman*



**IS-MO-269/ 14:00 - 15:30/ Guadalajara 5** 

## World Forum of Ophthalmological Journal Editors I

Chair(s): *Paulo Dantas, Alejandro Navas, Arun Singh*

Description:  
What Everyone Ought To Know About Publishing a Scientific Paper

What Makes a Great Article?  
*Mark Rosenblatt*

How to Make a Draft and Start Writing?  
*Sayan Basu*

Tables, Graphics and Figures  
*J. Bradley Randleman*

Common Errors in Scientific Writing  
*Lihteh Wu*

Titles, Abstracts and Introduction  
*J. Fernando Arévalo*

How to Write a Review?  
*Victor Pérez*

**IS-MO-281/ 14:00 - 15:30/ Salón de Eventos 3**

## South American Ophthalmic History

Chair(s): *Andrzej Grzybowski, Jorge Valdéz*

Description:  
The session will disclose important facts, figures and achievements from the South American Ophthalmic History, including Argentina, Brazil, Mexico and historical relations between Spanish and South American Ophthalmology.

The Evolution of the Community Eye Programs in Brazil  
*Keila Carvalho*

A History of Argentinian Ophthalmology  
*Omar López*

Paulina Satanowsky (1897-1985) and Manuel Balado (1897-1942) and Idiopathic Opto Chiasmatic Arachnoiditis  
*Andrzej Grzybowski*

The Ophthalmological Knowledge in the New Spain (Mexico and Central America) During XV, XVII and XVIII Centuries  
*Jorge Valdéz*

Historical Relations Between Spanish and South American Ophthalmology  
*Rafael Barraquer*

**IS-MO-2933/ 14:00 - 15:30/ Guadalajara 4** 

## (Argentinian Council of Ophthalmology and Puerto Rico Society of Ophthalmology) Cornea, From Pterygium Surgery to Endothelial Grafts

Chair: *Lilia Rivera*

Description: Didactic with discussion time.

Perfect Technique for Pterygium Surgery  
*Emilio Baez*

Other Pterygium Techniques  
*Vanessa López*

Other Uses of Amniotic Membrane in the Cornea  
*Lilia Rivera*

Keratoconus Apps in Surgical Technique  
*Roberto Albertazzi*

Endothelial Grafts, Evidence in Favor of DMEK  
*Nicolás Fernández*

**IS-MO-2945/ 14:00 - 15:30/ Guadalajara 6** 

## Conquering the Rock Hard Cataract

Chair(s): *Yehia Amin, David Chang*

Description:  
Attendees would be able to have a comprehensive update on management of cases with hard cataracts.

Surgical pearls and techniques would be presented by stalwarts in this session.

The Two Nuclei Concept Technique for the Hard Cataract  
*Yehia Amin*

Corneal Protection OVD Viscoelastic: Pearls  
*David Chang*

Divide and Conquer: Pearls  
*Alan Crandall*

Upside Down Stop and Chop in Black (Nigrans) Cataract  
*Virgilio Centurión*

Manual Small Incision ECCE  
*Samar Basak*

## IS-MO-301/ 14:00 - 15:30/ Salón Tonalá

### Emerging Cell and Gene Based Therapies for Posterior Segment Diseases

Chair(s): *Baruch Kuppermann, Gursel Yilmaz*

Description:  
The symposium will focus on various cell based therapies being developed for the treatment of common retinal diseases.

Neural Stem Cells for AMD  
*Theodore Leng*

Retinal Progenitor Cells for Treatment of Retinitis Pigmentosa  
*Henry Klassen*

Embryonic Derived RPE Cells for AMD and Stargardts  
*Ninel Gregori*

New Developments in Sustained Deliver to the Vitreous and Retina  
*Paul Ashton*

Advances in Gene Therapy for Retinal Disease  
*Thomas Chalberg*

## IS-MO-309/ 14:00 - 15:30/ Mueble I & II

### (COS) Global Information and Inter Relations in Ophthalmology: The Path to the Future

Chair(s): *Guillermo Rocha, Rand Simpson*

Description:  
With the rapidly changing field of ophthalmology both regionally and globally, our approach to interrelations both locally and worldwide, with patients and professionals alike, demands continuing evaluation of current strategies involving methods of education, transfer of information and collaborative patient care. This session will address some of these issues relating to collaborative approaches to eye cancer care, ophthalmic imaging, management of diabetic eye disease, oculoplastic procedural guidelines and the use/misuse of social media in our profession, as this technology and its increasing availability continues to impact patient care on a global scale.

International Description and Management of Eye Cancer: A Collaborative Approach  
*Rand Simpson*

Retina Imaging Now and the Future  
*Eduardo Navajas*

Remote Management of Diabetic Eye Disease  
*Michael Brent*

Social Media in Ophthalmology: Benefits and Hazards  
*Guillermo Rocha*

Oculoplastic Management: A Global Collaboration  
*Nancy Tucker*

## IS-MO-348/ 14:00 - 15:30/ Salón Zapopan

### Keratoconus

Chair(s): *Ebru Toker*

Description:  
Over the past decade the management of keratoconus has changed from the traditional model limited only to rigid gas permeable lenses or penetrating keratoplasty to an array of newer medical and surgical treatment modalities that focus both on prevention of disease progression and improvement of functional visual acuity. Contact lenses are generally the



first treatment attempted, after stabilization of the disease. We proceed to surgical options when contact lens fitting fails. All these surgical treatments aim to achieve satisfactory unaided vision however contact lenses may still be required for further visual improvement. New design contact lenses like keratoconus design rigid gas permeable lenses, soft lenses, hybrid and scleral lenses offer the advantage of better comfort together with improved vision. In this symposium, a panel of experts will debate their preferences of therapies such as collagen crosslinking (CXL) (standard and accelerated), intracorneal ring segments and combined procedures, lamellar and penetrating keratoplasty and contact lens fitting options after these surgical procedures.

Current Protocols of CXL to Halt the Progression of Keratectasia  
*Ebru Toker*

Contact Lens Fitting after CrossLinking  
*Dorothea Kuhn*

Intracorneal Ring Segments for Keratoconus  
*Penny Asbell*

Contact Lens Fitting after Intracorneal Ring Segments  
*Omur Ucakhan Gunduz*

Contact Lens Fitting in Post Keratoplasty Keratoconus Eyes  
*Lim Li*

## IS-MO-466/ 14:00 - 15:30/ Salón Tlaquepaque

### ICO Fellowships and Exams Joint Symposium

Chair(s): *Peter Gabel, Cordula Gabel, Simon Keightley*

ICO Introduction/Standard Examinations, Foundation Formative Assessment Online Demonstration and Advanced Examination  
*Simon Keightley*

Facts on ICO Fellowship Program  
*Peter Gabel*

How to Apply for an ICO Fellowship Award  
*Cordula Gabel*

## IS-MO-511/ 14:00 - 15:30/ Salón de Eventos 1

### (MEACO) Glaucoma Challenges in Developing Nations

Chair(s): *Ahmed Abdulla, Jesús Jiménez-Román, Amel Ouertani*

Description:  
The session will present and discuss the burden and the glaucoma related challenges in developing countries including the lack of infrastructure, human resources and the financial issues.

Challenges Related to Early Detection and Diagnosis  
*Ebtisam Al Alawi*

Treatment Options: Pros and Cons  
*Adel Al Jazzaf*

Strategy to Improve the Situation  
*Suad El Fitouri*

Burden of Glaucoma in Developing Nations in Africa  
*Fátima Kyari*

Challenges Related to Management: Socioeconomic Impact of Glaucoma in Mexico  
*Gabriel Lazcano*

Burden of Glaucoma in Developing Nations in Latin America  
*Jesús Jiménez-Román*

Challenges Related to Management: Socioeconomic Impact of Glaucoma in Mexico  
*Juan Rueda*

Challenges Related to Management: Medical and Ocular Surface Problems  
*Sihem Lazreg*

Choosing a Treatment: Making a Difference  
*Luis Silva*

Role of the International Community  
*Amel Ouertani*

## IS-MO-514/ 14:00 - 15:30/ Guadalajara 9

### Glaucoma as a Neurodegenerative Disease

Chair(s): *Félix Gil, Jost Jonas, Fabián Lerner*

#### Description:

The session will present and discuss glaucomarelated changes in the brain including structural changes in the visual centers of the brain cortex, alterations in cerebrospinal fluid pressure, similarities and differences between glaucoma and other central nervous diseases, and neuroprotection.

Glaucoma The Most Common Neurodegenerative Disease

*Neeru Gupta*

Glial Changes in Glaucoma

*M. Francesca Cordeiro*

Cerebrospinal Fluid Pressure and Glaucoma

*Ningli Wang*

Is Mitochondrial Function Implicated in Glaucomatous Neurodegeneration?

*David Garway*

Neuroprotection

*Robert Weinreb*

Chronic Neurodegenerative Diseases and Their Relationship with Glaucoma

*Mark Moster*

Glaucoma: Similarities and Differences with Other Brain Diseases

*Thamar Gómez*

## IS-MO-10/ 14:00 - 15:30/ Salón Moda

### X Reunión Internacional de Antiguos Alumnos del Instituto Barraquer: cirugía ocular pediátrica

Coordinadores: *Rafael Barraquer, Jeromi Nadal, Luis Porfirio Orozco*

#### Descripción:

Presentaciones de cinco minutos de la misma temática

por médicos egresados del Instituto. Entrega del premio "Richard and Suzanne Troutman" al mejor trabajo

## IS-MO-9/ 16:00 – 17:30/ Guadalajara 7



### Glaucoma moderado y avanzado: el reto de la progresión y de la rehabilitación visual

Se abordará el diagnóstico oportuno de glaucoma, diferenciando las etapas de la enfermedad y correlacionando los hallazgos en nervio óptico con los estudios de diagnóstico estructural y funcional clave del tratamiento.

Se incluirá la prevención del glaucoma y la rehabilitación en los pacientes adultos con visión funcional deteriorada secundaria a éste padecimiento.

Igualmente se expondrá la importancia de la habilitación integral y visual del infante con glaucoma congénito.

Perlas en el diagnóstico y tratamiento del glaucoma moderado y avanzado.

*Marina Ramírez*

Diferencias clínicas y estructurales entre glaucoma moderado y avanzado.

*Jesús Jiménez-Román*

Progresión en glaucoma: puntos clave para el diagnóstico

*Curt Hartleben*

Prevención en glaucoma y repercusión en la vision baja

*Mildred Fromow*

Rehabilitación visual en el paciente con glaucoma

*Ana María Beauregard*

Tratamiento médico en glaucoma moderado y avanzado: diferencias, que tan baja debe ser la PIO, costo beneficio.

*Juan Rueda*

MIGS para glaucoma moderado y avanzado: ¿Realmente pueden detener la progresión?

*Ike Ahmed*



Los retos del tratamiento convencional y moderno para países en desarrollo: costo beneficio.  
*Félix Gil*

Caso clínico: glaucoma congénito  
*Rosa Elena de la Torre*

Manejo de la visión baja en niños con glaucoma congénito  
*Lourdes Medina*

**IS-MO-118/ 16:00 - 17:30/ Guadalajara 8**



**(Costa Rican Association of Ophthalmology and Panamanian Ophthalmology Society) Update in Macular Telangiectasia Type 2**

Chair(s): *Teodoro Evans, Lihteh Wu*

Description: Update in Macular Telangiectasia

Update in Pathogenesis  
*Francisco Rodríguez*

Clinical Features and Current Classification  
*Jay Chhablani*

Update in Ancillary Studies  
*Lihteh Wu*

Current and Future Treatments  
*Teodoro Evans*

**IS-MO-136/ 16:00 - 17:30/ Salón Tequila**

**Current Approaches in the Management of Polypoidal Choroidal Vasculopathy (PCV) and Retinal Angiomatous Proliferation (RAP)**

Chair: *David Lozano*

Angiographic Diagnosis of Choroidal Polypoidal Vasculopathy  
*Michael Engelbert*

Differential Diagnosis of Choroidal Polypoidal Vasculopathy vs Central Serous Chorioretinopathy  
*Renata García*

Results of Choroidal Polypoidal Vasculopathy with Photodynamic Therapy  
*Pablo Muñoz*

Results of Choroidal Polypoidal Vasculopathy with Anti VEGF Monotherapy  
*Javier del Valle*

Combined Treatments  
*Gabriela López*

Treatment of Retinal Angiomatous Proliferation  
*José Antonio López*

Case Presentation and Discussion  
*David Lozano*

**IS-MO-148/ 16:00 - 17:30/ Moda**

**New Data and Trends on Prevalence and Causes of Visual Impairment**

Chair(s): *Rupert Bourne, Hugh Taylor*

Description:

In 2010, 65% of 32.4 million blind people and 76% of 191 million people with moderate and severe vision impairment (MSVI) worldwide had a preventable or treatable cause, compared with of 31.8 million and 80% of 172 million in 1990. Leading causes worldwide in 1990 and 2010 for blindness were cataract (39% and 33%, respectively), uncorrected refractive error (20% and 21%), and macular degeneration (5% and 7%), and for MSVI were uncorrected refractive error (51% and 53%), cataract (26% and 18%), and macular degeneration (2% and 3%). Causes of blindness varied substantially by region. Worldwide and in all regions more women than men were blind or had MSVI due to cataract and macular degeneration.

These data from the Global Vision Database will be updated for 2014 in this session and future projections using this comprehensive database of all populationbased survey data published (and unpublished) since 1980, will be made available with guidance on how to access this information through the online visualization tool ([www.iapb/maps](http://www.iapb/maps)). Leading international experts will present information on coverage of data from three key regions of the World, namely China, Africa and Latin America.



## IS-MO-160/ 16:00 - 17:30/ Joya I & II

### Interactive Session

Both governments and nongovernmental organizations need to monitor the prevalence of blindness and vision impairment over time and this and the issue of national 'indicators' for eyecare will be discussed for each of these regions. The efforts these regions have made to provide this data or meet these international expectations will be discussed. Population based studies vary widely in their design, a common distinction being made between 'rapid' studies and 'comprehensive studies'. 'Rapid' methodology studies have provided important information for regions in which data had been sparse until recently. The relative coverage of these surveys for these regions will be presented.

The Global Vision Database: New Data and Trends  
*Rupert Bourne*

China: New Data and Trends  
*Jialiang Zhao*

Africa: New Data and Trends  
*Kovin Naidoo*

Latin America: New Data and Trends  
*Juan Silva*

Diabetic Retinopathy: New Data and Trends  
*David Friedman*

Glaucoma: New Data and Trends  
*Neeru Gupta*

Translating Prevalence into 'Burden' The Issue of Disability Weights  
*Jill Keefe*

Using Epidemiological Data to Effect Change  
*Serge Resnikoff*

### Evidence Based Education: Is It Possible?

Chair(s): *Fernando Gómez, Peter Quiros, Andries Stulting*

Description:  
Evidence Based Education could provide a sound base to our daily practice as educators. During this course the evidence about some current and new practices in medical education will be discussed.

Evidence Based Medicine, Evidence Based Education: Are They Comparable?  
*Jorge Valdéz*

Teaching through Lectures: What's the Evidence of its Effectiveness?  
*Peter Quiros*

Online or Face to Face Learning? Which One is Better?  
*Eduardo Mayorga*

Transference of Surgical Skills from Virtual Reality Simulation Surgical Training to Practice: What is the Evidence?  
*Mathys Labuschagne*

Small Group Clinical Training, Evidence of a 30 Year Career in Academic Ophthalmology  
*Andries Stulting*

Interprofessional Learning: What's the Evidence?  
*Prashant Garg*

## IS-MO-177/ 16:00 - 17:30/ Guadalajara 5

### World Forum of Ophthalmological Journal Editors II

Chair(s): *Mohsen Kashkoui, Pinar O'Dwyer, Everardo Hernández*

Description:  
What Everyone Ought To Know About Publishing a Scientific Paper



How to Choose the Journal?  
*J. Bradley Randleman*

How to Send the Manuscript?  
*Sayan Basu*

Peer Review Types  
*J. Fernando Arévalo*

References and Citations/ Bibliometrics  
*Mark Rosenblatt*

Ethics and Plagiarism  
*Victor Pérez*

**IS-MO-190/ 16:00 - 17:30/ Guadalajara 2**

## Low Vision and Vision Rehabilitation

Chair(s): *Ger Rens*

Description:  
Rehabilitation for patients with Low Vision is mandatory. It helps people with visual impairment to regain their independence by doing normal daily tasks. Also helps patients to be safe and active so they can participate in activities and community despite vision loss.

Strategies for vision rehabilitation will be discussed as they vary with age, level of impairment, pattern of loss and individual patient goals and experience.

Vision Rehabilitation in Glaucoma Patients  
*Kazuhide Kawase*

Defining International Rehabilitation Standards  
*Filippo Amore*

Patterns of Vision Loss: Implications for Rehabilitation  
*Mary Jackson*

How to Manage the Disturbance of the Reading Mechanisms in Visually Impaired  
*Boshra El Bayoumi*

Reading Speed and Reading Test  
*Ger Rens*

Rehabilitating With an Eye Towards the Future Visual Rehabilitation in Children  
*María Rodríguez*

Total Eye Care  
*Jim Runciman*

**IS-MO-259/ 16:00 - 17:30/ Guadalajara 3** 

## (ISOPRS) Endoscopic Procedures in Oculoplasty and Pediatric Oculoplasty

Chair(s): *William Katowitz, Sunil Moreker, Kelvin Chong*

Description:  
This symposium will present recent developments in both adult and pediatric oculoplastic surgical techniques. A variety of endoscopic approaches and instrumentation will be described which will provide new options for the management of orbital and lacrimal disorders.

In addition, for the management of congenital ptosis, the value of combining different surgical approaches in the repair of upper lid ptosis will be discussed for most effectively managing certain types of bilateral pediatric ptosis problems.

The importance of careful preoperative evaluation for determining the optimum surgical technique in the repair of these oculoplastic disorders will be emphasized.

The Use of a Ultrasonic Bone Aspirator in Pediatric Endonasal Endoscopic Dacryocystorhinostomy  
*William Katowitz*

Endoscopic Orbital Decompression  
*Kelvin Chong*

Endoscopic Orbital Fracture Correction and Orbital Tumour Removal  
*Sunil Moreker*

Transcanalicular Endoscopy  
*Reynaldo Javate*

Pediatric Orbital Fracture  
*Renbing Jia*



**IS-MO-2890/ 16:00 - 17:30/ Guadalajara 6** 

## (PAAO) The Cutting Edge in Cataract Surgery

Chair(s): *Eduardo Chávez, William Culbertson, Luis Izquierdo*

Description:  
This session will cover controversial topics in state of the art cataract surgery.

Femto Phaco vs NonFemto: To Be or Not to Be  
*Guillermo De Wit*

Phaco and PKP : Phacosuction a new Technique  
*Carlos Martínez*

Phaco Nightmares  
*Eduardo Soriano*

Dealing with Aphakia  
*Juan Ortega*

When and How Should Phaco Surgery Be Taught  
*Jessica Ciralsky*

Optimizing Astigmatism Correction in Facorefractive Surgery  
*Bruna Ventura*

Phaco Challenging Cases  
*Daniela Pulido*

**IS-MO-2924/ 16:00 - 17:30/ Salón de Eventos 3**  
**Special Symposium on Leadership**

Chair(s): *Lourdes Arellanes, Michael Brennan, Jans Fromow*

Description:  
Enhanced Professionalism in Ophthalmology through Global Leadership Development.

Introduction  
*Jans Fromow*

Why Is This So Much Fun?  
*Cynthia Bradford*

Be Nice to Your Neighbors  
*Zelia Correa*

SubSahara Stepping Out  
*Kgao Edward Legodi*

Down Under Is Not Down and Out  
*Catherine Green*

Physician Executive Relations  
*Teresa Bradshaw*

Multi-cultural, Multi Lingual Alliances  
*Stefan Seregard*

Conclusions  
*Michael Brennan*

**IS-MO-2937/ 16:00 - 17:30/ Alcalde**

## Molecular Mechanisms of Genetic Eye Diseases

Chair(s): *Paul Baird, Simone Finzi, Calvin Pang*

Description:  
Molecular basis of the mechanisms of some genetic eye diseases.

Sequence of Events in Uveal Melanoma  
*Martine Jager*

The Molecular Basis of Heredity in Uveitis  
*Calvin Pang*

Mucopolysaccharidosis and the Eye  
*Simone Finzi*

Vascular Functions Recovery in Retina of Dystrophin Dp-71 null Mouse Strain after AAV Mediated Dp71 Restoration  
*Álvaro Rendón*

Exploring Genetic Architecture in AMD  
*Paul Baird*

A Novel Anti Calcification/Anti Stiffness Gene and Mechanism in Glaucoma  
*Terete Borrás*

Genotype Phenotype Associations in Age Related Macular Degeneration  
*Kenji Yamashiro*



## IS-MO-510/ 16:00 - 17:30/ Guadalajara 9

### (PAGS) Tips in Glaucoma for the General Ophthalmologist

Chair(s): *Fabián Lerner, Robert Weinreb*

My Tips in Gonioscopy  
*Rodolfo Pérez*

How Do I Evaluate IOP in Clinical Practice  
*Marcelo Hatanaka*

How to Read an OCT Exam  
*Curt Hartleben*

Laser Trabeculoplasty: Is It Still Useful?  
*Robert Feldmann*

## IS-MO-532/ 16:00 - 17:30/ Salón de Eventos 1

### (MEACO) Controversies in Cataract and Refractive Surgery

Chair(s): *Osama Ahmed, Georges Baikoff, Omar Beltaief*

Description: Controversies in Cataract and Refractive Surgery.

DSAEK: Accessible and Reproducible  
*Maycene Ben Mhamed*

Femtosecond Laser Assisted Phaco: The Quest for Perfection  
*Anas Anbari*

Femto Lasik: Still the Gold Standard  
*Merieme Harouch*

Artisan: How it Stands the Test of Time?  
*Frik Potgieter*

Conventional Phaco: It Doesn't Get Any Better Than This  
*Omar Beltaief*

SMILE: A New Paradigm  
*Osama Ahmed*

DMEK: Transition to Unmatchable Outcome  
*Georges Baikoff*

ICL: All Issues Solved?  
*Yehia Amin*

## IS-MO-625/ 16:00 - 17:30/ Salón Zapopan

### (SOPANOP) Mis casos difíciles de órbita, cómo los abordo (My Tough Orbital Cases, How I Approach Them)

Chair(s): *Fernando Colombo, Cristina Hidalgo, José Luis Tovilla*

Description:  
This session is intended for the oculoplastic surgeon with an special interest in orbital disease. It will focus in some special cases that represent a challenge regarding diagnosis, treatment plan, surgical approach, and outcomes. Several patients will be discussed to illustrate different topics.

Tratamiento del Linfangioma Orbitario (Treatment of Orbital Lymphangiomas)  
*Rosa Balcells*

Tumores de Abordaje Quirúrgico Difícil (Tumors with Difficult Surgical Approach)  
*Jorge Corona*

Fracturas Orbitarias Complejas: Manejo (Complex Orbital Fractures: Management)  
*Guillermo Salcedo*

Patología de la órbita Procedente de Tejidos Vecinos (Orbital Disease Invading from the Vicinity)  
*Ana Rosa Pimentel*

Manejo de la Cavidad Orbitaria Contraída (Management of the Contracted Socket)  
*Cristina Hidalgo*

Cuerpos Extraños Orbitarios (Orbital Foreign Bodies)  
*José Luis Tovilla*

Presentación de Casos Clínicos y Sesión de Preguntas (Case Presentations and Questions)  
*Fernando Colombo*

## INVITED COURSE

**IC-MO-212/ 8:30 - 10:00/ Salón Tonalá**

### (PAOOS) Hot Topics in Oncology

Chair(s): Jonathan Kim, Arun Singh

Update in the Management of Ocular Surface Neoplasias  
Sonia Callejo

Small Choroidal Melanoma  
Carlos Medina

Imaging Techniques  
Rubens Neto Belfort

FNAB  
David Pelayes

AJCC/TNM Classification in Ocular Oncology  
Gerardo Graue

Uveal Melanoma: Aspects of Mortality  
Arun Singh

Retinoblastoma: Management  
Jonathan Kim

**IC-MO-258/ 8:30 - 10:00/ Guadalajara 3**

### (ESOPRS) Orbital Inflammation

Chair(s): *Dion Paridaens, Geoff Rose, David Verity*

Description:  
In this course we will first focus on the need to look for causes of orbital inflammation, which is a tissue response to injury and not a diagnosis. The need for additional examination, including biopsies, is emphasized. When antiinflammatory medications have insufficient effect, the original diagnosis should be reconsidered.

Repeated biopsies or investigations should be considered, while remembering that a "trial of corticosteroids" is not supportive of the diagnosis of inflammation.

In the second part, we will discuss the spectrum of periorbital xanthogranulomatous conditions. The different clinical entities of juvenile and adult onset xanthogranuloma (JXG and AOX), Adult onset Asthma and PeriOrbital Xanthogranuloma (AAPOX), necrobiotic xanthogranuloma (NBX) and Erdheim Chester Disease (ECD) show important similarities upon histopathological evaluation.

Although the xanthogranulomatous conditions are rare, it is important to recognize this group of orbital disorders that may be complicated by haematological abnormalities and malignancy. The relationship to IgG4-related disease will be discussed as well as the current management options.

Finally, we will focus on a common orbital inflammatory condition: thyroid eye disease. The management of this condition will be discussed, including the choice of immunosuppressive therapy and surgery. We will highlight the differences between the management of the patient with active and inactive disease and the importance of a staged approach to rehabilitation in quiescent TED.

Orbital Inflammation Is a Tissue Response and NOT a Diagnosis  
Geoff Rose

Periorbital Xanthogranuloma: A Spectrum of Disease  
*Dion Paridaens*

Thyroid Eye Disease: Management of Active and Inactive Phases of Disease  
David Verity

**IC-MO-163/ 10:30 - 12:00/ Joya I & II**

### Interactive Session

### Tips for Ophthalmic Educators: Improving Your Presentation Skills

Chair(s): *Karl Golinik, Eduardo Mayorga, Ana Palis*

Description:  
Though widely criticized, lectures are still the most frequent strategy for delivering knowledge in medicine. There is evidence that lectures can be effective if



learners are involved in the lecture and presentations are appropriately designed. Strategies to make lectures more effective will be discussed during this course.

Tips for Ophthalmic Educators: Improving Your Presentation Skills

*Karl Golnik, Ana Palis, Eduardo Mayorga*

**IC-MO-168/ 10:30 - 12:00/ Alcalde**

## Molecular Technologies for Gene Mapping and Functional FollowUp

Chair(s): *Rola Hamam, Chris Hammond, Juan Zenteno*

Description:

Update of molecular technologies and gene mapping for the ophthalmologist.

Gene Environment Interactions with Myopia

*David Mackey*

Homozygosity Mapping in Retinal Dystrophies

*Beatriz Buentello*

Exome Analysis for Diagnosis in Ophthalmic Disorders

*Juan Zenteno*

Glaucoma: SIX6 from GWAS to Function

*Michael Hauser*

Clinical Phenotype of Two Sisters with HPS6 Mutations Identified by Wholeexome Sequencing

*Yoshihiro Hotta*

Exome Sequencing in Primary Congenital Glaucoma

*Terri Young*

Japan Whole Exome Project for Hereditary Retinal Diseases

*Takeshi Iwata*

## INVITED VIDEO

**IV-MO-2934/ 16:00 - 17:30/ Salón Tlaquepaque**

## RETINAWS

Chair(s): *Kourous Rezaei*

Description:

Video discussion of intraoperative complications.

Case Presentations: *Kirk Packo, María Berrocal, Ehab El Rayes, José Roca, Arturo Alezzandrini*

## CASE

**CA-MO-251/ 8:30 - 10:00/ Mueble I & II**

## Imaging of the Eye and Visual Brain

Chair: *Kevin Chan*

Description:

Provides an overview on what can be learned from imaging the brain and the eye in neurodegenerative disease.

Glaucoma Neuroimaging in Humans and Experimental Animal Models

*Kevin Chan*

OCT Imaging of Alzheimer's Disease

*Bernhard Baumann*

Neurovascular Coupling in the Retina

*Gerhard Garhöfer*

Quantitative MRI of the Eye

*Eric Muir*

**CA-MO-246/ 10:30 - 12:00/ Mueble I & II**

## New Approaches in Retinal Imaging

Chair(s): *Wolfgang Drexler, David Huang*

Description:

Gives an update on novel retinal imaging techniques.

OCT Angiography  
*David Huang*

Measurement of Retinal Oxygen Extraction  
*Leopold Schmetterer*

Choroidal Imaging Using OCT  
*Wolfgang Drexler*

Polarization Sensitive OCT  
*Yoshiaki Yasuno*

## CA-MO-175/ 16:00 - 17:30/ Salón Tonalá (ISOO) Rapid Fire Case Presentation

Chair(s): *Hans Grossniklaus, Arun Singh*

Management of Orbital Optic Nerve Disease in Retinoblastoma  
*Ashwin Mallipatna*

Retinocytoma: A Special Case  
*Jacob Pe'er*

Bad News, maybe?  
*Carol Shields*

A Peculiar Conjunctival/orbital Lesion, and 30 Years Followup On Peculiar Iris Lesions  
*Jerry Shields*

Conservative Therapy of Retinoblastoma in China: Initial 3 Year Outcomes  
*Junyang Zhao*

Retinal Reactive Astrocytic Tumor  
*Hans Grossniklaus*

Intraocular Mass  
*Arun Singh*

Panoramic (150°) ICG and Fluorescein Angiography in Metastatic Tumors of the Choroid  
*Leónidas Zografos*

Retinoblastoma  
*Laurence Desjardins*

Unknown Case  
*Tero Kivela*

Posterior Scleritis Mimicking a Choroidal Mass  
*Sarah Coupland*

Peripapillary Cavemous Hemangioma  
*Masood Naseripour*

CA-MO-382/ 16:00 - 17:30/ Guadalajara 4

## Interactive Session

### (AOI) Prevention and Management of Complications in Anterior Segment Surgery: An Experience Based Approach What the Literature Doesn't Teach Us

Chair(s): *Gullapalli Rao, Robert Ritch, Abhay Vasavada*

Description:  
This course aims to bring out top clinical pearls from experts on prevention and management of complications anterior segment surgery (cataract, corneal refractive surgery, corneal transplantation, glaucoma surgery). The aim is to discuss effective strategies and solutions for complications commonly faced in different surgical procedures, going beyond what literature describes.

Important Note: This session is scheduled to end 15 minutes later at 17:45.

AOI Lecture: Introduction  
*Gullapalli N. Rao*

AOI Lecture: Management of Surgical Complications of Uveitis. An Outcome and Experience Based Approach.  
*Rubens Belfort*

Failed SC Catheterisation During Canaloplasty: What Should We Do?  
*Ningli Wang*

Discussions with Patients About Surgery - Legal and Related Issues  
*Paul Lee*

Intraoperative Iris Prolapse and Other Pupil Issues During Cataract Surgery  
*Boris Malyugin*

Inadvertent Descemet Detachment During Anterior Segment Surgery  
*Jorge Alío*



DSEK: Graft Attachment and Detachment  
*Harminder Dua*

Intraoperative Flap Complication in Femto Lasik  
*Ioannis Pallikaris*

## INSTRUCTION COURSE

**INS-MO-32/ 8:30 - 9:15/ Guadalajara 1**

### Estrategias médicas y quirúrgicas en trasplante de alto riesgo

Instructores: *Nallely Ramos, Luz Elena Concha, Guillermo De Wit, Josué Rodríguez, Valeria Sánchez*

#### Descripción:

Se expondrán las características clínicas de trasplante de alto riesgo, epidemiología del rechazo inmunológico y falla, y prevención de rechazo: antes, durante y posterior a la cirugía de trasplante. Se hará una revisión del manejo del paciente de alto riesgo y la experiencia con inmunomoduladores

**INS-MO-33/ 9:15 - 10:30/ Guadalajara 1**

### Manejo quirúrgico de la parálisis facial

Instructores: *Rosa Rubio, Guillermo Salcedo, Ariel Ceriotto, José Luis Tovilla, Guilherme Castella*

#### Descripción:

Se explicarán los efectos sobre la fisiología y protección palpebral de la parálisis del VII nervio craneal a partir de lo cual se plantearán las diversas formas de manejo quirúrgico y sus resultados a largo plazo.

El saber reconocer la afección específica en cada paciente nos permite decidir cuando el manejo deba dirigirse a párpado superior, canto, ectropión paralítico, peso facial, o a múltiples factores, a fin de lograr un efecto permanente o al menos duradero en la resolución del daño funcional secundario a esta patología.

Efecto funcional de la falla del VII nervio  
*Ariel Ceriotto*

Manejo del párpado superior  
*José Luis Tovilla*

Manejo del tercio medio facial  
*Rosa Isela Rubio*

Uso de fascia temporal como soporte permanente  
*Guilherme Castela*

**INS-MO-1275/ 8:30 - 10:00/ Salón de Eventos 2**

### Surgical Management In Uveitis A Multi-disciplinary Approach

Course Instructor(s): *Amala George, Shantha Balekudaru, Rama Rajagopal, Parveen Sen*

#### Description:

Uveitis is known to be associated with a wide variety of complications in almost every subspecialty of ophthalmology needing surgical interventions. Advances in modern surgical techniques have helped significantly in improving the surgical success rate in uveitic cases. This instruction course aims to help the practicing ophthalmologist to successfully prevent and manage complications of uveitis.

**INS-MO-1389/ 8:30 - 10:00/ Salón de Eventos 6**

### Myopia and Glaucoma

Instructors: *Fernando Gómez, Sarwat Salim, Omar Salamanca, Wen Hsiang Lee*

#### Description:

The participants will be able:

- 1) To emphasize on the difficulty of the glaucoma diagnosis in myopic patients.
- 2) To describe the optic disc and retinal changes of myopia and glaucoma.
- 3) To identify the most useful diagnostic technologies to assess these patients.
- 4) To give some practical recommendations about how to deal with patients with myopia and glaucoma.

## INS-MO-1917/ 8:30 - 10:00/ Salón de Eventos 4

### Pediatric Oculoplasty Recent Advances

Course Instructor(s): *Sunil Moreker, William Katowitz, James Katowitz*

Description:

The participants will be able to:

- 1) Enumerate four common paediatric conditions which require specialised care
- 2) Discuss the management principles in congenital ptosis
- 3) Discuss the management of contracted socket in the child
- 4) Discuss the management of orbital tumours
- 5) Discuss the management of orbital fractures
- 6) Discuss the management of complicated lacrimal drainage disorders in children

## INS-MO-2552/ 8:30 - 10:00/ Salón de Eventos 7

### Intracorneal Ring Segment Implantation in Keratoconus and Corneal Ectasia

Course Instructor(s): *Rafael Barraquer, Juan Álvarez*

Description:

At the conclusion of this course, the attendee will have a better understanding of the action of intracorneal ring segments, how to select and combine them (and eventually with other techniques) to improve the results in the correction of keratoconus and other corneal ectasia.

## INS-MO-2885/ 8:30 - 10:00/ Minerva I & II

### ABC in Effective Ophthalmic Publishing

Course Instructor(s): *Andrzej Grzybowski, Francesco Bandello, Alejandro Navas*

Description:

Fast development of computer technology and internet changed the publication practice over last decade. The need for speed and global availability of publication has become now at least equally important as the prestige of a journal. In this workshop we emphasize the basics of modern scientific publishing looking more closely on the manuscript traffic within the editorial office and the manuscript selection.

In this light we indicate good authors habits which dramatically speeds up the publication process. We also take a look at two other major problems, such as ethical problems, and understanding the role of citations and journals impact factor in building up scientific career.

## INS-MO-916/ 8:30 - 10:00/ Salón de Eventos 5

### Retinal Vascular Occlusions Medical and Surgical Management

Course Instructor(s): *Shlomit Schaal, Tongalp Tezel*

SYNOPSIS:

Controversies concerning the pathogenesis and treatment of retinal vascular occlusions will be highlighted. Lecture and panel discussion will contrast traditional conservative treatment approach with the newly introduced concept of vitreoretinal surgery for retinal reoxygenation.

OBJECTIVE:

To familiarize general ophthalmologists and vitreo-retinal specialists with current indications and the status of newly evolving surgical techniques for the treatment of retinal vascular occlusion.

## INS-MO-1441/ 10:30 - 12:00/ Salón de Eventos 5

### Cataract Panorama

Course Instructor(s): *Ramamurthy Dandapani, Chitra Ramamurthy, Shreyas Ramamurthy, Abhay Vasavada*

Description:

The constant endeavour would be to deliver several take home points to the attending delegates which they can directly employ on their return to surgery. The entire course format will be highly interactive.



## INS-MO-2191/ 10:30 - 12:00/ Salón de Eventos 2

### Aplicaciones clínicas de la microscopía confocal in vivo y OCT de segmento anterior en la patología corneal

Instructor: *Dennis Cortés*

#### Descripción:

Reconocer las aplicaciones clínicas de las imágenes obtenidas con la microscopía confocal in vivo y OCT de segmento anterior en el diagnóstico, manejo y seguimiento de pacientes con diversas patologías que afectan la superficie ocular y segmento anterior.

## INS-MO-463/ 10:30 - 12:00/ Salón de Eventos 6

### Low Vision Basics

Course Instructor: *Sanjiv Desai*

#### Description:

To impart appropriate skills in clinical low vision, including assessment of patients and dispensing low vision aids.

The course is designed for training ophthalmologists, residents and other eye care professionals in clinical low vision care.

## INS-MO-551/ 10:30 - 12:00/ Salón de Eventos 4

### Retinopatía de la prematurez: qué, porqué, quién y cuando

Instructores: *Luis Porfirio Orozco, Marco Antonio De la Fuente, Leonor Hernández, Andrés Kychenthal, Silvia Moguel*

#### Descripción:

El número de nacimientos pretérmino se estima en 15 millones en el mundo y va en aumento. La rehabilitación del prematuro debe siempre anticiparse sin esperar a evidencias de disfunción sino estableciendo una guía de manejo efectivo. El diagnóstico temprano de retinopatía del prematuro permite los tratamientos con laser combinados con antiangiogénicos para reducir el daño severo en la retina. El manejo multidisciplinario del prematuro incluye una rehabilitación visual adecuada.

## INS-MO-34/ 14:00 - 14:45/ Guadalajara 1

### Controversias en cirugía refractiva

Instructores: *Alberto Haber, Ricardo Trigo, Enrique Graue-Hernández, Tito Ramírez*

#### Descripción:

Se realizará un recorrido por las distintas opciones actuales de cirugía refractiva con especial énfasis en los siguientes puntos:

Alta miopía: cirugía corneal vs. intraocular  
Cirugía fotoablativa: límites y femtolaser  
Lentes intraoculares: tóricas, multifocales, fauquicos,  
Cirugía incisional, conductiva, anillos intraestromales

Se presentarán casos clínicos de los cuales los expertos podrán aterrizar consejos y recomendaciones a los asistentes

## INS-MO-35/ 14:45 – 15:30/ Guadalajara 1

### Ojo seco: Nuevos métodos de diagnóstico y tratamiento

Instructores: *Manuel Ramírez, Everardo Hernández, María Costa, Nallely Ramos*

#### Descripción:

Se revisarán los aspectos básicos y clínicos más importantes del ojo seco y el asistente podrá reconocer y saber aplicar las más nuevas técnicas de diagnóstico y tratamiento de los diferentes tipos de ojo seco. Se presentará también la respuesta del epitelio corneal después de tratamiento de ojo seco evaluada con microscopía confocal

## INS-MO-1809/ 14:00 - 15:30/ Salón de Eventos 2

### Interpretation and Clinical Application of OCT from Retina to Cornea: All You Need To Know

Course Instructor(s): *Shri Kant, Sujit Deshmukh, Shraddha Pandey*

#### Description:

At the conclusion of this course the attendees will be able to:



1. Understand working principles of OCT
2. Accurately interpret OCT in
  - a. Diseases of the vitreoretinal interface
  - b. Macular edema, degeneration and other macular pathologies
  - c. Glaucoma for ganglion cell layer and optic nerve head
  - d. Neuroophthalmology for multiple sclerosis
3. Use OCT for
  - a. Planning of LASIK and other refractive surgeries
  - b. Evaluate anterior chamber configuration and assess risk of angle closure
  - c. Calculating IOL power for cataract surgery in post LASIK patients
  - d. Phakic IOL implantation surgery and postoperative follow up
4. Attain basic knowledge of newer OCT machines.

## INS-MO-2298/ 14:00 - 15:30/ Salón de Eventos 4

### Effective Doctor Communication: Going Beyond Medical Knowledge

Course Instructor(s): *Helena Filipe, Karl Golnik, Andreas Lauer, Heather Mack, Eduardo Mayorga, Ana Palis, Bruce Spivey*

Educational Goal: To embrace the different types of communication skills that doctors should hold to meet the many different interests' groups of people they should encounter while practicing.

Learning Objectives:

1. Explain the good practices of an effective clinical interview
2. Explain how to handle challenging medical encounters
3. Define major principles to deliver effective presentations
4. Describe best practices to give effective feedback
5. Describe behaviors to build a good relationship with the media
6. Explain how to make productive team meetings

## INS-MO-2353/ 14:00 - 15:30/ Salón de Eventos 7

### Phacoemulsification in eyes with complex corneal situations

Course Instructor(s): *Jeewan Titiyal, Arup Chakrabarti, Manpreet Kaur, Namrata Sharma, Abhay Vasavada*

Description:

It is important to know various complexities in each steps of phacoemulsification surgery to achieve an optimal outcome in complex corneal situations. IOL power calculation is a difficult task and requires a specific approach.

At the conclusion of this course, the attendees will be able to plan optimal IOL power calculations based on suitable fórmulas and would have gained important surgical tips and sufficient confidence for performing phacoemulsification in these difficult and complicated situations.

## INS-MO-2834/ 14:00 - 15:30/ Salón de Eventos 9

### Queratocono en niños: crosslinking o anillos estromales, ¿Estamos en lo correcto?

Instructores: *Jorge Pacheco, Melis del Carmen*

Descripción:

Analizar el manejo actual internacional y personal de queratocono en pacientes pediátricos específicamente con crosslinking y/o anillos intraestromales

## INS-MO-444/ 14:00 - 15:30/ Salón de Eventos 5

### Optical Coherence Tomography Angiography

Course Instructor(s): *David Huang, Andre Románo, Bruno Lumbroso, Yali Jia, Marco Rispoli*

Description:

-Detect choroidal neovascularization and evaluate response to treatment using OCT angiography.

-Detect retinal neovascularization and assess macular ischemia in diabetic retinopathy using OCT angiography.

-Diagnose glaucoma and other optic neuropathy using OCT angiography



**INS-MO-557/ 14:00 - 15:30/ Salón de Eventos 6**

## **Ambliopía vs binocularidad: el reto**

Instructores: *Silvia Moguel, Rosalia Heras, Martha Ramírez, Rocío Rodríguez, Adriana Valdés, Rosana Vidal*

### Descripción:

El objetivo del curso es analizar y contextualizar la importancia de tratar y conservar la binocularidad. La función visual es una de las actividades cerebrales más complejas, de gran importancia en la evolución humana.

Más del 50% del cerebro participa en funciones visuales y gran parte de las funciones cerebrales de aprendizaje e incluso memoria dependen a su vez de una actividad visual sana, por ende la falla en la misma se manifestará con detrimento en diversas actividades visumotoras. El estrabismo puede provocar un grave defecto en el desarrollo de la visión binocular.

El desconocimiento de los efectos corticales que puede ocurrir en la ambliopía estrábica en la población general provoca un grave daño a la salud infantil que repercutirá en diferentes grados de defecto en las habilidades visumotoras del adulto.

**INS-MO-36/ 16:00 - 16:45/ Guadalajara 1**

## **Actualidades en retinopatía de la prematuridad**

Instructores: *Juan Carlos Bravo, Consuelo Zepeda, Hugo Quiroz, Marco Antonio De la Fuente*

### Descripción:

La retinopatía de la prematuridad (ROP) es la causa principal de ceguera prevenible en la infancia. Reto a mediano plazo: una mayor cobertura para la detección oportuna mediante la preparación de oftalmólogos. Curso dirigido a especialistas que se encuentra en contacto con pacientes prematuros u oftalmólogos que deseen conocer el manejo práctico actualizado de la ROP.

### Temas:

conceptos actuales de la ROP, análisis epidemiológico de la enfermedad de acuerdo al área geográfica, la experiencia panamericana. Impacto social por la falta de detección oportuna, aspectos médicos legales y económicos. Recomendaciones prácticas para su manejo y estado actual de los tratamientos disponibles. Perspectivas de manejo a futuro.

**INS-MO-37/ 16:45 - 17:30/ Guadalajara 1**

## **Cirugía de catarata complicada: retos quirúrgicos de difícil manejo**

Instructores: *Eduardo Chávez, Guadalupe Cervantes, Erick Mendoza, Cecilio Velasco, Daniela Pulido, Jesús Arrieta, Ingrid Urrutia*

### Descripción:

Mediante la presentación de casos reto pretendemos aportar técnicas avanzadas y consejos prácticos en su resolución, de forma tal que el asistente pueda participar, intercambiar experiencias y compartir conocimientos de utilidad tanto en casos habituales como en casos problema.

**INS-MO-1145/ 16:00 - 17:30/ Salón de Eventos 4**

## **Less Than Perfect Outcomes After Uneventful Cataract Surgery: What Are We Missing?**

Course Instructor(s): *Arup Chakrabarti, David Chang, Parag Majmudar, Samuel Masket, Kevin Miller, Jeewan Titiyal*

### Description:

At the end of the course the attendee will become competent in managing their dissatisfied patients who have less than perfect outcomes after uneventful and uncomplicated cataract surgery.

**INS-MO-1591/ 16:00 - 17:30/ Salón de Eventos 5**

## **Vitrectomía en las diferentes patologías de la interfase vitreomacular**

Instructores: *Arturo Santos, Jaime Dávila, Manuel de Alba, Jesús González, Juan José Toledo*

### Descripción:

Los asistentes aprenderán técnicas quirúrgicas en membrana epiretiniana, agujero macular, agujero macular combinado con desprendimiento de retina, marcadores y colorantes en cirugía macular, interpretación y utilidad del OCT macular en diagnóstico y tratamiento de enfermedades de la macula.

## INS-MO-2194/ 16:00 - 17:30/ Salón de Eventos 2

### Evaluación de la relación estructura función en glaucoma

Instructores: *Lulú Ululani Gurría, Jasbeth Ledesma*

#### Descripción:

Los asistentes podrán identificar los cambios estructurales más característicos del nervio óptico, la capa de fibras nerviosas y el complejo de células ganglionares y reconocer los correspondientes defectos campimétricos en una serie de casos clínicos de diversos tipos de glaucoma.

## INS-MO-996/ 16:00 - 17:30/ Salón de Eventos 6

### Actualización en tomografía de coherencia óptica y autofluorescencia para el oftalmólogo general

Instructores: *René Cano, Salvador López, David Pelayes*

#### Descripción:

Conocer la técnica, indicaciones, metodología, utilidad clínica e interpretación de las imágenes de autofluorescencia de fondo de ojo (AF) y de tomografía de coherencia óptica convencional y de realce profundo (EDI, por sus siglas en inglés) en enfermedades de retina.

## FREE PAPERS

## FP-MO-7002/ 8:30 - 10:00/ Salón de Eventos 8

### Anything with Crosslinking

Chair(s): *Simon Holland, Manuel Ramírez*

Refractive Cross Linking: The next generation of Corneal Molding and myopia control  
*Sami El Hage*

Transepithelial and Stromal Pulsed Light Accelerated Corneal Crosslinking (paCXL) for Patients with Progressive Keratoconus  
*Andrew Olivo Payne, Alexandra Abdala, Enrique Graue-Hernández, Erick Hernández, Jaime Larrea, Alejandro Lichtinger, Alejandro Navas, Arturo Ramírez*

Photorefractive crosslinking for the correction of myopia: Preliminary result of a controlled prospective clinical trial  
*Matthias Elling*

Efficacy and Refractive outcomes of LASIK with simultaneous crosslinking in Asian eyes with high myopia  
*Mohamad Rosman*

Outcome of Topography Guided Photorefractive Keratectomy with CrossLinking for Ectasia after Laser Assisted in Situ Keratomileusis with 2 refractive lasers  
*Simon Holland, David Lin*

Confocal microscopy findings after 2 different techniques: epioff and transepithelial crosslinking  
*Manuel Ramírez, Everardo Hernández*

Comparative study of standard corneal collagen crosslinking versus transepithelial corneal crosslinking by iontophoresis of riboflavin, 24 months follow up  
*Guzel Bikbova, Mukharram Bikbov, Emin Usubov, Nelly Zainullina*

Intrastromal complete corneal ring implantation combined with corneal collagen crosslinking  
*Emin Usubov, Mukharram Bikbov, Guzel Bikbova, Gyulli Kazakbaeva*

Comparison of early outcomes of Topography guided photorefractive keratectomy with cross linking for Keratoconus between 2 refractive lasers  
*Simon Holland, David Lin*

Influence of crosslinking with riboflavin and UVA on sclera and eye structure in rabbits.  
*Gyulli Kazakbaeva, Michail Astrelin, Mukharram Bikbov, Guzel Bikbova, Emin Usubov*

## FP-MO-7005/ 8:30 - 10:00/ Alcalde

### Contact Lenses, Ocular Trauma

Chair(s): *Mohamed Diab, Bhartendu Shukla, Mariya Stepanova*

Comparison of Contact Lens and Posterior Chamber Intraocular Lens Correction of Monocular Aphakia during Infancy age group  
*Mohamed Diab*



Role of Induced Higher Order Aberrations in the Myopia Control Effect of OthoKeratology Lenses  
*Andriy Kovalov, Oksana Averyanova*

Bilateral Central Toxic Keratopathy after Laser in Situ Keratomileusis: A Case Report and Review of Literature  
*Ahmed Abdelmaksoud, Osama Ahmed, Nigel Terk, Howe Khoo*

New concepts on the use of artificial tears in contact lens wearers  
*Lorenzo Mannucci*

Analysis of 320 cases of ocular trauma by new classification of ocular trauma  
*Bhartendu Shukla*

Retained Intra orbital Foreign Bodies (IOFB)  
*Syeed Kadir, Golam Haider, Mukti Mitra*

Open Globe Eye Injury Characteristics of A Tertiary Military Hospital in Turkey: Review of 15 Years Experience  
*Soner Guven, Onder Ayyildiz, Ali Durukan, Cuneyt Erdurman, Murat Kucukevcilioglu, Fatih Mutlu*

Enucleation After OpenGlobe Injury: A 14 Year Urban Study  
*Xintong Li, Neelakshi Bhagat, Paul Langer, Roger Turbin, Marco Zarbin*

PostTraumatic submacular hemorrhage removal  
*Mohamad Khalife*

**FP-MO-7025/ 8:30 - 10:00/ Salón de Eventos 9**

## Oftalmología pediátrica y estrabismo

Moderadores: *Paula Morelos, Elsa Flores, Juan Razo*

Detección de factores de riesgo de ambliopía en niños escolares y preescolares en una población mexicana  
*Sara González, María González, Juan Homar Páez, María Rodríguez*

Comparación de las respuestas a las maniobras de oclusión monocular y Posner en el estudio del estrabismo disociado  
*Gloria Miers, María Estela Arroyo*

Uso de Toxina Botulínica A en el tratamiento de las endotropías parcialmente acomodativas  
*Elsa Flores, Alejandra Aguilar, María Castillo, Claudia Elena Murillo, Rosana Toledo, Jessica Vargas*

Terapia visual con Play Station Portable™ como tratamiento en ambliopía  
*Ricardo Fernando Torres, Mauricio Cedillo, Gerardo García, Andrea Ortiz*

Efectividad de la brimonidina como vasoconstrictor profiláctico en cirugía de estrabismo.  
*Mariana Rodríguez, Alejandra Aguilar, Lucrecia Berganza, Raúl Macedo, Claudia Elena Murillo, Rosana Toledo, Jessica Vargas*

Longstanding strabismus Waiting more than 30 years for surgery  
*Miguel Paciuc*

Tratamiento de la desviación vertical disociada en niños con daño neurológico por medio de cirugía inervacional  
*Ivonne Segura*

Bloqueantes tópicos y sistémicos en el tratamiento en los hemangiomas capilares en la infancia.  
*Daniela Welschen, María Estela Arroyo, Lidia Barabini, Susana Grees*

Asesoramiento genético para retinoblastoma: Análisis bioético  
*Paula Morelos, María de la Luz Casas, Juan Carlos Juárez*

B-bloqueantes tópicos y sistémicos en el tratamiento en los Hemangiomas Capilares en la infancia  
*Lidia Barabini, Susana Grees*

Hemorragias retinianas en recién nacidos propuesta de clasificación y correlación clínica  
*Juan Carlos Juárez*

Uso de telemedicina en tamizaje y detección de retinopatía del prematuro en unidades de cuidados intensivos en Guadalajara, Jalisco. Proyecto piloto.  
*Juan Razo, Eusebio Angulo, Andrea Barragán, César González, José Gutiérrez, Daniel Pérez, Luz Zepeda*

**FP-MO-7008/ 10:30 - 12:00/ Salón de Eventos 7**

## Corneal Inlays

Chair(s): *Detlev Breyer, Moones Abdalla, Jesús Cabral*

ICL and TICL in Keratoconus  
*Tamer Gamaly*

## FP-MO-7020/ 10:30 - 12:00/ Salón de Eventos 9

The First Clinical South African Experience with the Latest Refractive Femtosecond Laser Procedure: Small Incision Lenticule Extraction

*Frik Potgieter*

Comparative evaluation of small incision lenticule extraction and Femtosecond LASIK for correction of low to moderate astigmatism

*Vishal Jhanji, Tommy CY Chan, George Cheng, Alex Ng, Clement Tham, Zheng Wang, Victor Woo, Cong YE*

Impact of Different Cap Thicknesses on Visual Outcomes 1 Year after Refractive Lenticule Extraction (ReLEx) smile compared to FemtoLASIK

*Detlev Breyer, Hakan Kaymak, Karsten Klabe, Florian Kretz*

High Myopic Correction Outcomes: Small Incision Lenticular Extraction versus Laser Assisted in situ Keratomileusis (more than 5 diopters)

*Felipe Soria, Jorge Alio, Timothy Archer, Mohamed El Bahrawy, Dolores Ortiz, Dan Reinstein*

Crosslinking the ultrathin cornea following tailored stromal expansion with refractive lenticule

*Ritika Sachdev, Gitansha Sachdev, Mahipal Sachdev*

Association between Hay Fever and High Myopia in United States Adolescents and Adults

*Brian Shafer*

Visual, Refractive and Clinical and Outcomes of Small Incision Lenticule Extraction (SMILE) vs. Implantable Collamer Lens (ICL) for High Myopia

*Jesús Cabral, Enrique Graue-Hernández, Jaime Larrea, Alejandro Navas, Arturo Ramírez, Karla Van Dick*

SMILE for hyperopic astigmatism

*Moones Abdalla, Osama Ahmed*

Compared changes of higher order aberrations after LASIK and femtosecond small incision lenticule extraction in correction of myopia and myopic astigmatism

*Alexander Ovchinnikov, Oleg Kostin, Sergey Rebrikov, Alexey Stepanov*

Long term safety and efficacy of small incision lenticule extraction for high myopia more than 10 diopters

*Osama Ahmed, Moones Abdalla*

## Non Syndromic and Syndromic Strabismus and Visual Rehabilitation in Children

Chair(s): *Birgit Lorenz, Marcel Tusscher, Birsen Gokyigit*

Diffusion Tensor Imaging of visual callosal fibres in human infantile strabismus shows lack of pruning

*Marcel Tusscher*

Longterm observation of treatment for inferior oblique overaction with graded recession anteriorization and the modified graded recession anteriorization

*Chunhua Sun, Ze Wang, Bo Xia*

Minimal invasive esotropia surgery. High frequency radio wave surgery technique

*Igor Aznauryan, Erik Aznauryan, Victoria Balasanyan*

Pulleyopathy: Neuroanatomical Strabismus Due to Pulley Heterotopy in Orbital Dystopias and Cranio-synostosis

*Zia Chaudhuri, Joséph Demer*

Clinical Features and Surgical Management of Patients with Congénital fibrosis of extraocular muscles (CFEOM)

*Le Xuan, Uyen Tran, Thuy Vu*

Surgical Management of Congénital Fibrosis of Extraocular Muscle (CFEOM)

*Birsen Gokyigit, Ebru Aygit, Asli Inal, Osman Ocak*

Integrated Approach to Pediatric Eye Care services in Nepal: An example of successful model of Pediatric eye Care service

*Sailesh Mishra, Ravi Adhikari, Tirtha Mishra*

Outcome of pediatric cataract surgery in Copper belt province of Zambia.

*Parikshit Gogate, Chileshe Mboni, Eleanor McNab, Lene Overland*

Visual rehabilitation of children with Marfan syndrome by using scleral fixing intraocular lens: A hospital based study

*Mastura Khatun, Tarikul Ahsan, Md Atiquzzaman, Mohammad Hossain, Quazi Iftekhar, Nazmul Kallol*

Visual Outcomes of Traumatic Cataract Surgery in Bangladeshi Children: A Hospitalbased Study

*Nahid Ferdousi, AHM Enayet Hussain*



## FP-MO-7027/ 10:30 - 12:00/ Salón de Eventos 8

### Retina: imagenología y terapéutica multimodales

Moderadores: *Roberto Gallego, Rosa Romero, Jorge García*

Correlación de las mediciones de retina y coroides entre dos sistemas de tomografía de coherencia óptica de dominio espectral y uno de barrido  
*Salvador López, René Cano, Federico Graue, José Luis Rodríguez*

Imágenes mejoradas del vítreo tomadas con diferentes sistemas de OCT de dominio espectral  
*María Martínez*

Proposed Classification For Tomographic Posterior Vitreous Detachment (PVD), And High Prevalence Of Type 3 PVD In Diabetic Macular Edema Among Diabetic Patients  
*David Rivera, Carlos Aguilar, Paloma Almeda, Enrique Graue-Hernández, Sergio C. Hernández, Aida Jiménez, Liliana Pérez*

Resultados anatómicos y funcionales de la terapia antimetabolito con espironolactona via oral en la coriorretinopatía central serosa crónica  
*Jorge García, José Arroyo, Luis Iniesta, Sara Lichi Ruiz, Gabriel Ochoa, Fátima Romero*

Endoftalmitis posterior a Bevacizumab (Avastin): 10 casos consecutivos  
*Claudia Martínez*

Inyecciones intravítreas: profilaxis sin antibióticos tópicos  
*Vladimir Poposki, Isaac Alarcón, Agnieszka Dyrda, Ignasi Jürgens, Ana Martínez, Daniela Poposka, Daniel Vilaplana*

Resultados a 9 años del estudio doble ciego, controlado, comparativo entre terapia fotodinámica (FDT) + triamcinolona intravítrea vs terapia triple con fdt + triamcinolona + ranibizumab en membrana neovascular asociada a degeneración macular relacionada a la edad.  
*Rosa Romero*

Estabilidad a largo plazo de los exoimplantes de esponja silicón  
*Carlos Caballero, María Izquierdo*

Uso de viscoelástico en la identificación de sangrado difuso activo transoperatorio en el paciente diabético  
*Josué Lozano, Carlos Azuara, Jaime Dávila, Manuel de Alba, Jesús González, Josué Lozano, Jesús Mohamed Hamsho, Juan José Toledo, Hugo Treviño, Valeria Zapata*

Hallazgos por tomografía de coherencia óptica en pacientes con desprendimiento de retina regmatógeno con involucro macular pre y post cerclaje escleral  
*Rosa Romero*

Asociación entre la imagen de autofluorescencia y la tomografía de coherencia óptica en pacientes con desprendimiento de retina reapiado  
*Jorge Sánchez, Benito Celis, Itzel Espinosa, Juan Abel Ramírez, Ángeles Hernández, Arthur Levine, Carla Montañón, Sergio Rojas, Araceli Rojas, Adriana Saucedo*

## FP-MO-7033/ 10:30 - 12:00 / Minerva I & II

### Uveitis

Chair(s): *Ana Escalona, Tushar Grover, Tania Albavera*

Refractory Necrotizing Scleritis treated successfully with Adalimumab  
*Avinash Gurbaxani*

Clinical manifestations on patients with Polyangiitis with Granulomatosis in an ophthalmological reference center in Mexico City.  
*Ana Escalona, Yasha Bobadilla, Miguel Pedroza*

The Antiinflammatory effect of Tectorigenin in a mouse model of experimental Autoimmune Uveitis  
*Kuidong Kang, Su Ah Kim, Hye Bin Yim, Joon Myung Yoon*

Etiologic diagnosis of anterior uveitis in mexican population  
*Lorena Ramírez, Victor Bautista, Miguel Pedroza*

Outcomes of cataract surgery in patients with pars planitis and immunosuppressive therapy  
*Tania Albavera Giles, Miguel Pedroza, Juan Carlos Serna*

A study of Clinical picture, Visual prognosis and Treatment outcome of uveitis in Behçet's disease  
*Tushar Grover, S R Rathinam*

Vogt-Koyanagi-Harada Syndrome a review of 114 patients in Mexican population  
*Yasha Bobadilla, Miguel Pedroza*

Secondary Corneal Amyloidosis Following Perforating Corneal Trauma: A Series of 5 Cases and a Review of the Literature  
*Seymour Brownstein, Solin Saleh*

Fundus autofluorescence imaging in posterior uveitis  
*Dipak Nag, Rinku Paul, Pankaj Roy*

Uveitis in children and adolescents in a reference center in Mexico  
*Beatriz Valadez, Miguel Pedroza*

Clinical features of syphilitic uveitis in an ophthalmologic reference center in Mexico City  
*Ricardo Medina, Yasha Bobadilla, Miguel Pedroza*

## FP-MO-7015/ 14:00 - 15:30 / Minerva I & II

### Macular Edema, Laser Vitreolysis

Chair(s): *Robert Johnston, Anisha Gupta, Marco Zarbin*

Realworld visual acuity outcomes of ranibizumab treatment for retinal vein occlusion in a well defined region of the United Kingdom  
*Robert Johnston, Ahmed Sallam*

Comparison of structural and functional changes following intravitreal aflibercept in patients with neovascular age-related macular degeneration, diabetic macular edema, and macular edema secondary to retinal vein occlusion.  
*Andleeb Zafar, Helena Cilliers*

Intravitreal Dexamethasone / Ozurdex implant in Retinal Vein Occlusions review of efficacy and safety in clinical practice 1, 2 and 3 year results  
*Helena Cilliers, Lubna Razzaq, Andleeb Zafar*

Detailed Visual Acuity Outcomes and Impact of Baseline Perfusion Status in the VIBRANT Study  
*Lloyd Clark, Friedrich Asmus, David Boyer, David Brown, Jeffrey Heier, Kay Rittenhouse*

Submacular Surgery for "White Circle"; Diabetic Macular Edema with Serous Macular Detachment Containing Hard Exudates  
*Naoko Tachi*

Diabetic macular edema outcomes with antiVEGF treatments: comparison of randomized controlled clinical studies  
*Marco Zarbin, Na Lu, Ivaylo Stoilov*

Visual Acuity Improvement after laser vitreolysis of thickened hyaloid membranes  
*Scott Geller*

Impact on Patient Satisfaction with Laser Vitreolysis in a General Ophthalmology Community  
*Inder Singh*

## FP-MO-7028/ 14:00 - 15:30/ Calzado I & II

### Service Delivery and Education: Success Stories and Challenges

Chair(s): *Serge Resnikoff, Barnaby Reeves, Suzanne Gilbert*

14 years of VISION 2020: Achievements in Guyana  
*Juan Pablo Olivares, Covadonga Bascaran, Juan Silva*

Salient features of National Trachoma Program in Nepal  
*Sailesh Mishra, Tirtha Mishra*

Expanding eye care services to meet global need: an impact study of the capacity building model supported by the Global Sight Initiative  
*Suzanne Gilbert, Kenneth Bassett, Katherine Judson*

Delivery of Compassionate Eye Care to Underprivileged  
*Radhika Krishnan, Sundaram Natarajan*

A cost evaluation of laser photocoagulation for diabetic retinopathy treatment in a low-income setting  
*Assumpta Lucienne Bella, Emilienne Epee, Gaelle Helles, Godefroy Koki*

Integrated Approach of DR Management  
*Abu Raihan*

New Initiatives for Controlling Childhood Blindness in Bangladesh  
*AHM Enayet Hussain, Nahid Ferdousi*



The Effectiveness of Community versus Hospital Eye Service follow up for patients with neovascular age-related macular degeneration with quiescent disease: a virtual randomised balanced incomplete block trial (ECHOES)

*Barnaby Reeves, Usha Chakravarthy, Ruth Hogg, Chris Rogers, Lauren Scott, Jodi Taylor*

The "SKA's" of Ophthalmic Surgical Instruction  
*Glenn Strauss*

MSICS training challenges: Comparing the Phaco Surgeons and ECCE Surgeons learning curves  
*Glenn Strauss*

Impact of Femtosecond Laser Cataract Surgery in a Cataract Surgical Training Curriculum.  
*José De La Cruz, María Cortina*

**FP-MO-7030/ 14:00 - 15:30/ Salón de Eventos 8**

## The Newest Developments in Ocular Oncology

Chair(s): *Laurence Desjardins, Janet Davis, Sarah Coupland*

Misdiagnosed and unsuspected ciliary body and choroidal melanoma after enucleation and evisceration: Review of cases in the Ottawa-Gatineau region from 1996-2012  
*Seymour Brownstein, Steven Gilberg, Solin Saleh*

Relationship between Female Reproductive Factors and Choroidal Nevus in United States Women: An Analysis of Data from the 2005-2008 National Health and Nutrition Examination Survey (NHANES)  
*Mary Qiu, Carol Shields*

Fine Needle Aspiration Biopsy in Uveal Melanoma: Technique, Complications and Outcomes  
*Nathalie Cassoux, Laurence Desjardins*

Second Cancers in Uveal Melanoma Patients  
*Laurence Desjardins, Nathalie Cassoux*

Genetic Profiling of Hepatic Metastases from Uveal Melanoma  
*Sarah Coupland, Bertil Damato, Helen Kalirai, Sarah Lake, Conni McCarthy*

Retrospective Review of Diagnostic Vitrectomy for the Diagnosis of Intraocular Lymphoma Using Flow Cytometry, Cytology, and Gene Rearrangement  
*Janet Davis*

Primary Uveal Lymphomas in Mexican Mestizo Patients.  
*Abelardo Rodríguez, Antonio Cáceres, Ivette Hernández, Jesús Jiménez-Arroyo, Claudia Recillas, Dolores Ríos, Héctor Rodríguez*

Ophthalmoscopic differentiation of Coats' disease from Retinoblastoma  
*Jerry Shields, Carol Shields*

The Predictive Value of TNM Classification, The International Classification, and Reese-Ellsworth Staging of Retinoblastoma for the likelihood of High Risk Pathologic Features  
*Yacoub Yousef*

Intravitreal Chemotherapy for Retinoblastoma Vitreous seeding Results following 360 Consecutive Injections.  
*Carol Shields, Jerry Shields*

**FP-MO-7006/ 16:00 - 17:30/ Salón de Eventos 7**

## Cornea Imaging, Infections and Surgery

Chair(s): *Juan Carlos Serna, Namrata Sharma*

No Bubble No Trouble: Long Term Results of Optical Dalk  
*Ashish Kumar, Manoranjan Das*

Changing trend from penetrating keratoplasty (PKP) to deep anterior lamellar keratoplasty (DALK) for stromal corneal diseases and clinical outcomes of DALK in a single Mexican institution  
*Gerardo Villarreal, Humberto Cavazos, Alejandro Martínez, Jesús Mohamed Hamsho, Karim Mohamed, Jibrán Mohamed, Jesús Ruíz*

Outcomes of Femtosecond Laser Deep Anterior Lamellar Keratoplasty  
*Marcela Espinosa, Sheraz Daya*

Evaluation of a Low Cost Design Keratoprosthesis, in End Stage Corneal Disease  
*Namrata Sharma, Tushar Agarwal, Ruchita Falera, Rasik Vajpayee*



Deep Anterior Lamellar Keratoplasty for Treatment of Deep Herpetic Corneal Stromal Opacities  
*Wei Chen*

In Vivo Confocal microscopic evaluation of corneal endothelial dysfunction model induced by Phaco-emulcification in rhesus monkey  
*Min Wu*

Single/Multilayer Amniotic Membrane Transplantation in the treatment of infectious and noninfectious Corneal Perforations  
*Shreya Thatte*

Corneal Microstructure Alterations in Herpetic Stromal Keratitis, Analyzed with HD Optical Coherent Tomography  
*Raúl Alfaro, Julio Hernández, Alejandro Rodríguez*

Herpes Simplex Virus Disease of the Anterior Segment in children  
*Juan Carlos Serna, Enrique Graue-Hernández, Aida Jiménez, Alejandro Navas, Arturo Ramírez*

The possibility of using of acellular human corneal matrix for lamellar keratoplasty. Experimental study  
*Illia Nasinnyk, Nikolai Leus, Nataliya Pasyechnikova, Valeriy Vit*

**FP-MO-7010/ 16:00 - 17:30/ Salón de Eventos 8**

## Epidemiology for Public Health

Chair(s): *Aida Jiménez, Tasanee Braithwaite, Michal Nowak*

How should we evaluate the quality and risk of bias of population based surveys of vision impairment? Generating an evidence base to inform consensus guidelines using the STROBE indicators  
*Tasanee Braithwaite, Rupert Bourne, Richard Wormald*

Global Indicators Field Testing Project to Pilot Indicators in Latin America: Interim Results  
*Kristen Eckert, Marissa Carter, Van Lansingh, Joan McLeod, Juan Silva*

The Cost of Doing Rapid Assessment of Avoidable Blindness (RAA) Survey in Andhra Pradesh India  
*Srinivasa Pallerla*

Myopia a major cause by Refractive error among urban school children of Nepal  
*Hukum Prasad Pokhrel*

The prevalence and causes of Visual Impairment and Blindness among older adults in the city of Lodz, Poland  
*Michal Nowak*

Prevalence and severity of retinopathy in patients with type 2 diabetes of short duration  
*Aida Jiménez, Carlos Aguilar, Enrique Graue-Hernández, Sergio C. Hernández, Liliana Pérez, David Rivera*

A Bibliometric analysis of academic publication on Diabetic Retinopathy disease trends during 1980–2014: a global and medical view  
*Cagatay Caglar, Emre Demir, Mustafa Durmus, Ferit Kucukler*

IGOR®: Internet Group Ophthalmology Report. Social, medical and economical evaluation on a web medical application in Teleophthalmology  
*Giordano Fanton, Ona Garlaite, Norbert Klaus, Andrea Klaus*

The Barcode Innovation and Significance in Ophthalmic Eye Health Systems  
*Akinwale Akinfe*

Ophthalmology Solutions in the Tropics: Ten year experience with the "mobile phone" as a valuable tool in a resource limited environment.  
*Olufunmilola Ogun*

An innovative approach to bridge the training gap between clinical ophthalmology and public health for eye care  
*Daksha Patel, Astrid Leck, Sally Parsley*

**FP-MO-7016/ 16:00 - 17:30/ Mueble I & II**

## Genetic and Vascular Diseases of the Posterior Segment

Chair(s): *Audina Berrocal, Ankur Singh, Helmut Sachs*

Differentiating Features of Collaterals and Neovascularization of the Optic Disc On Angio OCT  
*Ankur Singh, Reema Bansal, Amod Gupta, Vishali Sara Gupta, Samendra Karkhur, Ramandeep Singh*



En face Imaging of Type 1 Choroidal Neovascularization Using OCT angiography and Sweptsource OCT  
*Sufian Elfandi, Sotaro Ooto, Ayako Takahashi, Kenji Yamashiro, Nagahisa Yoshimura*

Impact of tomographic and clinical features on visual outcome in nvAMD: an integrated multimodal imaging analysis  
*Giuseppe Casalino, Francesco Bandello, Usha Chakravarthy*

OCT Angiography for detection of neovascularization of the optic disc.  
*Ankur Singh, Reema Bansal, Vishali Sara Gupta, Amod Gupta, Samendra Karkhur, Ramandeep Singh*

Japan Whole Exome Project for Hereditary Retinal Diseases  
*Takeshi Iwata*

The choroidal challenge in transchoroidal subretinal chip implantation to restore vision in blind RP patients  
*Helmut Sachs*

Clinical and genetic description of pericentral retinitis pigmentosa  
*Rodrigo Matsui, Artur Cideciyan, Samuel Jacobson, Alejandro Román, Sharon Schwartz, Rebecca Sheplock, Alexander Sumaroka, Malgorzata Swider*

Tectorigenin as an antiangiogenic compound in an oxygen induced retinopathy  
*Su Ah Kim, Kuidong Kang*

Fundus Pigmentation as a risk factor for Development of Retinopathy of Prematurity  
*Audina Berrocal*

Longterm results of intravitreal ranibizumab for the treatment of choroidal neovascularization associated with pathologic myopia  
*Andrii Korol, Taras Kustryn, Volodymyr Naumenko, Oleg Zadorozhnyy*

Outcome of angioid streak related choroidal neovascularization treated by intravitreal bevacizumab  
*Nazmun Nahar*

**FP-MO-7018/ 16:00 - 17:30/ Salón de Eventos 9**

## New Developments in Neuro Ophthalmology

Chair(s): *Karl Golnik, Martín Gallegos, Ambika Selvakumar*

Prevalence of permanent visual loss in biopsy negative Giant Cell Arteritis  
*Joséph Olakkengil, Tina Khanam*

The effect of high dose steroid and normobaric oxygen therapy on recent onset nonarteritic anterior ischemic optic neuropathy; a randomized clinical trial  
*Mohammad Pakravan, Hamed Esfandiary, Nasrin Sanjari, Mehdi Yaseri*

Erythropoietin as an Adjunctive Treatment for Methanol Induced Toxic Optic Neuropathy  
*Mohammad Pakravan, Hamed Esfandiary, Elham Ghahari, Nasrin Sanjari*

The Fluctuation of Serum Aquaporin4 Antibodies after Different Treatment in Seropositive Neuromyelitis Optica associated Optic Neuritis: A Shortterm Followup Study in 25 Patients  
*Quangang Xu, Shanshan Cao, Tingjun Chen, Hao Kang, Shi-Hui Wei, Shuo Zhao, Huanfen Zhou*

The Putative Acceleration of Optic Neuritis when Combined with Chronic Hepatitis B  
*Shi Hui Wei, Shuo Zhao, Ellen Shaoying Tan*

Optic Nerve Regeneration After Traumatic Crush  
*Nataliya Moyseyenko*

Catecholamine excite dumping syndrome and cholinergic induction as mechanisms of formation of amblyopia in primary school children who suffered from preperinatal encephalopathy  
*Sevinj Salmanova*

Neurophysiological evidence for pathogenesis feature of meridional amblyopia in children with astigmatism  
*Igor Aznauryan, Erik Aznauryan, Victoria Balasanyan*

Clinical features and treatment outcome of Paediatric Ocular Myasthenia Gravis (POMG) in an ophthalmic institution  
*Ambika Selvakumar*

Study of Visual Pathway in Children with Strabismus through Tractography and Morphometry Based on Voxel (VBM)

*Martín Gallegos, Germán González, Jorge Mendiola*

**FP-MO-7029/ 16:00 - 17:30/ Minerva I & II**

## The Eye from the Front to the Back

Chair(s): *Samar Basak, Chandra Sahoo, Edward Wladis*

Correlation of clinical outcome with genetics of RB1 gene in Indian retinoblastoma patients

*Namrata Gaikwad, Aloysius Abraham, Bharanidharan Devarajan, Amit Khedekar, Usha Kim, Veerappan Muthukkaruppan, Shanthi Radhakrishnan, Anand Rajendran, Kim Ramasamy, Jatinder Singh, Kannan Thirumalairaj, Ayyasamy Vanniarajan*

Effect of Upper Eye Lid Blepharoplasty on Contrast Sensitivity and Visual Field in patients with Descent of Juxta Brow Lateral Tissue in North East Indian eyelids

*Diva Misra, Kasturi Bhattacharjee, Harsha Bhattacharjee*

Leiomyosarcoma of the Conjunctiva

*Anel Soto, Carlos Castillo, Maclovio Cordova*

Matrix regenerative therapy in progressive corneal thinning: own experience

*Ewa Mrukwa Kominek, Monika Sarnat Kucharczyk, Agnieszka Urgacz Lechowicz*

Clinical utility of the inoffice biomarkers tear osmolarity and matrix metalloproteinase 9 in diagnosing and grading primary Sjögren syndrome dry eye

*Karim Mohamed, Humberto Cavazos, Mario Alberto Garza, Jesús Mohamed Hamsho, Jibrán Mohamed, Fernando Morales, Janett Riega, Gerardo Villarreal*

Long term results of Deep Anterior Lamellar Keratoplasty Vs Penetrating Keratoplasty in Keratoconus: Contralateral Eye Study

*Samar Basak*

Analysing Outcome of Corneal Arcuate Incisions in Laser Refractive Cataract Surgery in Patients with Mild Moderate Corneal Astigmatism

*Chitra Ramamurthy, Ramamurthy Dandapani*

Metaanalysis to compare the safety and efficacy of manual small incision cataract surgery and phacoemulsification

*Parikshit Gogate, Jyoti Jaggernath, Kovin Naidoo*

Cataract surgery outcome in patients with Intravitreal Dexamethasone/ Ozurdex implant for Retinal Vein Occlusions review of efficacy and safety in clinical practice 1, 2 and 3 year results

*Helena Cilliers, Andleeb Zafar, Lubna Razzaq*

Fusional Vergence Dysfunction: A Cause of Headache in School Children

*Chandra Sahoo*

Visual and Subjective Outcomes After Diffractive Trifocal Intraocular Lens (IOL) Implantation for Cataract and Presbyopia Correction

*Francisco Sánchez, Sandra Sanoja*







**Tuesday, February 9<sup>th</sup> 2016**

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8:30 – 14:00/ Guadalajara 6

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Hora	Especialidad
8:30 – 9:15	Retina
9:15 – 9:45	Uveitis/ Visión baja / Neuro oftalmología
9:45 – 10:30	Oculoplástica
11:00 – 11:30	Glaucoma
11:30 – 12:00	Córnea
12:00 – 12:30	Estrabismo / Oftalmopediatría
12:30 – 13:00	Catarata

13:00/ Guadalajara 6

## Mesa Redonda “Dr. Luis Sánchez Bulnes”

### Jorge Valdéz García : Infecciones en oftalmología

Panelistas: *Enrique Graue-Hernández, Jaime Torres, Juan Carlos Ochoa, Eduardo Alfonso*



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Saturday, February 6–Monday, February 8      8:30 – 18:00  
Tuesday, February 9      8:30 – 13:00

\*\*Some listed posters may not be available at the computers because the authors withdrew their participation

### Cataract and Lens Surgery

#### PO-411

¿Qué nos hace falta considerar en la implantación de lentes intraoculares tóricas?

*Leonardo García*

#### PO-417

Correlation of anterior corneal higher-order aberrations with age: a comprehensive investigation

*Xin Tang*

#### PO-545

Changes in OCT after posterior capsular opacification removal

*Gulten Ay, Gokhan Kaya*

#### PO-549

Comparison of the measurements obtained with low coherence optical biometer and contact ultrasound biometer

*Gulten Ay, Gokhan Kaya*

#### PO-591

Comparison of changes in the structure of colored hydrophobic acrylic intraocular lenses after a severe accelerated deterioration test

*Kenji Kawai*

#### PO-614

Hydrophilic lens opacification associated with glaucoma tube implant

*Ahmed Abdelmaksoud, Andrew Walkden, Archana Bhargava, Mark Batterbury*

#### PO-615

Postoperative endothelial cell loss

*Renate Wiedemann, Anna Reuschel, Peter Wiedemann*

#### PO-669

Correlación entre resultados de poder de lente intraocular con fórmulas de 4ta generación obtenidas con 3 métodos diferentes: IOL Master, IOL Station y ultrasonografía más autorefractómetro.

*Ivo Ferreira, Eduardo Chávez*



## PO-670

### Objective outcomes of AT LISA tri 839MP IOL in Institución Conde De Valenciana

*Ivo Ferreira, Fátima Llantada, Eduardo Chávez*

## PO-759

### Catarata en árbol de navidad

*Andrés Urióstegui, Marisol Garzón, Pablo Guzmán, Adrián Escudero*

## PO-788

### Patients' visual experience during phacoemulsification cataract surgery and associated fear

*Tanveer Chaudhry, Khabir Ahmad, Amash Aqil, Kanza Aziz, Ammar Javed*

## PO-810

### Evaluation of a bi-toric, trifocal multifocal intraocular lens

*Florian Kretz, Detlev Breyer, Matthias Gerl, Ralf Gerl, Hakan Kaymak, Matthias Mueller*

## PO-819

### Predictability of intraocular lens power calculation after acute angle-closure glaucoma attack

*Mohamed Ali, Akihito Igarashi, Kazutaka Kamiya, Hidenaga Kobashi, Kimiya Shimiz*

## PO-877

### Brilliant BLUE G as an alternative to trypan blue for conducting continuous curvilinear capsulorhexis in cataract surgery

*David Magaña, Efraín Romo*

## PO-878

### Implante de lente intraocular trifocal después de la extracción de cristalino transparente con fines refractivos, resultados visuales y satisfacción del paciente

*Fernando Rodríguez-Sixtos*

## PO-889

### Use of Liquid Optics Interface 12 in femtosecond laser-assisted cataract surgery for patients with narrow palpebral fissures

*Yien Lai*

## PO-911

### Análisis comparativo de los resultados visuales y de satisfacción de dos plataformas de lentes intraoculares trifocales.

*Daniela Pulido, Alejandro Cruz*

## PO-954

### Clinical analysis of serious systemic complications occurred during or post-operative within 24 hours of phacoemulsification

*Xingyu Li*

## PO-987

### Síndrome de Weill Marchesani

*Adrián Escudero, Marisol Garzón, Pablo Guzmán, Dalia Guadarrama, Andrés Urióstegui*



## PO-1002

### Evaluation of treatment outcomes for cystoid macular edema following cataract surgery

*Arthi Venkat, Megan Rudolph, Veena Raiji, Lindsay Smithen, Sankaranarayana Mahesh*

## PO-1150

### One-year results after implantation of a bitoric trifocal lens

*Hakan Kaymak, Detlev Breyer, Karsten Klabe, Florian Kretz*

## PO-1009

### Catarata traumática: intervenciones y desenlace visual en población pediátrica de la Fundación Hospital Nuestra Señora De La Luz.

*Eduardo Arellano, Jaime Lozano*

## PO-1153

### Comparison of different variants of blended vision with rotational asymmetric multifocal intraocular lenses (MIOI)

*Hakan Kaymak, Detlev Breyer, Karsten Klabe, Florian Kretz*

## PO-1068

### Cirugía de catarata en Cuba 2010/2014

*Reinaldo Ríos*

## PO-1154

### Analysis of anatomical changes in the posterior eye segment structures by spectral optical coherence tomography method in femtosecond laser-assisted cataract surgery

*Alexander Zabolotniy, Anastasiya Bronskaya, Karine Misakyan*

## PO-1138

### Results of surgical treatment of traumatic cataracts

*Aliaksandr Kryvun, Yuliya Razhko, Ihar Hlushniou*

## PO-1156

### Examination of surgical stress and cytoskeletal changes in anterior lens capsule epithelial cells following manual and femtosecond laser assisted capsulorhexis

*Zsolt Biro, Andrea Sükösd, Ábrahám Hajnalka, Beata Gaspar, Andrea Kerek*

## PO-1146

### Add-On Torica-SPB implantation for complex postoperative ametropia correction.

*Boris Laptev*

## PO-1192

### A Prospective Randomized Study Comparing an Accommodative and Two Multifocal IOLs: 3-year Follow-up

*Robert Ang*

## PO-1149

### One session surgery for cataract and asteroid hyalosis. (phacoemulsification + pccc + anterior vitrectomy + pc-iol implantation) (case report)

*Zsolt Biro*



## PO-1206

### Cataract surgery as an etiology of sympathetic ophthalmia

*Mariana Flores, Pablo Guzmán, Laura Andrea Torrado, Fernando Solorio*

## PO-1230

### Remote results of artificial iris + iol complex implantation

*Oleg Fechin*

## PO-1273

### Relationship of age related cataract and serum VITAMIN C level

*Lavanya Rao, Krishna Rao, Sulatha Bhandary, Sameer Iqbal, Rajani Devi*

## PO-1363

### Pérdida celular endotelial en cirugía de catarata con técnica de incisión pequeña (SICS) en el Instituto Mexicano De Oftalmología

*Carlos Vásquez, Jaime Macías, Pamela González*

## PO-1371

### Sutura de LIO de cámara posterior en esclera externa

*José Aguilar*

## PO-1407

### Phacoemulsification and IOL implantation in a patient with anterior lenticonus and spontaneous rupture of the anterior capsule.

*Paulina Tolosa, Lourdes Fernández, Susana Peniche, Karime Pérez*

## PO-1411

### Síndrome de iris flácido en pacientes bajo tratamiento con antagonistas alfa-1 adrenérgicos y sus complicaciones durante cirugía de catarata.

*María Rubalcava, Jaime Lozano*

## PO-1421

### Complicaciones asociadas a la colocación de lente intraocular fáquico

*Pablo Urzúa, Jesús Jiménez-Arroyo, Magdalena García, Mariana Escalante*

## PO-1430

### Cálculo de lente intraocular en ojos con longitud axial mayor a 25.00 mm: SRK-T VS SRK-II

*Cynthia Solis, Daniel Salas*

## PO-1499

### Resultados visuales y refractivos posteriores a la implantación de cinco tipos de lentes intraoculares multifocales. Hospital Central Militar; Mexico, segundo semestre del 2014.

*Manuel García, Diego Murillo, Marco Cantero*

## PO-1503

### Oclusión de la arteria central de la retina post facoemulsificación sin complicaciones

*Diego Zamora, Eduardo Chávez, Marisol Garzón*



## PO-1523

**Resultados visuales y endoteliales comparativos entre técnicas de mininúcleo y facoemulsificación. 2013**

*José Moreno*

## PO-1533

**Tecnica de pre chop manual en catarata hipermadura, nuevos instrumentos**

*José Aguilar*

## PO-1767

**Visual quality of life after first and second eye implantation of toric intraocular lenses**

*Christoph Hirneiss*

## PO-1770

**Comparison of the effect of nepafenac and ketorolac on the inflammatory response after phacoemulsification and intraocular lens implantation using laser flare photometry.**

*Nilüfer Yalçındağ, Mehmed Uğur Işık*

## PO-1896

**Endoftalmitis bilateral secundaria a cirugía de facoemulsificación bilateral simultanea**

*Ana López, Antonio López*

## PO-1900

**Comparison of rotational stability of 4 different toric lenses.**

*Ramesh Dorairajan, Mohamed Anjum Iqbal*

## PO-1932

**Results of intraocular lens implantation and capsular tension ring in patients with zonular dehiscence**

*Kadir Eltutar, Tulay Akcetin, Sedat Gurkan, Belma Karini, Mustafa Suat Alikma*

## PO-1983

**Functional and anatomical results in cataract surgery by small incision cataract surgery (SICS) versus phacoemulsification in healthy patients: a prospective randomised study**

*Imen Ammous, Imen Letaief, Raja Zhioua*

## PO-2002

**The visual quality after implantation of bio-analogic intraocular lens in cataract and presbyopic patients –own results**

*Ewa Mrukwa-Kominek, Lukasz Cwalina, Sylwia Wagner, Agnieszka Urgacz-Lechowicz*

## PO-2017

**Does IOL selection at the time of cataract surgery affect driving habit?**

*George Beiko*

## PO-2095

**Comparación de seis fórmulas biométricas con el lente Restor**

*Alejandro Tello, Virgilio Galvis, Marlon Dueñas, Gabriel Frederick Velásquez, Andrés Serrano*

## PO-2134

**Catarata De Morgagni**

*Alma Del Toro*



## PO-2239

### Prevalencia de astigmatismo preoperatorio en pacientes sometidos a cirugía de catarata en Mexico

*Adolfo Peña, Alejandro Franco, Nicolás León, Fernando Aguilera, Fernando Rodríguez-Sixtos, Victoria González, Enrique Alvarado, Carlos Carral, Manuel Garza*

## PO-2282

### Refractive cylinder and corneal astigmatism in pseudophakic eyes

*Woong-Joo Whang, Choun Ki Joo*

## PO-2323

### Defocus curve and objective accommodation with the Akkolens Lumina Accommodative Intraocular Lens

*Jorge Alio, Aleksey Simonov, Ana Plaza, Alexander Angelov, Yavor Angelov, Michiel Rombach*

## PO-2385

### Comparación de métodos de determinación del astigmatismo corneal total en pacientes para Lente tórico: estudio piloto

*Camilo Niño, Alejandro Tello, Virgilio Galvis, Rubén Berrospi, María Parra*

## PO-2464

### Determinación del poder corneal luego de cirugía refractiva con laser excimer con dos tomógrafos corneales

*Ángela Castillo, Virgilio Galvis, Alejandro Tello, Luis Jaramillo, Carlos Rodríguez, Paul Camacho, Luis Pareja*

## PO-2506

### Estudio comparativo de la calidad visual tras la implantación de lentes intraoculares (LIOS) difractivas trifocales.

*Javier García, José Martínez, Paula Talavero, José Ignacio Fernández, Laura Valcarce, Julián García*

## PO-2523

### Caruncular anesthesia versus classic peribulbar anesthesia: a prospective randomized study.

*Imen Letaief, Imen Ammous, Omar Beltaief, Raja Zhioua*

## PO-2534

### Ultrasound phacoemulsification vs nano-second laser cataract surgery – the thermal study

*Iván Tanev*

## PO-2540

### Evaluation Of macular thickness after phacoemulsification and manual SICS using OCT

*Dipak Bhuyan, Himanto Hazarika*

## PO-2551

### Outcome after small incision cataract surgery and phacoemulsification at Kigali University Teaching Hospital

*Eugene Semanyenzi*





## PO-2553

**Efficacy and safety of Bromfenac 0.09 (Zebesten Ofteno<sup>®</sup>) vs Nepafenac 0.1% (Nevanac<sup>®</sup>) in the profilaxis of ocular pain, anterior segment inflammation and cystoid macular oedema (Irvine-Gass Syndrome) in subjects undergoing phacoemulsification/IOL implantation**

*Aldo Oregon, Marco Cid, Adolfo Rodríguez, Arie Mercado*

## PO-2568

**Estudio multicentrico de los resultados visuales y refractivos posterior al implante de un lente intraocular multifocal trifocal.**

*Daniela Pulido, José Claros-Bernal, Alejandro Cruz, Leonardo García, José Claros-Bustamante*

## PO-2583

**Refractive surprises after cataract surgeries-lens exchange.**

*Dipak Bhuyan, Himanto Hazarika*

## PO-2607

**Phacoemulsification and IOL calculation in patients with radial keratotomy: a case series.**

*Christian Leroy, Talía Nieto, Santiago García*

## PO-2666

**Refixation of a 3-piece IOL after subluxation of the IOL-bag-capsular tension ring-complex due to PEX and zonular dehiscence**

*Peter Raak*

## PO-2712

**Incidencia de complicaciones transoperatorias en cirugía de catarata por técnica de facoemulsificación y extracción extracapsular de catarata, realizada por médicos residentes en formación**

*María Belén Jerves, Fernando Solorio, Flor Daniela Guzmán, Marisol Garzón*

## PO-2795

**Lentes tóricos en casos especiales**

*Susana Peniche*

## PO-2801

**Evaluación de satisfacción con lente intraocular SN60WF vs Akreos AO en un mismo individuo**

*Efrén Muñoz, Nubia Ortiz*

## PO-2837

**Variación de la aberración corneal esférica intrasujeto y en función de la edad**

*Alexander Martínez*

## PO-2839

**Associated depression in pseudophakic patients with intraocular lens with and without chromophore**

*María Elena Mendoza, Ana Lorenzo*

## PO-2840

**Presencia de disfotopsias con lentes intraoculares SN60WF y Akreos AO en un mismo individuo**

*Nubia Ortiz, Efrén Muñoz*



## PO-2841

**Efectividad del azul tripán comparado con acetato de triamcinolona en la tinción de vítreo en cirugía de catarata con ruptura de cápsula posterior**

*Alicia Namoc*

## Contact Lens and Refraction

## PO-1131

**Long Term effect of orthokeratology on childhood myopia progression: twelve-year results of a retrospective cohort study**

*Cheng-Jen Chiu, Yueh-Chang Lee*

## PO-1463

**Evaluation of rigid gas permeable (RGP) contact lens in post-keratoplasty astigmatism**

*Rohit Agarwal, Manpreet Kaur, Jeewan Titiyal, Rajesh Sinha, Namrata Sharma*

## PO-1468

**Cosmetic cleansing oil absorption of soft contact lenses in dry and wet conditions**

*Junko Tsukiyama, Yuko Miyamoto, Aya Kodama, Masahiko Fukuda, Yoshikazu Shimomura*

## PO-1978

**Comparison of spherical vs toric contact lenses in patients with low astigmatism**

*Krzysztof Muskalski, Anita Muskalska, Mariola Dorecka*

## PO-2028

**Patrón de uso de lentes de contacto y sintomatología asociada en una población estudiantil.**

*Manuel Garza, Lucía De Fátima Arroyo, Mariana Ibañez, Ximena Hernández, José Villarreal, Alejandra Chapa, Maricarmen Díaz*

## PO-2092

**Morphological endothelial changes in contact lens wearers detected with specular microscopy analysis.**

*Jaime Ruíz, María Rivodó, Vianey Rangel*

## PO-2096

**La miopía en el siglo XXI: su etiología y su control**

*Virgilio Galvis, Alejandro Tello, Óscar Blanco, María Parra, Jesús Merayo*

## PO-2331

**Is there a difference in the knowledge, attitude and practice in refractive error among students with corrected and uncorrected refractive error in Nairobi, Kenya?**

*Lily Nyamai, Daniel Kanyata, Lucy Njeri, Margaret Njuguna*

## PO-2344

**Prevalence, knowledge, attitude and practice on refractive error among students attending public high schools in Nairobi, Kenya.**

*Lily Nyamai*



## PO-2514

### Accommodation lag in migraine patients

*Eren Çerman, Semra Turhan, Muhsin Eraslan*

## PO-2643

### Contact lens fitting after cross-linking

*Dorothea Kuhn*

## Cornea, External Eye Diseases, and Eye Banking

## PO-505

### Fornix reconstruction with amniotic membrane transplantation – a cosmetic remedial for blind patients

*Shreya Thatte*

## PO-544

### Comparison of specular microscopy and pachymetry findings of keratoconic and normal eyes

*Gokhan Kaya, Gulden Ay*

## PO-555

### Study of goblet cell morphology by impression cytology in various types of pterygium

*Poorvi Garg, Shreya Thatte*

## PO-576

### Extensive therapeutic penetrating corneoscleral transplantation for a clinically presumed fungal keratitis : a case report

*Po Yen Lee*

## PO-583

### Role of impression cytology in detecting goblet cell damage caused by various ocular surface disorder

*Poorvi Garg, Shreya Thatte*

## PO-644

### Management of premium intraocular lens dissatisfaction

*Susan Senft, Dalel Tartak, Maria Tartak*

## PO-647

### A new protocol and instrument for the management of Meibomian gland dysfunction

*Juan Battle*

## PO-649

### Comparative study of tacrolimus and bevacizumab on corneal neovascularization in rabbits

*Sung Kun Chung, Jin Heung Park*

## PO-668

### Tear meniscus evaluation using optical coherence tomography in Meibomein gland dysfunction patients

*Sung Kun Chung, Soo Ji Jeon, Ji Won Baek, Kyung Hong*



## PO-730

Visual, tomographic and high-order aberration (HOA) outcomes of combined phototherapeutic keratectomy (PTK) using bitoric ablation and epithelium-off corneal collagen crosslinking (CXL) in the treatment of keratoconus.

*Guillermo Rocha, Victor Penner, Kylee Lewis*

## PO-732

Pachymetry assisted lamellar keratoplasty vs penetrating keratoplasty in keratoconus

*Martha Jaimes, Alexandra Abdala, Alejandro Navas, Arturo Ramírez, Enrique Graue-Hernández*

## PO-824

Recombinant human growth hormone (RHGH) delivered topically by a novel carbonylmethylated hyaluronic acid polymer (CMHA-S) for corneal wound healing

*Barbara Wirostko, Juan Ding, Gina Griffith, Maryjane Rafii, Julia Morelli, Hee-Kyoung Lee*

## PO-828

Uso de Interferon Alfa 2 Beta tópico como terapia coadyuvante en neoplasia escamosa de la superficie ocular (NESO)

*María Del Carmen Peralta, Karla Paola García*

## PO-844

Uso de Posaconazol en queratitis micótica

*Karla Paola García, Leticia Maya*

## PO-855

Analysis of the outcomes of autologous simple limbal epithelial transplantation (SLET) in eyes with unilateral limbal stem cell efficiency (LSCD) following ocular burn

*Tuhin Chowdhury*

## PO-880

Frequency and risk factors associated with dry eye disease in patients attending a tertiary care ophthalmology center in Mexico City

*Jaime Martínez, Anat Galor, Nallely Ramos, Andrés Lisker, Francisco Beltrán, Jorge Ozorno, Valeria Sánchez, Everardo Hernández*

## PO-918

Corneal stitching with iris incarceration as an emergency treatment of a large peripheral perforated sterile corneal ulcer

*Ghada Rajab*

## PO-922

Dry eye treatment through orbicularis muscle eyelid paralysis with Botulinum Toxin Type-A

*Ángel Nava, Carlos Serna*

## PO-962

Cultivo de fondos de saco conjuntival en córneas donadoras

*Leticia Maya, Karla Paola García, Luis David Gómez*



## PO-1039

### Multilayer cultivation of human corneal cells on the soft lenses

*Anna Kavelina, Andrew Popandopulo*

## PO-1042

### Pythium keratitis: a retrospective study

*Onsiri Thanathanee, Pitchaya Prapaipanich, Olan Suwan*

## PO-1075

### Tejido corneal procurado con fines de trasplante en el Hospital General De Mexico 'Dr. Eduardo Liceaga'

*Leticia Maya, Karla Paola García, Berenice Bermúdez*

## PO-1096

### Sensibilización a aeroalergenos más comunes en pacientes pediátricos con conjuntivitis alérgica

*Ricardo Jáuregui, Graciela González, Verónica Martínez, Adriana Velasco, Leticia Rivero, Saúl Cortés, Liliana Gómez, Martín Bedolla, Ma. Guadalupe Alcalá*

## PO-1147

### One-year results after femtosecond laser-assisted circular keratotomy (Femto-CKT) as a treatment for keratoconus of stage I and II. comparison between two different age groups

*Detlev Breyer, Hakan Kaymak, Karsten Klabe, Florian Kretz*

## PO-1151

### Refractory acanthamoeba keratitis as a potential indication for corneal cross-linking

*Justyna Izdebska, Piotr Wozniak, Jacek Szaflik*

## PO-1198

### Evaluation of changes in corneal biomechanical properties at different levels of diabetic retinopathy

*Göktuğ Seymenoğlu*

## PO-1217

### Efecto del aciclovir sobre la expresión relativa de IL-6 y TNF- $\alpha$ en fibroblastos limbocorneales humanos en cultivo con conidios de *Fusarium Solani*

*Daniela Castro, Victor Bautista, Herlinda Mejía*

## PO-1218

### Relevancia de la longitud axial en los resultados visuales de la Queratoprótesis De Boston 1

*David García*

## PO-1224

### Rehabilitación visual mediante métodos no invasivos en relación al grado de queratocono en la Fundación Hospital Nuestra Señora De La Luz.

*Paulina Camacho, Cristina Pacheco, Óscar Fernández, Óscar Baca, Alejandro Babayan, Elisa Alegría, Regina Velasco*



## PO-1243

**Prevalence of meibomian gland dysfunction in a general population: symptomatic and demographic correlation.**

*Marisol Tirado, Julio Hernández, Alejandro Rodríguez*

## PO-1247

**Complicaciones en la curva de aprendizaje en la técnica de SMILE.**

*German Fuentes, Regina Velasco, Óscar Fernández, Óscar Baca, Elisa Alegría, Cristina Pacheco, Alejandro Babayan*

## PO-1264

**Cornea transplantation in Bangladesh: who do the eye banks serve?**

*Mir Rahman, Shehrin Mahmood*

## PO-1267

**Epidemiology and risk factors of fungal keratitis in a tertiary eye care center in southern Turkey**

*Meltem Yagmur, Elif Erdem, Zeynep Kunt, Arbil Acikalın, Macit Ilkit, Reha Ersoz*

## PO-1270

**Keratometric changes associated with eye rubbing. randomized case-control trial.**

*Gabriela Ortiz, Elizabeth Hawkes, Jordan Chervenkov, Deborah Horney, Mayank Nanavaty*

## PO-1300

**Legal issues concerning eye donation in Bangladesh**

*Mir Rahman, Shehrin Mahmood*

## PO-1321

**Correlation between caffeine ingest and dry eye induced by LASIK**

*Óscar Fernández, Teresita De Jesús Islas*

## PO-1329

**Evaluación a través de microscopía confocal: efecto de anillos intraestromales tipo Intacs, implantados con láser de femtosegundo**

*Teresita De Jesús Islas, Óscar Fernández, Regina Velasco, Alejandro Babayan, Elisa Alegría, Óscar Baca, Cristina Pacheco*

## PO-1344

**Evaluation of collagen-phosphorylcholine cornea substitutes in high risk keratoplasty patients**

*Oleksiy Buznyk, Nataliya Pasychnikova, Stanislav Iakymenko, Mohammad Islam, May Griffith*

## PO-1345

**The use of matrix therapy in neurotrophic ulcers**

*Sihem Lazreg*

## PO-1350

**Corneal involvement in Sjogren Disease**

*Sihem Lazreg*

## PO-1388

**Microscopía confocal en queratopatía lipoidea: reporte de un caso**

*Alba Sandoval*



## PO-1396

**Evaluation of corneal endothelial integrity after intracameral injection of bevacizumab for rubeosis iridis cases**

*Ayman Rashed*

## PO-1405

**To compare visual outcome & complications in penetrating keratoplasty (PK) & PK combined with cataract extraction**

*Himanto Hazarika, Bhumika Deb, Dipak Bhuyan, Suranjana Hazarika*

## PO-1425

**Carcinoma epidermoide corneconjuntival: reporte de caso**

*Cindy Haro, German Villagómez, Silvia Paz, Yolanda Chávez, Ariana Cinco, Karla Chávez, José Piña*

## PO-1480

**Combined corneal and posterior segment infections – etiology, role of Landers keratoprosthesis and outcome**

*Rama Rajagopal, Sumanta Bera, Pramod Bhende*

## PO-1485

**Keratomalacia(x3b) in a case of global developmental delay with nutritional anaemia, a case report**

*Allen Raveendran, Kalpana Suresh, Mohamed Anjum Iqbal, Narayanan Balakrishnan*

## PO-1494

**Incidence of microbial corneal ulcers in the ophthalmology service of the General Hospital Of Mexico Eduardo Liceaga.**

*Diana Parra, Karla Paola García*

## PO-1525

**Susceptibilidad antibiótica en infecciones oculares**

*Alejandro Tello, Virgilio Galvis, Paul Camacho, Yuly Castellanos, María Parra, Donaldo Villarreal*

## PO-1535

**Carcinoma epidermoide de conjuntiva con invasión intra y periocular, reporte de un caso.**

*Adriana Velasco, Miriam Becerra, Laura Ray Saucedo, Saúl Cortés, Verónica Martínez, Ricardo Jáuregui, Itzel Durand*

## PO-1540

**Clinical and histopathological features of 52 cases of suspected conjunctival neoplasia in a population in western Mexico.**

*Eric Oregon*

## PO-1594

**Collagen cross-linking with iontophoresis for progressive keratoconus.**

*Valeria Sánchez, Guillermo De Wit, Emmanuel Cabrera, Luis Aguilar, Everardo Hernández*



## PO-1620

### Ocular surface disease and glaucoma in a high referral ophthalmological center in Mexico City

*Everardo Hernández, Nallely Ramos, Jaime Martínez, Cristina Isida Llerandi, Jesús Jiménez-Román, Félix Gil, Manuel Ramírez, Dalía Marylin Rojo*

## PO-1632

### Cross-linking assisted by iontophoresis as an adjuvant treatment for corneal refractory infectious keratitis.

*Gabriela Navarrete, María Costa, Arturo Olguín, Emmanuel Cabrera, Valeria Sánchez, Cristina Silva*

## PO-1635

### Contralateral autologous corneal transplantation experience in Mexico

*Ana Lilia Pérez, David Ancona, Rafael Paz*

## PO-1645

### Long-term indications of penetrating keratoplasty in children.

*Arturo Olguín, Alfredo Terán, Cristina Silva, Nallely Ramos, Everardo Hernández, Valeria Sánchez*

## PO-1668

### Determinación de IL-1RA y HMGB1 en fase aguda de queratitis química

*Jesús Esquivel*

## PO-1687

### Differential diagnosis of corneal dystrophies - microstructural proofs revealed by in vivo confocal microscopy

*Teodora Marinova, Christina Grupcheva*

## PO-1670

### Minor ipsilateral simple limbal epithelial transplantation (Mini-SLET) for pterygium treatment

*Erick Hernández, Guillermo Amescua, Alejandro Navas, Arturo Ramírez, Alejandro Lichtinger, Enrique Graue-Hernández*

## PO-1783

### Morphological markers to monitor the cornea endothelium behavior by specular microscopy

*Fernando Abib*

## PO-1794

### Epidemiological studies of the prevalence of ocular surface disease (OSD) in polish population based on the Oddisey Algorithm.

*Anna Ambroziak, Anna Bielecka, Anna Dąbrowska, Anna Uliasz, María Sobol, Jerzy Szaflik*

## PO-1878

### Efficacy of Subconjunctival Bevacizumab in Recurrent Pterygium

*Tulay Akcetin, Kadir Eltutar, Belma Karini*





## PO-1950

**Topical 0.03% tacrolimus ointment for the refractory vernal keratoconjunctivitis in children**

*Darakhshanda Khurram*

## PO-1995

**Pénfigo ocular, reporte de dos casos diagnosticados histopatológicamente.**

*Magda Peña, Laura Ray Saucedo, Ricardo Jáuregui, Jorge Aguilera, Manuel Zepeda, Emma Teresa Villaseñor, Miriam Becerra, Daniel García*

## PO-2024

**Early detection of the affection of corneal nerve fibers in patients with type 2 diabetes using the corneal confocal microscopy**

*Constantin Mihai, Marian Burcea, Calin Tataru*

## PO-2065

**Penetrating autokeratoplasty: good alternative and results. a case report.**

*Nancy Paulina Renteria, Karla Herrerías*

## PO-2088

**Verteporfin photodynamic therapy in patients with corneal neovascularization**

*Rodrigo Bolaños, Alexandra Peña, Judith Sarmina, Guillermo De Wit, Enrique Graue-Hernández, Alejandro Navas*

## PO-2106

**Visual rehabilitation in patients with keratoconus using scleral lens: a case report.**

*Carlos Contreras, Efraín Romo, Yolanda Chávez*

## PO-2130

**Weighing of risk factors for penetrating keratoplasty graft failure: application of risk score system and differences between univariate and multivariate analysis**

*Abdo Karim Tourkmani, Valeria Sánchez, Guillermo De Wit, Jaime Martínez, David Mingo, Ignacio Jiménez, Ignacio Mahillo*

## PO-2132

**Corneal dystrophy DNA test as diagnosis for a 6 year old asymptomatic patient with Reis-Bücklers dystrophy**

*Elisa Nieto Torres, Alfredo Terán, Guillermo De Wit*

## PO-2200

**Eficacia y seguridad del entrecruzamiento del colágeno corneal (crosslinking) a 5 años en pacientes con queratocono del Centro Oftalmológico Virgilio Galvis.**

*Álvaro Ortiz, Virgilio Galvis, Alejandro Tello, Néstor Carreño, Rodrigo Barrera, Carlos Rodríguez, Miguel Ochoa*

## PO-2201

**Photodynamic Therapy with Verteporfin combined with subconjunctival injection of Ranibizumab for Corneal Neovascularization.**

*Alexandra Peña, Rodrigo Bolaños, Alejandro Navas, Enrique Graue-Hernández, Judith Sarmina, Guillermo De Wit*



## PO-2217

**Absceso corneal en postoperatorio de implante de Queratoprotesis De Boston Tipo 1.**

*Rubén Berrospi, Juan Abad, Virgilio Galvis, Alejandro Tello, Néstor Carreño, Camilo Niño, Álvaro Ortiz*

## PO-2225

**Interferón Alfa-2B como terapia única o terapia coadyuvante en el manejo de las neoplasias escamosas gigantes de la superficie ocular.**

*Mario Revelo, Virgilio Galvis, Alejandro Tello, Rubén Berrospi*

## PO-2255

**DALK periphery: increasing the chance of big bubble formation with modified air injection technique**

*Lucio Maranhão, Enrique Escurra, Bernardo Cavalcanti*

## PO-2287

**Effect of bevacizumab on human Tenon'S fibroblasts cultured from primary and recurrent pterygium**

*Jong Soo Lee, Young Min Park*

## PO-2304

**The relationships between COL8A2 mutation and biometric measurements in Fuchs' endothelial corneal dystrophy**

*Mansoo Kim, Woong-Joo Whang*

## PO-2337

**Two years follow up of Keraklear kerato-prosthesis**

*Jorge Alio, Ahmed Abdelghany*

## PO-2434

**Keratoconic cone: using its keratometry, decentration and thickness as staging parameters**

*Abdo Karim Tourkmani, Kyaw Lin Tu, Singaram Srinivas*

## PO-2461

**Topographic changes in transepithelial corneal collagen crosslinking for progressive keratoconus: six months of clinical results**

*Dalia Marilyn Rojo, Everardo Hernández, Valeria Sánchez, Manuel Ramírez, Nallely Ramos, Emmanuel Cabrera*

## PO-2462

**Corneal biomechanical parameters during pregnancy**

*Emin Kurt*

## PO-2466

**Dry eye in reproductive & post-menopausal women of the Thar desert: pilot study**

*Devanshi Desai, Ranjana Desai, Sanjiv Desai*

## PO-2511

**Clinical efficacy and safety of a novel matrix-regenerating agent in persistent epithelial defects**

*Yonca Aydin Akova, Basak Bostanci Ceran*



## PO-2533

Randomized, double blind multicenter, clinical trial to assess the safety and efficacy of Xantan gum-chondroitin sulfate preservative free ophthalmic solution, compared to polietilenglicol, propilenglicol, hidroxipropilguar ophthalmic solution in mild to moderate tear film dysfunction syndrome

*Aldo Oregon, Marco Cid, Arie Mercado, Adolfo Rodríguez*

## PO-2536

SLET bilateral con membrana amniótica liofilizada y aloinjerto de familiar vivo relacionado: reporte de un caso

*Yvette Uribe, María Del Carmen Treviño, Valeria Sánchez, Gabriela Navarrete*

## PO-2573

Effectiveness of treatment with plasma rich in growth factors for neurotrophic keratopathies

*Ronald Sánchez*

## PO-2588

Innovation in dry eye clinical design: dream dry eye assessment and management trial

*Penny Asbell, Maureen Maguire, Ellen Peskin, Kathleen Mcwilliams, Brendan Barry*

## PO-2669

Novel TACSTD2 gene nonsense mutation in a family with gelatinous drop-like dystrophy (GDLD)

*Beatriz Buentello, Victor Bouldosa, Alejandro Navas, Arturo Ramírez, Jesús Cabral, Enrique Graue-Hernández, Juan Zenteno*

## PO-2674

Culture of human corneal endothelial cells and xenotransplantation in rabbit eyes

*Argyrios Tzamalís, Nikolaos Chalvatzis, Stavros Dimitrakos*

## PO-2688

Assessment of 3 questionnaires for diagnosis of ocular surface disease in a tertiary care ophthalmology center in Mexico City

*Daniela Álvarez, Jaime Martínez, Nallely Ramos, Everardo Hernández*

## PO-2691

Descemet's membrane endothelial keratoplasty injector

*Michael Banitt, Andrés Bernal, Anne Ko*

## PO-2709

Prevalencia de síntomas de enfermedad de la superficie ocular en pacientes que acuden a consulta oftalmológica en Mexico

*Paola De La Parra, Óscar Del Razo, Nicolás León, Karen Hernández, Gerardo García-Aguirre, Juan Carlos Ochoa, Manuel Garza*

## PO-2763

Caso de miásis conjuntival en paciente pediátrico

*Karen Hernández*

## PO-2790

Tejido corneal procurado en el Hospital General De Mexico 'Dr. Eduardo Liceaga'

*Berenice Bermúdez, Leticia Maya, Karla Paola García*



## PO-2802

### Polymicrobial keratitis, a case report

*Gerardo Villarreal, Julio Alatorre, Karim Mohamed, Jesús González, Jesús Mohamed Hamsho*

## PO-2848

### Autotrasplante de cornea, reporte de un caso

*Jorge Pacheco, Manuel Sáenz De Viteri, Melis Del Carmen Anaya*

## PO-2897

### Biological activity of $\alpha$ -MSH and VIP in the induction of CD4+ CD25+ FOXP3+ cells in allergic conjunctivitis patients.

*Jorge Galicia*

## PO-2902

### A repeat-measure analysis of dry eye symptoms, signs and demographics in a population of patients with dry eye

*Mirian Dang*

## Education

## PO-703

### The Eye, atlas anatomical history

*Héctor Barajas*

## PO-807

### An evaluation of the danish cataract surgery education program

*Danson Muttuvelu, Carl Uggerhøj Andersen*

## PO-959

### Objective surgical skill assessment and targeted feedback for capsulorhexis

*Shameema Sikder, Austin Reiter, S. Swaroop Vedula*

## PO-1062

### E-learning program to improve performance in brazilian ophthalmology board examination

*Keila Carvalho, Mauro Nishi*

## PO-1472

### Statistical prediction of academic achievement of university students: the case of Hawassa University, Ethiopia

*Gizaw Fulas*

## PO-1508

### Stereoacuity in ophthalmologists, ophthalmology residents and ophthalmology residency applicants

*Christian Pinkus*

## PO-2050

### Evaluation of competence of medical students in performing direct ophthalmoscopy

*Emmanuel Megbelayin*



## Evidence-Based Medicine

### PO-2058

Uso de radiaciones gamma como método de conservación y fijación de ojos de cerdo (*Sus Scrofa Domestica*) con fines docentes.

*María Elena Vergara, Sebastián Laza, Natalia Montes, Daniela Quintana, Silvana De León, Juan Gambini, Pablo Cabral*

### PO-2641

The Global Ophthalmology Awards Program (GOAP) from Bayer Healthcare: supporting research and education in retinal ophthalmology to enhance patient care

*Jennifer Pluim*

### PO-2680

Llegando a los más necesitados a través de compartir un modelo social auto-sostenible.

*Juan Yee*

### PO-2843

Análisis de la atención de urgencias oftalmológicas en el sistema ISSEMYM

*Efrén Muñoz, Jorge Ozomo, Jans Fromow, Venus Medina*

### PO-2876

2400 BC in Egypt: Iry, the first ophthalmologist

*Sibylle Scholtz, Mohamed Shafik Shaheen, Ahmed Assaf, Mary Attia, Florian Kretz, Gerd Auffarth*

### PO-487

Effects of fasting on intraocular pressure in a black population

*Michaeline Isawumi, Mustapha Hassan*

### PO-588

Diabetic retinopathy progression from no retinopathy to NPDR within 12 weeks after phacoemulsification in type - 2 diabetic patients - prospective study

*Muntasir Bin Shahid, Shahnoor Hasan, Showkot Kobir, Sharfuddin Ahmad*

### PO-1935

Prevalence of eye traumas among the children and teenagers in Azerbaijan

*Rana Aghayeva, Zlata Rasulzade*

### PO-2768

Intracorneal Ring Segments' Centering in Keratoconus

*Joaquín Verduzco, Irma Huerta*

## Eye Care Delivery

### PO-562

Using big data in ophthalmology: a case report from an european university eye hospital

*Karsten Kortüm, Michael Müller, Simon Leicht, Anselm Kampik, Thomas Kreutzer*



## PO-1027

**Use of a portable fundus camera in setting up a diabetic retinopathy screening programme in Uganda**

*Terry Cooper, Clare Davey, Moses Kasadhakawo, Tina Khanam, Clémentine Casafina, Ana Da Encarnação Mendonça*

## PO-1052

**Ergonomic in preventing work related musculoskeletal disorders in ophthalmic practice**

*Waleed Alrashed*

## PO-1266

**Twenty first century newer barricades for delivery of free cataract surgery services in India**

*Lavanya Rao, Sulatha Bhandary, Rajani Devi, Krishna Rao, Sameer Iqbal*

## PO-1442

**Review of the activities of Vision 2020: Andhra Pradesh Right to Sight Society (APRTSS), Andhra Pradesh, India**

*Srinivasa Pallerla*

## PO-1610

**Evaluation of post-operative visual function and quality of life outcomes following phacoemulsification: a hospital-based study in Bangladesh**

*Nahid Ferdousi, Ahm Enayet Hussain*

## PO-1722

**Did National Eye Health Care Program benefited by using World Health Organization recommended 'Tool For The Assessment Of Diabetic Retinopathy And Management Systems' (TADDS) in Oman?**

*Rajiv Khandekar, Saleh Al-Harby, Abdulatif Al-Raisi*

## PO-2292

**Patient empowerment - looking forward**

*David Sousa, Inés Leal, Helena Filipe*

## PO-2359

**Mobile eye clinic: an alternative to improve access to eye care for brazilian unified health system.**

*Larissa Satto, Flavio Hirai, Silvana Schellini*

## PO-2809

**"Prevention of blindness due to diabetic retinopathy by strengthening the capacity of Peru's Regional Institute Of Ophthalmology (IRO)" ORBIS - IRO Trujillo- Perú. First report**

*Rosa Adrianzén*

## PO-2831

**Knowledge, attitudes and beliefs of cataract surgery among mayan communities in Quintana Roo, Mexico**

*Juan Pablo Olivares, Patricia Amezquita, Blanca Figueroa, Jonathan Lowenberg, Omar Honerlage*



## Eye Trauma and Emergencies

### PO-432

Treatment and prevention of hypotony with intraocular injection of viscoelastic

*Shu Du, Xun Yang*

### PO-446

Banger-related ocular injuries during new year festivities in Osogbo, SW Nigeria

*Michaeline Isawumi, Caroline Adeoti*

### PO-550

Intraocular pressure feedback mechanisms and utilizations

*Xun Yang*

### PO-552

Fragile glaucoma: a type of refractory secondary glaucoma with drastic fluctuation of intraocular pressure

*Xun Yang, Shu Du*

### PO-553

Negative feedback of IOP in hypotony: the role of intraocular macromolecules

*Shu Du, Xun Yang*

### PO-641

The epidemiology of ocular trauma in Oman (a middle eastern nation)

*Haitham Al Mahrouqi, Kishore Hanumantharayappa*

### PO-763

One month outcome of ocular related emergencies in a tertiary hospital in central Saudi Arabia

*Abdullah Alotaibi*

### PO-929

Optic nerve partial avulsion in blunt trauma

*Virginia Martínez, José Ramón Ponce, Sergio Herrero*

### PO-1040

Idiopathic orbital and periorbital tissues compartment syndrome

*Ona Garlaite, Egle Svalbonaite, Laura Arbatauskyte, Giordano Fanton*

### PO-1048

Ocular complications of laser depilation

*Merih Soylu, Saadet Arslan, Altan Özcan*

### PO-1051

Closed-chamber iridodialysis repair: case series

*Chang-Ping Lin*

### PO-1255

Long term ocular effects of compressive gas injury-a rare case

*Sri Gautham Bodduluri, Radha Annamalai, Shantha Sruthi M, Mohamed Anjum Iqbal*



## PO-1400

**Agujero macular traumático: manejo expectante contra vitrectomía pars plana. Estudio retrospectivo.**

*Elisa Nieto, Alan Ricardo Alba, Gerardo García-Aguirre*

## PO-1453

**A successfully treated case of Aspergillus Flavus fungal keratitis caused by stale bread corneal injury.**

*Tariq Aldebasi, Abdulkareem Albekairy, Abdulmalik Alkatheri, Yazeed Alferayan, Abdullmajeed Al-Fakhri, Thamer Alenazi*

## PO-1454

**Deadly weapon-related open-globe injuries of a combat zone in Turkey: a 15-year review**

*Ali Durukan, Soner Guven, Murat Kucukevcilioglu, Cuneyt Erdurman, Gokhan Ozge*

## PO-1470

**To evaluate ocular manifestations in head injury patients.**

*Sushma J, Mathew James*

## PO-1482

**Demographics, clinical features, and prognosis of patients with eye trauma from a tertiary referral center**

*Selcuk Sizmaz, Ebru Esen, Ezgi Mavigok, Nihal Demircan*

## PO-1545

**Prognostic factors and validation of ocular trauma score in open globe injury cases of rural India**

*Sneha Agrawal, Rekha Khandelwal, Dhrubojyoti Saha, Dhananjay Raje*

## PO-1693

**Ruptured eye globe with minimal trauma, manifestation of Ehlers-Danlos Syndrome Type VI.**

*Rocío Zamora, Vianney Cortés, Rocío Villafuerte, Cristina Villanueva, Samantha Salinas*

## PO-1762

**Fate spare me vision, i was innocent**

*Sneha Agrawal, Rekha Khandelwal, Dhrubojyoti Saha, Sumit Gupta, Geeta Chandwani, Anuraag Singh, Arpita Sthapak*

## PO-1771

**Open globe eye injuries: characteristics, visual outcomes and prognostic factors affecting visual acuity**

*Faruk Ozturk, Melek Tufek, Pinar Nalcacioglu, Omur Demirtas, Mehmet Teke*

## PO-1828

**Tape ball cricket eye injuries in Karachi, Pakistan**

*Salman Sadiq, Azam Ali, Khabir Ahmad*





## PO-1858

**Case presentation of successful management of gas explosion resulting with bilateral corneal carbon particles foreign bodies in a nigerian male**

*Festus Oshoba*

## PO-1957

**Características Clínicas, Hallazgos Fluorangiográficos y Tomográficos en un Caso con Retinopatía de Purtscher**

*Mayela Olazabal, José Luis Rodríguez-Loaiza, Salvador López-Rubio, Ana López-Venegas*

## PO-1979

**The choroidal thickness in the parapapillar region in patients with severe blunt eye injuries**

*Natalia Grubnyk, Tatyana Krasnovid*

## PO-2046

**Trauma ocular en festividades mexicanas: frecuencia, manifestaciones clínicas, tratamientos y desenlaces.**

*Arturo Hernández, Juan Carlos Serna, Jonathan Quevedo, María Álvarez*

## PO-2232

**Ocular trauma in women: mechanisms of injury and the role of intimate partner violence**

*Erin Shriver, Ali Cohen, Pamela Carter, Thomas Clark*

## PO-2422

**Sports related orbital fractures in Singapore**

*Jing Zhan Lock, Gangadhara Sundar*

## PO-2477

**Pattern of occupational eye injuries in industrialized region of Turkey**

*Sertac Argun Klvánc, Berna Akova Budak, Mehmet Baykara, Ahmet Ali Yücel*

## PO-2499

**Visual impairment and blindness following pediatric open globe injury and related factors**

*Berna Akova Budak, Sertac Argun Klvánc, Ahmet Tuncer Özmen, Mehmet Baykara*

## PO-2513

**UV protection habits – to cover or NOT to cover... the eyes ...**

*Dimitar Grupchev, Teodora Marinova, Christina Grupcheva*

## PO-2649

**Trauma de segmento anterior con involucro de cristalino: experiencia en APEC**

*Lourdes Fernández, Susana Peniche, Karime Pérez*



## Glaucoma

### PO-333

**Effects of atmospheric pressure changes on dynamic contour tonometry and Goldmann applanation tonometry in normal individuals: a pilot study**

*Óscar Albis, Brenda Rodríguez, Shibal Bhartiya, Ellery López, Paulina Ramírez, Pamela González*

### PO-407

**Presencia de glaucoma primario de ángulo abierto en los pacientes con enfermedad tiroidea**

*Sandra Dixon*

### PO-473

**Evaluation of filtering blebs post-glaucoma surgery with a posterior-segment swept-source optical coherence tomography**

*Elena Milla*

### PO-516

**Refractory pediatric glaucoma treated with trabeculectomy supplemented with a high dose of Mitomycin-C**

*José Paczka, Luz Giorgi, Myriam Ramos*

### PO-542

**Mini glaucoma device surgery in the treatment of post-keratoplasty glaucoma: 24 months follow-up**

*María García, Lulú Ululani Gurría, Curt Hartleben, Alejandro Navas, Enrique Graue-Hernández, Jasbeth Ledesma*

### PO-558

**Prevalence, incidence and risk factors for the development of elevated intraocular pressure following penetrating keratoplasty**

*Shantha Balekudaru, Ronnie George, Vijaya Lingam, Prema Padmanabhan, Siddharth Sheth*

### PO-589

**Comparative study of intraocular pressure (IOP) in bangladeshi individuals by contact and non-contact technique**

*Muntasir Bin Shahid, Wasek Bin Shahid*

### PO-648

**Novel microshunt that uses the SIBS material in the surgical management of uncontrolled glaucoma, 4-year follow up data**

*Juan Battle*

### PO-678

**Control of intraocular pressure after Ahmed Valve implant in patients with penetrating keratoplasty, a retrospective ten-year study**

*Pamela Cepeda, Alejandro Navas, David Islas, Jasbeth Ledesma*

### PO-701

**Glaucoma before and after Boston Type I Keratoprosthesis implantation: clinical characteristics and management with glaucoma valve surgery**

*Jasbeth Ledesma, Juan Carlos Serna, Alejandro Navas, Arturo Ramírez, Enrique Graue-Hernández*



## PO-781

### Visión binocular en el glaucoma primario de ángulo abierto

*Sandra Dixon, Jennifer Montoya*

## PO-834

### Negligent steroid-induced glaucoma in a young girl

*Pavel Flores, Margot Brechtel*

## PO-890

### Comparison of data of short -wavelength automated perimetry (SWAP) and Heidelberg retina tomography (HRT III) glaucoma module in primary open angle glaucoma

*Halit Oguz, Abdulgaffur Bata, Tugba Goncu*

## PO-906

### Evaluation of the microstructures of the trabecular pathway in angle closure using high definition anterior segment OCT

*Alfredo Castillejos, Jesús Jiménez-Román, Natalie Juárez, Gabriel Lazcano*

## PO-941

### Parietal lobe atrophy in primary angle glaucoma: preliminary findings

*Mohammad Hanafiah, Marymol Koshy, Bushra Johari, Nur Ismaliza Ismail, Hazlenah Hanafiah, Sushil Vasudevan*

## PO-945

### Criteria of Morphometric Glaucoma Diagnosis in Myopic eyes

*Alyona Kazakova, Erika Eskina*

## PO-961

### Profundización del surco palpebral y atrofia de la grasa periorbitaria secundaria al uso tópico de análogos de prostaglandinas. Reporte de 3 casos.

*Laura Ramírez, Diana De Los Ríos, Leticia Plaza*

## PO-1004

### Repeated disc hemorrhage in a patient with normal tension glaucoma status post renal transplant

*Aparna Rao*

## PO-1013

### Comparison of Corvis ST Tonometer (CST) to other tonometer and clinical usefulness of Corvis ST Tonometer

*Seung Joo Ha, Young Shin Kim, Dae Hyun Park*

## PO-1021

### A glaucoma masquerade-renal coloboma syndrome

*Elfride Sanjana, Sri Gautham Bodduluri*

## PO-1060

### Non-penetrating glaucoma surgery results in patients with steroid-induced glaucoma after intravitreal dexamethasone implantation

*Cem Kucukerdonmez, Esat Cinar, Mehmet Zengin, Halil Ates*



## PO-1061

### Circadian intraocular pressure fluctuation and disease progression in primary angle closure glaucoma

*Ellen Shaoying Tan, Clement Tham*

## PO-1086

### Forty-two-month outcome of phacocanaloplasty in patients with concomitant advanced pseudoexfoliation glaucoma and cataract

*Jamil Hasanov*

## PO-1088

### Cost-effectiveness medical IOP-lowering treatment study in patients with moderate and advanced primary-open glaucoma (multicenter study)

*Ilmira Gazizova, Laura Aбыsheva, Román Avdeev, Alexander Basinsky, Alena Blyum, Andrei Brezhnev, Dmitrii Dorofeev, Olesya Gaponko, Victor Garkavenko, Anna Gusarevitch, Alexander Kuroyedov, Victoria Ogorodnikova, Sergey Petrov, Pavel Zavadsky, Yuliya Razhko*

## PO-1092

### Receptor-targeted liposome-peptide-siRNA nanoparticles represent a novel and efficient siRNA delivery system to prevent conjunctival fibrosis.

*Cynthia Yu Wai Man, Stephen L. Hart, Peng T. Khaw, María Manunta, Aristides Tagalakis*

## PO-1102

### Glaucoma secundario de mecanismo mixto secundario a melanocitoma de iris

*Ariel Prado, Jiny Tatiana Camas*

## PO-1119

### Femtosecond laser cataract surgery: experience in glaucoma patients

*Carolina Prado, Rafael Castañeda, Magdalena García, Jesús Jiménez-Arroyo, Jesús Jiménez-Román*

## PO-1126

### The comparison of diagnostic criteria in glaucoma monitoring

*Natalia Kuryшева, Olga Parshunina, Ekaterina Shatalova*

## PO-1128

### The impairment of blood supply to the eye in primary open angle glaucoma associated with age macular degeneration

*Natalia Kuryшева, Olga Parshunina, Ekaterina Shatalova*

## PO-1137

### Trabeculectomy versus Ex-Press implantation in patients with primary open-angle glaucoma: 5-year outcomes

*Yuliya Razhko, Ihar Hlushniou*

## PO-1141

### Reproducibility of visual field and visual acuity in glaucoma patients

*Masato Matsuura, Kazunori Hirasawa, Hiroshi Murata, Ryo Asaoka*

## PO-1174

### Análisis retrospectivo de glaucomas asociados a cristalino en la Asociación Para Evitar La Ceguera En Mexico

*Alejandra Hernández, Magdalena García, Rafael Castañeda, Armando Castillejos, Mariana Mayorquín, Jesús Jiménez-Román*



## PO-1212

**The significance of corneal biomechanical properties in normal tension glaucoma patients with initial visual field defect using ocular response analyzer**

*Bo Ram Lee, Yu Jin Cheong, Kyung-Eun Han, Ah Young Kim, Kyu-Ryong Choi*

## PO-1216

**Comparative study between two transscleral diode laser cyclophotocoagulation protocols: fixed 2000 Mw burns versus titrated 1100-1900Mw burns based on audible pops**

*Pedro Mario González, Ángelina Espino, Alejandro Rodríguez, Marcelo Stevenson*

## PO-1219

**Association between intraocular pressure elevation and anterior chamber depth during robot-assisted radical prostatectomy in the steep Trendelenburg position**

*Masaharu Mizuno, Kunihiko Akiyama, Yoshinobu Mizuno, Masaki Fukui, Choichiro Ozu, Shiro Saito, Toru Noda*

## PO-1269

**Diurnal variations of intracranial, intraocular and ocular perfusion pressures in young healthy subjects**

*Lina Siaudvytyte, Ingrida Januleviciene, Akvile Daveckaite, Arminas Ragauskas, Alon Harris*

## PO-1276

**Role of selective laser trabeculoplasty in post laser iridotomy patient with high IOP, off medication in angle closure glaucoma**

*Surishti Raj, Sushmita Kaushik, Surinder Pandav, Basavaraj Tigari*

## PO-1319

**Automated layer thickness measurements of DRI OCT-1 one-micron swept source OCT on normal and glaucoma datasets**

*Qi Yang, Charles Reisman, Ying Lucia Dong, Kinpui Chan*

## PO-1365

**Esclerectomía profunda no penetrante versus trabeculectomía en pacientes mexicanos con glaucoma de ángulo abierto**

*Natalie Juárez, José Hernández, Carlos Andrés Valdés, Armando Castillejos, Jesús Jiménez-Román*

## PO-1387

**Correlación entre campimetría automatizada Humphrey y grosor mínimo de borde de disco óptico a membrana de Bruch con OCT Stratus en pacientes con glaucoma.**

*Janneth Quispe, José Francisco Ortega, Alfonso García*

## PO-1397

**Efectos del uso de tapón lagrimal sobre la presión intraocular y los parámetros de ojo seco en pacientes con GPAA en monoterapia con Latanoprost.**

*Claudia Cortés, Gabriel Lazcano, Natalie Juárez, Jesús Jiménez-Román*

## PO-1413

**Polisomnografía y mapa como auxiliares Diagnósticos en glaucoma de tension normal**

*Lesly Carrillo, Óscar Albis*



## PO-1420

### Role of bile acids in the pathogenesis of glaucoma

*Sushil Vasudevan, Zakaria Bannur, Mohd Zaki Salleh, Lay Teh*

## PO-1446

### Diagnosis and management of malignant glaucoma at a tertiary eye institute of north India.

*Surishti Raj, Ankur Singh, Sushmita Kaushik, Surinder Pandav*

## PO-1479

### Using ultrasound biomicroscopy to evaluate changing in anterior segment morphology after laser peripheral iridotomy to prevent primary angle closure glaucoma

*Hien Nguyen, Thanh Pham*

## PO-1500

### Canaloplasty results in the Mexican Institute Of Ophthalmology from august 2013 till may 2015.

*Nadia Ríos, Mariana Badillo, Magda Martínez, Óscar Albis, Doris Ponce De León*

## PO-1534

### Comportamiento del ángulo iridocorneal en pacientes con aceite de silicona

*Manuel De Alba, Jesús González, Carlos Romo, Carlos Azuara, Juan José Toledo, Valeria Zapata, Jaime Dávila, Josué Lozano, Hugo Treviño, Alejandro Martínez, Jesús Mohamed Hamsho*

## PO-1567

### Early outcomes and safety of the CO<sub>2</sub> laser-assisted sclerectomy surgery (CLASS) for open-angle glaucoma treatment

*Carlo Enrico Traverso, Alessandro Bagnis, Carlo Alberto Cutolo, Riccardo Scotto*

## PO-1568

### Endothelial cell changes secondary to Ahmed Valve implant

*Sara Michel, María García, Magdalena García, Ángela Garcés, Jesús Jiménez-Román*

## PO-1650

### Uso de LIO tórico en pacientes operados de facoemulsificación de cristalino y trabeculectomía, resultados al año de seguimiento

*Ángela Garcés, Rafael Castañeda, Carolina Prado, Jesús Jiménez-Román, María Zavala*

## PO-1739

### Long-term outcomes of trabeculectomy for secondary glaucoma in patients with Transthyretin-related familial amyloidotic polyneuropathy

*Takahiro Kawaji, Hidenobu Tanihara, Tomoki Sato*

## PO-1750

### A W shaped combined trabeculectomy and cataract surgery with PCIOL can rehabilitate patients with cataract and glaucoma at minimal cost, less than 10USD, with good results

*Manisha Rathi, Chand Dhull, Jitender Phogat, Sumit Sachdeva*



## PO-1793

**Intraocular pressure versus different head positions in ophthalmic patients in Calabar, Nigeria**

*Sebastián Nwosu, Anya Kalu*

## PO-1796

**Data augmentation for predicting future visual field**

*Hiroshi Murata, Ryo Asaoka*

## PO-1797

**Bilateral acute angle closure glaucoma following snake bite - a case report**

*Andrew Braganza*

## PO-1842

**Transcultural validation of the 15-item glaucoma quality of life questionnaire (GQL-15) for mexican population**

*Lizbeth Ordóñez, Jesús Jiménez-Arroyo, Magdalena García, Jesús Jiménez-Román*

## PO-1845

**Case report: pigment dispersion syndrome and glaucoma with concurrent mesodermal goniodysgenesis**

*Lissete García, Oscar Albis, Nadia Ríos*

## PO-1846

**Collagen crosslinking in the management of leaking cystic bleb: a perspective case series**

*Nga Kwan Choy*

## PO-1872

**Ocular surface disease and glaucoma - are preservative free anti glaucoma medications the need of the hour ?**

*Elfride Sanjana, Yamuna Pandiyan*

## PO-1905

**Open-angle glaucoma mexican patients treated with canaloplasty: 12-month post-operative report from a 5-year follow-up.**

*Ángeles Ramos, Margot Brechtel, Armando Castillejos*

## PO-1923

**Intracameral bevacizumab to augment trabeculectomy**

*Eldar Rosenfeld, Shimon Kurtz, Gabi Shemesh*

## PO-1963

**Incidence and grades of arcus senilis among glaucoma patients on and without (normal) oral statin therapy**

*Sriram Sonty, Sarita Deshpande*

## PO-1970

**Resolución de retinosquiasis central después de cirugía filtrante para glaucoma**

*Álvaro Abelenda, Andrea Merrone*

## PO-1980

**Approaching a complicated case of closed angle glaucoma, experience on a clinical case**

*Alejandro Silva, Ángeles Ramos*



## PO-1999

**Small capsulorhexis decreases the post-operative intraocular pressure: preliminary results**

*Muhsin Eraslan, Osman Çekiç, Eren Çerman, Samet Gülkaş, Adil Deniz Duru*

## PO-2007

**Epidemiología de pacientes mexicanos con glaucoma neovascular**

*Ana Martínez, Gabriel Lazcano, Jesús Jiménez-Román*

## PO-2014

**Cataract surgery combined with trabecular micro bypass Stent implantation in patients with open angle glaucoma, 3 year follow-up**

*George Beiko*

## PO-2015

**12-month IOP results after canaloplasty according to preoperative diagnosis of primary open angle glaucoma (POAG), pseudoexfoliative glaucoma or pigmentary glaucoma.**

*Monika Lazicka Galecka, Tomasz Galecki, Anna Kaminska, Jerzy Szaflik, Jacek Szaflik*

## PO-2025

**Caracterización del paciente con glaucoma primario de ángulo abierto en población mexicana.**

*Luis Aguilar, Daniel Ochoa, María García, Elizabeth Martínez, Pablo Urzúa*

## PO-2036

**Three year follow up of a micro lumen aqueous humor shunt**

*José Martínez, Isabelle Riss, Juan Batlle, Jean-Marie Parel*

## PO-2053

**Comparison of intraocular pressure measurements in healthy subjects taken by rebound tonometry, dynamic contour tonometry and applanation tonometry at a hospital in Mexico City**

*Alejandra Hernández, Mariana Escalante, Jesús Jiménez-Arroyo, María Eugenia Gilbert, Magdalena García*

## PO-2093

**Eficacia del implante de Baerveldt en el glaucoma refractario**

*Juan Carlos Izquierdo, Leslie Rodríguez, Lukas Saldarriaga*

## PO-2100

**Trabeculoplastia selectiva laser como primera línea de tratamiento en el programa boliviano de prevención de ceguera por glaucoma**

*Manuel José Justiniano*

## PO-2167

**Foseta óptica: reporte de caso.**

*Rubén Medellín, Ricardo Chávez, Karla Chávez, Efraín Romo*





## PO-2169

**Correlation between FDT Matrix and OCT (RTVUE) In glaucoma, healthy and glaucoma suspects**

*María Eugenia Gilbert, Gabriela Berumen, Francisca Domínguez, Magdalena García*

## PO-2197

**Early glaucoma screening using the ibopamine provocative test**

*Francisca Domínguez*

## PO-2247

**Evaluación clínica del destechamiento de la vesícula de filtración para el adecuado control de la presión intraocular en pacientes con implante de válvula de Ahmed. Resultados a un año de evolución.**

*Tania Morón, Itzel Pérez, Jesús Jiménez-Arroyo, Magdalena García, Jesús Jiménez-Román*

## PO-2254

**To assess differences in optic disc parameters between American Japanese and American Chinese using Heidelberg Retinal Tomograph III**

*Ye Wang, Toshimitsu Kasuga, Yingjie Li, Rebecca Chen, Shan Lin*

## PO-2256

**Incidencia de glaucoma en pacientes con ángulo estrecho sometidos a iridotomía: revisión sistemática y metanálisis**

*Yuly Castellanos, Juan José Miro, Juan Parra, Carlos Ríos*

## PO-2266

**Efficacy and safety of non-penetrating glaucoma surgeries in patients with advanced pseudoexfoliative glaucoma**

*Faisal Almobarak*

## PO-2279

**Unusual uses of biodegradable collagen matrix implant in glaucoma**

*Momen Hamdi*

## PO-2283

**Intraocular pressure and inflammation after ex-press glaucoma filtration device surgery**

*Kyoko Ishida, Naoya Moroto, Tetsuya Yamamoto*

## PO-2368

**Bone marrow derived mesenchymal stem cells are differentiating to ganglion-like cells in rat glaucoma model induced by polystyrene microspheres: flow cytometry and immunofluorescence microscopy study**

*Muhsin Eraslan, Eren Çerman, Ülkü Arıç, Cansu Subaşı, Erdal Karaöz, Tunç Akkoç*

## PO-2396

**Express P200 implantation efficacy in patients with refractory glaucoma – 18 months follow-up**

*Tomasz Galecki, Monika Lazicka Galecka, Anna Kaminska, Jerzy Szaflik, Jacek Szaflik*



## PO-2416

**Nail fold capillaroscopy by USB digital microscope in glaucoma: an innovative and inexpensive tool**

*Avadhesh Oli*

## PO-2549

**Finding pseudoexfoliation during cataract work-up: is there a clear and present danger every time?**

*Shantanu Mukherji*

## PO-2597

**¿Modifica la cirugía filtrante la tasa de progresión de los campos visuales?**

*Miriam Ayala, Alfonso Anton, Josefina Reñones*

## PO-2630

**¿Cómo realizar metódicamente la revisión y evaluación del nervio óptico al hacer la valoración del fondo de ojo en la lámpara de hendidura?**

*Jorge Topete*

## PO-2662

**Bevacizumab como adyuvante en la modulación de la cicatrización en la trabeculectomía en comparación con Mitomicina C.**

*María Sánchez, Camelia Rosales, Elizabeth Mundo, Francisca Domínguez*

## PO-2686

**Ciclotocoagulación endoscópica en glaucoma refractario**

*Edgar Javier Infantes, Álvaro Fidalgo*

## PO-2705

**Five year data of excimer laser trabeculostomy (ELT) alone and ELT combined with phacoemulsification**

*Michael Berlin*

## PO-2708

**Characteristics of ocular surface disease in glaucoma patients using anti-glaucoma medication**

*Sang Yeop Lee, Hyoung Won Bae, Gong Je Seong, Chan Yun Kim*

## PO-2770

**Analysis of the influence of diabetic mellitus on the development of primary glaucoma**

*Zhuo Chen, Ying Li, Jenn Jeang, Emelike Agomo, Xin Tang*

## PO-2847

**Comparison between the Ex-Press P-50 implant vs trabeculotomy in patients with open angle glaucoma**

*María Elena Mendoza, Ana López, Gerardo Valdés*



## PO-2909

**Clinical experience with glaucoma drainage device in developing country.**

*Adunola Ogunro, Oluwabunmi Ashano, Ayodele Hariman, Olufemi Oderinlo, Adekunle Hassan, Ogugua Okonkwo*

## PO-2910

**Efficacy and safety of trans-scleral cyclo-photocoagulation in management of patients with uncontrolled intraocular pressure**

*Adunola Ogunro, Folake Irojah, Adekunle Hassan*

## Interdisciplinary

### PO-618

**Vínculo entre factores emocionales y síntomas oculares y su percepción en la relación médico-paciente en el Hospital Fray Junípero Serra de Tijuana**

*Vilma Valdéz*

### PO-858

**Medical ophthalmology - an exciting and emerging interdisciplinary speciality**

*Nima Ghadiri*

### PO-1069

**Síndrome De Pfeifer en recién nacido con prolapso ocular, caso clínico.**

*Miriam Becerra, Lidia Álvarez, Emma Teresa Villaseñor, Luis Javier Cárdenas, Lucero Cruz*

## PO-1257

**Variant ophthalmic signs as the initial presentation in the diagnosis of Alagille Syndrome**

*Shantha Sruthi M, Radha Annamalai, Sri Gautham Bodduluri, Mohamed Anjum Iqbal*

## PO-1330

**Corneal confocal microscopy and optical coherence tomography for evaluation of the subbasal corneal nerve plexus and retinal layers in pediatric patients with diabetes type 1 or chronic kidney disease in comparison to age and sex-matched healthy volunteer**

*Oliver Stachs, Aline Götze, Rudolf Guthoff, Keyserling Sophie, Dagmar Fischer*

## PO-1390

**Incidencia de síndrome de pseudo-exfoliación y su asociación con alteraciones cardiovasculares**

*Miguel Zepeda, Jaime Lozano, Claudia Palacio, Leticia Arroyo, Cristina Mendoza, Óscar Guerrero, Carolina Orea*

## PO-1510

**Prevención de ceguera en la población de Pinar Del Rio. Cuba 2006-2015**

*José Moreno*

## PO-1550

**MDEyecare v/s digital cameras on detection of abnormal red pupillary reflex**

*María Manquez*



## PO-1706

### Knobloch syndrome associated with terminal transverse defect

Ana García, Vianney Cortés, Rocío Villafuerte, Cristina Villanueva

## PO-1711

### Ocular features in nevus sebaceous of Jadassohn Syndrome: series of cases and review.

May Cadena, Lorena Zendejas, Cristina Villanueva

## PO-1850

### Intraocular pressure changes after peribulbar anesthesia with and without ocular compression using an ocular compression device.

Temitope Ewete

## PO-1870

### Síndrome de Bloch - Sulzberger (Incontinencia Pigmenti). Caso clínico

Gerardo Rivera, Renata García, Miguel Vázquez, Verónica Romero, Betsabé Urías

## PO-1939

### Síndrome de Kearns-Sayre: manifestaciones oftalmológicas

Carlos Andrés Valdés, Cristina Villanueva, Abelardo Rodríguez, Vianney Cortés

## PO-1948

### Síndrome de Cogan atípico; manifestaciones oculares y catarata, caso clínico.

Laura Ray Saucedo, Héctor Cruz, Miriam Becerra, Emma Teresa Villaseñor, Sandra Partida, Lucero Cruz

## PO-1981

### Ocular manifestation and retinal vascular findings in severe familial hypercholesterolemia patients

Rola Hamam, Jean Chalhoub, Mohamed Hamam, Alaa Bou Ghannam, Akl Fahed

## PO-2166

### Preceptorship: actividad clínico – académica para pacientes con síndrome de Hunter en la Fundación Cardioinfantil De Bogotá

María Hernández

## PO-2571

### Malignant hypertension in a case of rheumatoid arthritis presenting with cataract

Shantanu Mukherji

## PO-2602

### Ocular Argyrosis - case report

Monika Sarnat-Kucharczyk, Ewa Mrukwa-Kominek

## PO-2780

### La retinopatía del prematuro, ¿una discapacidad prevenible que deberíamos analizar a la luz de los derechos humanos?

Pamela González

## PO-2823

### Vitrectomía o postvitrectomía más implantes válvulares, perlas para optimizar el procedimiento combinado

Marco Vinicio, Jesús Martín



## Low Vision and Rehabilitation

### PO-525

#### Advocacy for low vision

*Mildred Fromow*

### PO-761

#### Comparison of measured functional field score (FFS) Using Goldmann III-4E and the estimated FFS using the average of Goldmann V-4E and I-4E

*Mieko Yanagisawa, Makiko Ochiai, Satoshi Kato, Megumi Kobayashi*

### PO-894

#### Functional low vision: initial experience of a tertiary clinic in Nigeria

*Charles Bekibele, Bolutife Olusanya*

### PO-1326

#### Developing of a sonar magnetometer for visually impaired and blind people

*Alberto Haber*

### PO-1401

#### Una mirada a los 10 años de los grupos de rehabilitación de adolescentes, adultos y mayores con discapacidad visual de un servicio universitario.

*Zelia Bittencourt, Mara Gobbis, María Elisabete Gasparetto, Rita De Cassia Montilha*

### PO-1410

#### Vision screening beyond the fovea- the Colenbrander Visual Search Test

*August Colenbrander*

### PO-2091

#### Efectos de la rehabilitación en grupo en la calidad de vida de personas con baja visión mayores de 60 años

*María Elisabete Gasparetto, Zelia Bittencourt, Rita De Cassia Montilha*

### PO-2212

#### Aplicación de clorpromazina retrobulbar en el manejo del ojo doloroso, ciego o con pobre visión.

*Rodrigo Barrera, Álvaro Ortiz, Virgilio Galvis, Alejandro Tello, Miguel Ochoa*

### PO-2420

#### Efficacy of red spectacle lens in improving color perception

*Avadhesh Oli*

### PO-2487

#### A study on the ocular findings and management of differently abled persons -- north-east India

*Himanto Hazarika, Suranjana Hazarika, Dipak Bhuyan*

### PO-2744

#### Groups of relatives as a therapeutic strategy in the work with visual impairment: an interdisciplinary approach

*Rita De Cassia Montilha, Zelia Bittencourt, María Elisabete Gasparetto*



## Neuro-ophthalmology

**PO-662**

**New WHO clinical-pathologic tumor classes presenting with neuroophthalmic manifestations**

*Joyce Mbekeani, Manzoor Ahmed, Hindi Al Hindi, Faisal Al Otaibi, Mohammed Dababo, Mohammed Dogar*

**PO-682**

**Wolframs Syndrome-Case report**

*Nikhil Gandhi*

**PO-710**

**A rare variant of Webino syndrome following an Artery Of Percheron infarct**

*Siddharth Narendran, Kowsalya Balaji*

**PO-790**

**Neuropatía óptica recurrente crónica (CRON): importancia del diagnóstico precoz**

*Tamara Dorado, Leticia Álvarez, José Antonio Cortés, Armando Ramírez, Monica Andion*

**PO-806**

**Fístula carotidocavernosa traumática: a propósito de un caso**

*Wilehaldo Quiñónez, Karla Pimentel, Efraín Romo, José Piña, Cindy Haro*

**PO-850**

**Peripapillary retinal nerve fibre layer (RNFL) thickness measured by optical coherence tomography (OCT) in clinical subtypes of multiple sclerosis (MS)**

*Irmína Jankowska-Lech, Iwona Grabska, Witold Palasik, Barbara Terelak, Jaromir Wasyluk*

**PO-907**

**Chiasmal Syndrome: clinical features in mexican patients; a 5 year review**

*I. Aline Astorga, Juan Carlos Serna, Mayra Suárez*

**PO-915**

**Intracranial hypertension as first manifestation of antiphospholipid syndrome**

*Joyce Mbekeani, Walter Conca*

**PO-956**

**Relation of retinal nerve fiber layer thickness to expanded disability status in multiple sclerosis**

*Andrius Cimbalas, Rimvydas Asoklis, Rasa Kizlaitiene, Ausra Liveikiene, Rasa Strupaite*

**PO-1113**

**Millard Gubler Syndrome post schwannoma resection: A case report**

*Romina Baldivieso, Gerardo García-Guzmán, Marco Hernández, Andrea Ortiz*

**PO-1155**

**Post-infectious Miller-Fisher Syndrome: a case report**

*Ian Daguman*



## PO-1221

**Risk factors associated with nonarteritic anterior ischemic optic neuropathy in young patients at a reference center in Mexico City**

*Laura Andrea Torrado, Mariana Flores, Mayra Suárez*

## PO-1233

**Analysis of clinical etiology in homonymous hemianopia patients: a single-center study**

*Ellen Shaoying Tan, Lei Wang, Shi-Hui Wei*

## PO-1274

**Clinical characteristics of atypical optic neuritis in chinese patients**

*Shi-Hui Wei, Huanfen Zhou, Ellen Shaoying Tan*

## PO-1484

**Clinical review of autoimmune optic neuropathy in indian peninsula**

*Harshit Vaidya, Ambika S*

## PO-1575

**Paquimeningitis hipertrófica idiopática presentada como síndrome de Tolosa Hunt. Reporte de un caso.**

*Verónica Martínez, Alejandro Carranza, Itzel Durand, Eduardo Nares, José Ruíz, Ariadna Silva, Miriam Becerra, Adriana Velasco, Ricardo Jáuregui, Marisol Íñiguez*

## PO-1700

**Nystagmus, an alert sign of brainstem glioma in a pediatric patient: case report**

*Whitney Hardeman*

## PO-1773

**Optic nerve and retina changes 22 years after harmful use of donated Closantel (Flukiver)**

*Rimvydas Asoklis, Aiste Augyte*

## PO-1991

**Síndrome De Terson secundario a cráneo hipertensivo por astrocitoma**

*Jesús Acosta*

## PO-2021

**Síndrome De Foster Kennedy secundario a meningioma del surco olfatorio**

*Alma Márquez*

## PO-2026

**Síndrome de Foster Kennedy asociado a macro adenoma hipofisiario, análisis de un caso y discusión de la literatura.**

*Magda Peña, Enrique Roig, Sonia Cisneros, Guillermo Mendoza, Enrique Zaldívar, Ana González*

## PO-2034

**Papiledema bilateral como presentación inicial de cáncer de pulmón, presentación de un caso y análisis de la literatura.**

*Guillermo Mendoza, Bricia Carlón, Sonia Cisneros, Enrique Roig*

## PO-2078

**Oftalmoplejía externa progresiva crónica: una enfermedad mitocondrial.**

*Itzel Durand, Eduardo Nares, Roberto Delgado, Verónica Martínez, Adriana Velasco, Lauro Coss*



## PO-2125

### Neuritis óptica desmielinizante en un adolescente: un desafío diagnóstico

Jorge Jacinto, Gabriela Baumgarten, Enrique Zaldívar, Diana Arévalo, Enrique Roig, Graciela González

## PO-2140

### Repeatability and diagnostic value of the ice test in the evaluation of ptosis in myasthenia gravis

Jeong-Min Hwang, Jun Young Park, Hee Kyung Yang

## PO-2148

### Ceguera por metanol, reporte de caso de neuropatía óptica metélica

Francisco Malé, Miriam Becerra, Verónica Martínez, Lauro Coss

## PO-2156

### Derivación lumbo peritoneal en pacientes con pseudotumor cerebral refractario al tratamiento médico.

Sebastián Laza, María Elena Vergara, Natalia Montes, Silvana De León, Daniela Quintana, Fernando Martínez

## PO-2202

### Neuromielitis óptica de Devic. Reporte de caso

Claudia Magaña, Luis Gittins

## PO-2205

### Bilateral simultaneous isolated optic neuritis in a woman with immediate allergic reaction to methylprednisolone

Ana González, Verónica Martínez, Diana Arévalo, Marilyn Padilla

## PO-2249

### Devic'S syndrome: a case series of 14 adults

Uriel Moreno

## PO-2428

### A case of total ophthalmoplegia with herpes zoster ophthalmicus

Chandra Sahoo

## PO-2439

### Multifocal photopic negative response (MFPHNR), ganglion cell-innner plexiform layer (GCIPL) and lineal visual sensitivity in patients with optic nerve lesions

Ari Kamei

## PO-2472

### Diagnostical value of antibody definition to visual nerve tissue at optic neuritis

Gavhar Khamraeva

## PO-2493

### Ocular ischemic syndrome in chronic cerebrovascular disease

Dilbar Makhkamova

## PO-2495

### Pupillary response to two concentrations of pilocarpine in chinese tonic pupil patients

Xiao-Ming Li, Shi-Hui Wei





## PO-2539

**Study of visual recovery after IVMP therapy in traumatic optic neuropathy associated with frontal bone injury**

*Jayanta Das*

## PO-2543

**Efficiency of gliatilin in ocular ischemic syndrome.**

*Dilbar Makhkamova*

## PO-2677

**An evaluation of pattern visual evoked potentials referrals to investigate suspected functional vision loss.**

*Riddhi Thaker*

## PO-2743

**Oftalmoplejia internuclear bilateral reversible etiología isquémica, reporte de un caso**

*Luis Gittins, Manuel Escanio*

## PO-2755

**Manifestaciones oftalmológicas en síndrome de Susac, reporte de caso**

*Pablo Baquero, Carolina Ossa, Diana Galvis, Eduardo Polania*

## PO-2766

**Pineoblastoma presenting with bilateral papilledema. A case report.**

*Lisette Tepalcingo, Moisés Nuño, Ana Díaz*

## PO-2836

**Síndrome Pseudofoster Kennedy secundario a neuropatía isquémica óptica anterior arterítica. Reporte de un caso.**

*Gabriela Ibarra, Luz Arce*

## Ocular Imaging

## PO-523

**Predicting anatomical results of surgical treatment of primary full-thickness macular hole**

*Alexander Shpak, Dmitry Shkvorchenko, Ilias Sharafetdinov, Olga Yukhanova*

## PO-628

**Evaluación cuantitativa de cuerpo ciliar en pacientes sanos y con cierre angular en población mexicana**

*Eridani Mayora, Juan Almendarez, Mariana Takane, Wilson Koga, Cristina González*

## PO-679

**Angular structure-assessment in children using anterior segment optical coherence tomography (Visante®), a comparative study**

*David Islas, Enriqueta Hofmann, Gerardo Ledesma, Alejandro Navas, Pamela Cepeda, Jasbeth Ledesma*

## PO-747

**Computed tomography (CT) vs magnetic resonance imaging (MRI) axial length of the eye**

*Adrián Aldrete, Jorge Valdéz*



## PO-805

### Nevo de iris: reporte de caso

*Karla Pimentel, Karla Chávez, José Piña, Efraín Romo, Wilehaldo Quiñónez*

## PO-940

### Application of local configuration pattern for characterization and classification of diabetic retinopathy using digital fundus images.

*Augustinus Laude, Muthu Rama Krishnan, Chua Chua, Joel En Wei Koh, Rajendra Acharya*

## PO-1006

### Evaluación cuantitativa de grosor iridiano en pacientes sanos y con cierre angular en población mexicana

*Eridani Mayora, Dulce Vargas, Mariana Takane, Wilson Koga, Cristina González*

## PO-1197

### Evidence based evaluation of torsional changes after horizontal rectus muscle surgery in pattern strabismus

*Zia Chaudhuri, Pragya Prakash, Rajesh Jain*

## PO-1215

### Presentación atípica de un caso de carcinoma epidermoide de conjuntiva invasor

*Arcelia Del Rocío Villaseñor, Josefina Villalobos, Mariana Mayorquín, Abelardo Rodríguez, Guillermo Salcedo, Eduardo Moragrega*

## PO-1316

### Invasive conjunctival squamous carcinoma (case-report) clinic-echographic-pathologic correlation

*Josefina Villalobos, Mariana Mayorquín, Eduardo Moragrega, Cecilio Velasco, Abelardo Rodríguez, Arcelia Del Rocío Villaseñor*

## PO-1322

### Hallazgos ecográficos en endoftalmitis con silicón intravítreo: reporte de un caso

*Josefina Villalobos, Mariana Mayorquín, Eduardo Moragrega, Luvia Rodríguez*

## PO-1600

### Diagnostic capability and artifact rate of a novel peripapillary retinal thickness parameter for glaucoma using three-dimensional optical coherence tomography volume scans

*Teresa Chen, Edem Tsikata, Yingna Liu, Christian Que, Mustafa Akduman, Ziad Khoueir, Firas Alrekabi, Johannes De Boer, Huseyin Simavli*

## PO-1602

### Diagnostic capability of a novel three-dimensional neuroretinal rim parameter for glaucoma using optical coherence tomography volume scans

*Teresa Chen, Eric Shieh, Ramón Lee, Regina Deluna, Rong Guo, Firas Alrekabi, Ziad Khoueir, Sumir Pandit, Christian Que, Rajini Seevaratnam, Huseyin Simavli, Vivek Srinivasan, Johannes De Boer, Edem Tsikata*

## PO-1658

### Patterns of fundus autofluorescence in central and branch retinal vein occlusions

*Silvia Paz, Efraín Romo, Julio Ceja, David Magaña, Yolanda Chávez, Cindy Haro, Ariana Cinco*



## PO-1703

### Iridocorneal angle in infants: interoperator and intraoperator reliability using spectral domain optical coherence tomography

*J. Eduardo Orozco, Jaime Martínez, María Martínez, Linda Cernichiaro, Jesús Jiménez-Arroyo, Jesús Jiménez-Román*

## PO-1732

### Spectral-domain optical coherence tomography of the fluorescein angiographic leak in central serous chorioretinopathy

*Sugandha Goel, Neha Goel*

## PO-1920

### Estudio comparativo del efecto del tipo y poder del lente de contacto blando usado durante la medición del grosor macular central medido mediante dos tecnologías de tomografía de coherencia óptica de dominio espectral

*Victoria González, Andrea Cárdenas, Vidal Soberón, Gerardo García-Aguirre, Virgilio Morales, Manuel Garza*

## PO-1940

### Quistes iridianos en paciente pediátrico: reporte de un caso

*Claudia Margarita Ascencio, Ana Raquel Ruiz, Luis Javier Cárdenas, Marisol Íñiguez, Vanessa Bosch, Juan Carlos Juárez, Emma Teresa Villaseñor*

## PO-1997

### Fundus autofluorescence patterns in optic nerve melanocytoma. Report of two cases.

*Yolanda Chávez, Efraín Romo, David Magaña, Cindy Haro, Ariana Cinco, Silvia Paz, Daniela Del Rio, Julio Ceja, Wilehaldo Quiñónez*

## PO-2075

### Biomicroscopía ultrasónica de segmento anterior y cuerpo ciliar en prematuros

*Rodrigo Lechuga, María Martínez, Mariana Mayorquín*

## PO-2111

### Evaluación de ganglio centinela con 99m Tc nanocoloide e indocianina verde en un paciente con melanoma en párpado inferior.

*María Elena Vergara, Sebastián Laza, Juan Gambini, Pablo Cabral, Silvana De León, Natalia Montes*

## PO-2136

### Patterns of fundus autofluorescence in patients with diabetic macular edema.

*Rubén Medellín, Efraín Romo, Julio Ceja, David Magaña*

## PO-2149

### Tomografía de coherencia óptica de barrido en melanocitoma de nervio óptico

*Flor Daniela Guzmán, Salvador López, Emiliano Fulda*

## PO-2262

### Tomografía de coherencia óptica de segmento anterior de alta resolución y microscopía confocal in vivo en el diagnóstico de queratitis infecciosa

*Dennis Cortés*



## PO-2437

Comparison of morphology and morphometry in eyes with diabetic macular edema using swept source vs spectral domain optical coherence tomography

*Christoph Mitsch, Sonja Prager, Alessio Montuoro, Christian Simader, Christoph Scholda, Ursula Schmidt-Erfurth*

## PO-2622

Imágenes de ultrasonido modo B en un caso de microftalmo bilateral con quistes.

*Claudia Chacón*

## PO-2646

Evaluation of choroidal thickness in Vogt-Koyanagi-Harada disease using enhanced depth imaging-optical coherence tomography.

*Olfa Fekih, Imen Mokni, Leila Nacef*

## PO-2685

Patrones de autofluorescencia y tomografía de coherencia óptica en fractura coroidea.

*Julio Ceja, Efraín Romo, David Magaña, Yolanda Chávez, Silvia Paz, Ariana Cinco, Rubén Medellín*

## PO-2813

Anatomical effects of lens extraction by phacoemulsification on anterior chamber angle in primary angle closure documented by ultrabiomicroscopy.

*José Piña, Ricardo Chávez, Karla Chávez, Efraín Romo, Wilehaldo Quiñónez, Karla Pimentel, Cindy Haro*

## Ophthalmic Epidemiology

## PO-620

Computer vision syndrome- a modern epidemic

*Kritika Chopra, Sri Ganesh*

## PO-802

Prevalence of a visual impairment in schoolchildren of Chile related to a refractive error and other pathologies

*Fernando Barría, Sergio Muñoz, Juan Silva, Francisco Conte*

## PO-1134

Ophthalmology consultations in a large specialist hospital

*Maaly Abdel Fattah, Jeylan Elmansoury, Selwa Alhazzaa*

## PO-1585

Variables sociodemográficas, etiología y tratamiento de endoftalmitis, en la Asociación Para Evitar La Ceguera en Mexico en el periodo comprendido de mayo 2011 a mayo 2015: serie de casos.

*Andrea Cárdenas, Josefina Cynthia Villalobos-Ojeda*

## PO-1861

La deficiencia visual en los niños de un comunidad pobre de Lima, Perú / Visual Impairment Among Children From A Resource-Poor District Of Lima, Perú

*Theodor Sauer, Joséph Zunt*



## PO-1884

**Prevalencia de síntomas de enfermedad de la superficie ocular y factores asociados medida mediante un cuestionario en un grupo de estudiantes universitaRíos.**

*Manuel Garza, Bernardo Martínez, Hernán Marcos, Ana Cortéz*

## PO-1972

**The prevalence of retinopathy of prematurity in the Odessa region in southern Ukraine between January 2009 To December 2012**

*Sergey Katsan, Nadezhda Bobrova, Kate Zaichko, Maryna Kotorzhenko*

## PO-2001

**Are diabetic patients aware of the danger?**

*Mahmut Oğuz Ulusoy, Sertac Argun Klvánc, Mehmet Atakan, Özgür Uzun, Bilge Öztürk-Şahin, Osman Okan Olcaysu, Arzu Seyhan Karatepe, Sibel Zorlu Öztürk, Ibrahim Türker*

## PO-2498

**Vision loss in one or both eyes in patients from rural communities with limited access to medical speciality services**

*Ximena Ortega*

## PO-2565

**Impacto de la cirugía de catarata en la calidad de vida relacionada a la salud en pacientes de 50 años de edad y más**

*Álvaro García, Enrique Graue-Hernández, María José Salgado, Sandra Cárdenas, Roberto Castrejón, Jesús Arrieta, Aida Jiménez*

## PO-2594

**Evaluation of flies as possible vectors of inflammatory trachoma transmission in the city of Botucatu, Sao Paulo, Brazil**

*Roberta Meneghim, Lucieni Barbarini, Silvana Schellini*

## PO-2613

**Epidemiology of cicatricial conjunctivitis in a reference ophthalmological center of Mexico City**

*Karen Arriozola, Mónica Almanza, Miguel Pedroza*

## PO-2629

**Pigmented squamous cell carcinoma of the conjunctiva. Case presentation.**

*Ivette Hernández-Ayuso, Abelardo Rodríguez Reyes, Dolores Ríos Y Valles-Valles, Antonio Cáceres Castro, Héctor Rodríguez-Martínez*

## PO-2633

**Socioeconomic profile of the families of children with inflammatory trachoma in Botucatu, Sao Paulo, Brazil**

*Roberta Meneghim, Lucieni Barbarini, Silvana Schellini*

## PO-2786

**PCR-Based Evidence of Bacterial and Fungal Involvement in Eyes with Suspected Intraocular Infection**

*Savitri Sharma, Joveeta Joseph, Khemlal Nirmalkar, Annie Mathai*



## PO-2905

Knowledge, attitudes and practice of the parents and the teachers on the refractive errors in school children in the district of Yaounde III

*Epee Emilienne*

## Ophthalmic Oncology

## PO-453

Rare but to fear- a rare case of spindle cell lid sarcoma with intra-orbital metastasis

*Abhisek Onkar, Suwarna Suman, Shipra Singhi*

## PO-751

Clinical features and outcome in choroidal metastasis from lung cancer: series of cases

*Mario Gutiérrez, Ana Escalona, Enrique Ariza, Emiliano Fulda*

## PO-783

Expresión de ciclooxygenasa en carcinoma epidermoide de conjuntiva

*Daniel Capiz, Atzin Robles, Guadalupe Tejeda*

## PO-856

Clinical and molecular characteristics of Von Hippel-Lindau (VHL) disease in Asia

*Wendy Wong, Min-Han Tan, Ying-Hsia Chu*

## PO-913

Proton beam radiotherapy in the treatment of melanoma of ocular adnexa

*Vladimir Valskiy*

## PO-921

Massively invasive diffuse choroidal melanoma demonstrated by A/B ocular ultrasound and CT scan examination

*Ariel Prado, Jiny Tatiana Camas*

## PO-973

Comparison of gamma knife radiosurgery to plaque brachytherapy as eye sparing therapy for choroidal melanoma

*Andre Jastrzebski, Andrew Mis*

## PO-990

Eye movement preserved tumor resection for adult pilocystic astrocytoma in orbit.

*Hideki Tsuji*

## PO-1022

Morbidity rate of retinoblastoma in Uzbekistan

*Ziyavuddin Islamov*

## PO-1032

Rare but beware- malignancies of the lacrimal sac

*Bipasha Mukherjee, Omega Priyadarshini*



## PO-1115

### Tumor vasoproliferativo de retina.

*Brenda Rodríguez, Renata García, Verónica Romero, Betsabé Urías, Miguel Vázquez*

## PO-1127

### Ultrasound control of retinoblastoma treatment results

*Ziyavuddin Islamov, Rustam Usmanov*

## PO-1161

### Bimanual endoresection of uveal melanoma using high-frequency electric welding of biological tissues

*Nicolay Umanets*

## PO-1244

### Hallazgos clínicos y pronóstico en una serie de casos de 27 pacientes mexicanos con metástasis coroideas

*Janet Galicia, Vanessa Luján, Emiliano Fulda*

## PO-1402

### Melanomadecuerpociliar, reportede caso

*José Reyes, Susana Peniche*

## PO-1477

### Surgical excision in conjunctival squamous cell carcinoma (SCC) - clinical profile, risk factors and surgical outcome

*Rama Rajagopal, Geetha Iyer, Bhaskar Srinivasan, Jyotirmay Biswas, Nikunj Koladiya*

## PO-1601

### Choroidal melanoma, a rapidly growing tumor in a young patient

*Viviana Viteri, Yasha Bobadilla, Osiris Olvera*

## PO-1630

### Coriocarcinoma testicular con metastasis a coroides, reporte de caso en el Hospital General De Mexico

*Israel Tapia, Jiny Tatiana Camas, Ariel Prado*

## PO-2102

### Triple therapy for choroidal hemangioma: experience at Ophthalmology Institute Of Mexico City.

*Carlos Estrada, Salvador López, Enrique Ariza, María Belén Jerves, Emiliano Fulda*

## PO-2108

### Mieloma múltiple orbitario, reporte de caso y experiencia en la Asociación Para Evitar La Ceguera "Dr. Luis Sánchez Bulnes"

*Cristian Montecinos, Guillermo Salcedo, Anallely Urieta, Vianhi López, Nelson Inzulza, Carlos Navar, Paulina Nuñez*

## PO-2210

### Melanocitoma de nervio óptico.

*Jared Huerta, Daniel Moreno*

## PO-2242

### Ocular surface squamous neoplasia in paediatric patient with xeroderma pigmentosum: a case report

*Magda Martínez, Melis Del Carmen Anaya, Jorge Pacheco*



## PO-2399

### Swept source OCT in choroidal tumors

*Cinzia Mazzini, Daniela Bacherini, Stanislao Rizzo*

## PO-2436

### Papillary apocrine adenoma and apocrine carcinoma of the eyelid: a case series

*Christina Mastromonaco, Sultán Aldrees, Pablo Zoroquiain, Sarah Alghamdi, Patrick Logan, Conrad Kavalec*

## PO-2455

### SOX-10 is highly expressed in uveal melanoma and retinoblastoma

*Sultan Aldrees, Pablo Zoroquiain, Sarah Alghamdi, Ana Beatriz Toledo, Patrick Logan, Miguel Burnier*

## PO-2459

### Clínicopathological findings in periocular basal cell carcinoma: a 16-year experience

*Sultan Aldrees, Pablo Zoroquiain, Beatriz Nugent, Adel Helmi, Miguel Burnier*

## PO-2484

### Analysis of HSP90 expression is valuable in the differential diagnosis of ocular surface squamous lesions

*Ana Beatriz Toledo, Pablo Zoroquiain, Sarah Alghamdi, Dana Faingold, Vasco Bravo, Miguel Burnier*

## PO-2492

### Gonadotropin-releasing hormone receptor is expressed in retinoblastoma

*Hadeel Helmi, Sultan Aldrees, Ana Beatriz Toledo, Pablo Zoroquiain, Mann Alkharashi, Miguel Burnier*

## PO-2502

### DLC-1 expression in uveal melanoma

*Mohammed Qutub, Gabriela Cavalieri, Vinícius Carriero, Pablo Zoroquiain, Sarah Alghamdi, Ana Beatriz Toledo, Miguel Burnier*

## PO-2561

### Primary intraocular and central nervous system lymphomas: are they the same?

*Hadeel Helmi, Natalia Vila Grane, Pablo Zoroquiain, Mohammed Qutub, Christina Mastromonaco, Miguel Burnier*

## PO-2567

### Vascularization as a prognostic factor in uveal melanoma regression after Ruplaque brachytherapy

*Anush Amiryan, Svetlana Saakyan, Vladimir Valskiy*

## PO-2572

### Meduloepitelioma intraocular en edad pediátrica, reporte de caso.

*Zaira Bernal, Marco Ramírez*

## PO-2636

### Programmed cell death ligand 1 is highly expressed in uveal melanoma

*Pablo Zoroquiain, Sarah Alghamdi, Ana Beatriz Toledo, Sultan Aldrees, Patrick Logan, Hadeel Helmi, Miguel Gurnier*

## PO-2652

### Primary mucinous carcinoma of the eyelid

*Mohammed Qutub, Hadeel Helmi, Pablo Zoroquiain, Sarah Alghamdi, Sultan Aldrees, Miguel Burnier*





## PO-2706

### Melanoma maligno de cuerpo ciliar, reporte de un caso.

Ana Solorio, Luis Porfirio Orozco, Leonor Hernández, Sara Plazola, Eva López

## PO-2762

### Swept source optical coherence tomography differentiations of choroidal nevus vs small choroidal melanoma

Juan Arias, Virgilio Galvis, Carlos Ávalos, Álvaro Gutiérrez, David Paredes, Luis Jaramillo, Rodrigo Barrera, Andrés Osorio

## PO-2769

### Topical/intralesional interferon A2B treatment for ocular surface squamous neoplasia: an 8 year experience

Joaquín Hernández, Alberto Ansart, Gonzalo Matus, Ángel Nava, Lilia Garnica, José Luis Tovilla

## PO-2781

### Orbital metastatic disease from carcinoma of the ampulla of Vater, a case report

Ana González, Itzel Durand, Lauro Coss, Verónica Martínez, Roberto Delgado, Marisol Íñiguez

## PO-2789

### Condrosarcoma orbitario, reporte de caso

Mildred Díaz, Luz Arce

## PO-2797

### Mutaciones en pacientes mexicanos con retinoblastoma no familiar en el gen RB1

Dalia Guadarrama, Federico Graue, Arturo Cuevas, Juan Zenteno

## Ophthalmic Pathology and Microbiology

## PO-705

### Endogenous fungal endophthalmitis - contaminated intravenous fluids a serious risk factor in rural population

Siddharth Narendran

## PO-735

### A rare case of human dirofilariasis in Lithuania

Ona Garlaite, Giordano Fanton

## PO-923

### Relación de VPH en pterigión primario y recidivante en población mexicana

Azucena Mendoza, Guadalupe Tejeda, Héctor Pérez

## PO-1110

### A rare case of Morganelle Morganii necrotizing scleritis post strabismus surgery

Wei Wei Lee



## PO-1238

### Morphology and immuno-histochemistry of spontaneously dislocated intra ocular lens - capsular bag complex

Harsha Bhattacharjee, Kasturi Bhattacharjee, Dipankar Das, Diva Misra

## PO-1513

### Neuroretinitis associated with Chikungunya fever in caribbean hispanics: a case report.

Pedro Dávila, Jan Ulloa, Natalio Izquierdo, Andrés Emanuelli

## PO-1607

### Primary acquired melanosis of conjunctiva

Nallely Ramos, Julio Rodrigo Ortiz, Abelardo Rodríguez, Francisco Beltrán, Jorge Ozorno, Dalia Marilyn Rojo

## PO-1719

### Resultados del estudio histopatológico en pacientes operados de resección de pterigión en el Instituto Mexicano De Oftalmología en el periodo de febrero de 2014 a mayo de 2015

Lisete García, Lisete García, Sonia Corredor

## PO-1798

### Detection of virulence factors with multiplex PCR technique of conjunctival coagulase negative Staphylococcus (CNS) from patients undergoing cataract surgery

Verónica Castillo, Yolanda López, Margarita Samudio, Norma Fariña, Sonia Abente, Nilsa González, Florentina Laspina, Agustín Carron, Diogenes Cibils, Herminia Miño

## PO-2083

### Comparison of the efficacy of 5% or 10% povidone-iodine (PVI) irrigation in combination with moxifloxacin 0.5% as prophylaxis in patients undergoing cataract surgery

Adriana Caballero, Rosa Sanabria, Verónica Castillo, Margarita Samudio, Norma Fariña, Florentina Laspina, Agustín Carron, Sonia Abente, Diogenes Cibils, Herminia Miño

## PO-2448

### Frequency and distribution of ocular vascular lesions: a single institution experience.

Christina Mastromonaco, Sultan Aldrees, Pablo Zoroquiain, Sarah Alghamdi, Taylor Nayman, Miguel Burnier

## PO-2482

### A 21-year study from enucleated and eviscerated blind painful eyes: potential etiology and pathological features

Ana Beatriz Toledo, Mohammed Qutub, Christina Mastromonaco, Pablo Zoroquiain, Natalia Vila Grane, Miguel Burnier

## PO-2505

### Castleman' disease: a rare, isolated orbital pathology masquerading as thyroid orbitopathy

Namrata Gaikwad, Amit Khedekar, John Samuel B, Shanthi Radhakrishnan, Usha Kim

## PO-2548

### Primary myxoma of the conjunctiva. case series and review of the literature.

Dolores Ríos, Antonio Cáceres, Ivette Hernández, Héctor Rodríguez, Abelardo Rodríguez, Vianhi López



## PO-2599

### Phthirus palpebrarum in a 5-year-old child. a case presentation.

*Antonio Cáceres, Ivette Hernández, Alan Ricardo Alba, Abelardo Rodríguez, Dolores Ríos Y Valles*

## Ophthalmic Pharmacology

## PO-789

### Ocular Penetration of Anti-retroviral Drugs after a Single Oral Administration in the New Zealand White Rabbit Model

*David Meyer, Willem Gerber, Derrick Smit*

## PO-1299

### Yellow sweet clover extract in experimental hyphema

*Galina Fesyunova*

## PO-1392

### Is the subconjunctival bleb that forms at the injection site after intravitreal injection drug or vitreous?

*John Christoforidis, Michelle Carlton-Williams, Michael Knopp*

## PO-1747

### Retinal safety studies of intravitreal injection of RG1 ginsenosides on normal rabbit

*Lina Huang*

## PO-2586

### Protective effect of ubiquinone and combined antioxidant therapy over oxidative DNA damage and enzymatic repair in non-proliferative diabetic retinopathy

*José Castellanos, Alejandra Miranda, Sonia Sifuentes, Adolfo Rodríguez*

## PO-2604

### Cost and utilization of glaucoma medications at a tertiary eye care hospital in Saudi Arabia

*Sriram Sonty, Randy Craven, Deepak Edward*

## Orbital, Oculoplastic, and Lacrimal Diseases

## PO-636

### Eyelash implantation with strip composite eyebrow graft. an enhancing technique in Hughes eyelid reconstruction procedure

*Ángel Nava, Joaquín Hernández, Paolo Solano, José Luis Tovilla, Lilia Garnica*

## PO-657

### Orbital cutaneous fistula secondary to ruptured frontozygomatic dermoid cyst: case report

*Juliana Morales, Adolfo Torres*

## PO-729

### Method of skin grafts fixation in orbital and periorbital area

*Marina Gushchina*



## PO-827

**Efficacy of the Raus/Garito clamp for correction of ectropion of the punctum**

*Peter Raus, Richard Collin, Isabelle Crommelynck*

## PO-836

**Lacrimal drainage system obstruction in subjects with acquired anophthalmic socket, a double masked case control study**

*Mohsen Kashkoui*

## PO-837

**Assessment of tear production and severity of discharge in subjects with acquired anophthalmic socket; a case control study**

*Mohsen Kashkoui*

## PO-891

**The posterior approach for contact lens related ptosis**

*Livia Teo, Geva Mannor, Lora Dagj Glass, Suzanne Freitag*

## PO-917

**Expresión de anticuerpo Ki-67 por inmunofluorescencia en carcinoma epitelial de glándula lagrimal, carcinoma basocelular y epidermoide no invasor de conjuntiva**

*Diego Chávez, Guadalupe Tejeda, Atzin Robles*

## PO-935

**Eyelid metastasis secondary to intraductal breast carcinoma**

*Abdullah Al-Mujaini*

## PO-953

**Rhinosporidiosis of lacrimal sac management with reconstructive dacryocystorhinostomy after dacryocystectomy**

*Mukti Mitra, Golam Haider, Syeed Kadir*

## PO-1001

**Presencia de citomegalovirus y virus EpsteinBarrenlesiones linfoproliferativas de anexos oculares**

*Aura Jáuregui, Guadalupe Tejeda, Héctor Pérez*

## PO-1003

**Enfermedad linfoproliferativa diseminada, reporte de caso.**

*Lisette Tepalcingo, Guadalupe Tejeda, Denisse García*

## PO-1064

**Management of large orbital implant exposure with dermis fat graft**

*Shu Lang Liao*

## PO-1089

**Hiperostosis in exenterated orbits: 20 years experience**

*Alicia Galindo, Murilo Cintra, Sahar Elkhamary, Yerena Muiños, Patricia Santello, Antonio Augusto Cruz*

## PO-1090

**Orbital perineural spread in non tumor diseases**

*Alicia Galindo, Patricia Santello, Sahar Elkhamary, Murilo Cintra, Antonio Augusto Cruz, Hind Alkatan*



## PO-1107

**Intraorbital gun pellet, perfect vision; a true dilemma**

*Pablo Guzmán, Alberto Abdala, Osiris Olvera, José Luis Tovilla*

## PO-1111

**Tumor mixto benigno de glándula lagrimal**

*Gerardo Arandía, Verónica Rodríguez*

## PO-1136

**A devastating presentation of idiopathic orbital inflammatory disease (IOID) and outcome after proper management – a case report**

*Golam Haider, Mukti Mitra, Syeed Kadir*

## PO-1165

**Reconstruction of large periocular defect by skin graft**

*Mukti Mitra, Golam Haider*

## PO-1171

**Thyroid related orbitopathy with ACTH dependent Cushing'S Disease: a case report of a rare and important coexistence.**

*John Samuel B, Anand Annamalai, Usha Kim, Namrata Gaikwad, Vijay Kumar S, Amit Khedekar*

## PO-1181

**Surgical correction of blepharoptosis in patients with myogenic ptosis**

*Marian Pauly*

## PO-1205

**Intraglandular injection of Botulinum Toxin A for the treatment of epiphora, pilot prospective study.**

*Gabriel Pignata, Ángel Nava, José Luis Tovilla*

## PO-1207

**Distrofia muscular oculofaríngea en una población mexicana: relación fenotipo - genotipo**

*Caroline Guerrero, José Luis Tovilla, Ángel Nava*

## PO-1213

**Caso clínico: amiloidosis palpebral asociada a distrofia corneal de lattice y retinitis pigmentosa**

*Caroline Guerrero, José Luis Tovilla, Abelardo Rodríguez, Osiris Olvera, Ángel Nava*

## PO-1306

**Wegener'S granulomatosis with solitary eyelid involvement manifesting as acquired ptosis**

*Nirav Raichura, Bipasha Mukherjee, Jyotirmay Biswas*

## PO-1311

**Clinical profile and management outcomes of eyelid molluscum contagiosum – an Indian perspective**

*Harshit Vaidya, Md Alam, Bipasha Mukherjee*

## PO-1373

**Solitary fibrous tumor of the orbit, a case report**

*Ulises De Dios*



## PO-1406

**Effect of orbital decompression on corneal topography in patients with thyroid ophthalmopathy**

*Kyung Hong, Su Ah Kim, Wonmo Lee, So-Youl Kim, Juwan Park, Suk Woo Yang*

## PO-1423

**Comparison of incidence of ptosis after combined phaco-trabeculectomy and phacoemulsification**

*Victor Koh, Janina Tatsios, Paul Chew, Shantha Amrith*

## PO-1436

**A new procedure for ptosis surgery: maximal levator resection combined with frontal sling**

*Hien Nguyen, Van Pham*

## PO-1498

**An alternative material other than autogenous fascia lata used for frontalis suspension in treatment of ptosis**

*Ahmed Fouad Dekinish*

## PO-1521

**Carcinoma de glándulas sebáceas. reporte de caso y experiencia de 10 años en la Asociación Para Evitar La Ceguera En Mexico. Hospital 'Luis Sánchez Bulnes'**

*Fabiola Ogaz, Vianhi López, Guillermo Salcedo*

## PO-1526

**Siringoma condroide de párpado, reporte de caso y experiencia en la Asociación Para Evitar La Ceguera "Dr. Luis Sánchez Bulnes" 1987-2014.**

*Vianhi López, Anallely Urieta, Cristian Montecinos, Nelson Inzulza, Paulina Núñez, Carlos Navar*

## PO-1557

**Photographer's perspective of recovery from orbital floor blowout fracture**

*Vivekanandan Ramakrishnan, Siddharth Narendran*

## PO-1571

**Anfotericina B intraorbitaria en mucormicosis rino-orbitaria, reporte de caso.**

*Gerardo Arandia, Edwin Anaya*

## PO-1584

**Manejo quirúrgico de las fracturas orbitarias, experiencia en la Asociación Para Evitar La Ceguera 'Dr. Luis Sánchez Bulnes' 2004-2014.**

*Vianhi López, Fabiola Ogaz, Jeheen Giron, Eduardo Mora, Martín Guzmán, Anallely Urieta, Cristian Montecinos, Paulina Núñez, Nelson Inzulza, Carlos Navar, Guillermo Salcedo*

## PO-1593

**Fibroma osificante orbitario, a propósito de un caso**

*Martín González, José Luis Tovilla, Osiris Olvera, Caroline Guerrero, Joaquín Hernández, Francisca Zuazo*



## PO-1677

### Ectomesenquimoma orbitario congénito

*Lucila García*

## PO-1710

### Orbital measurements using computed tomography ( CT ) in healthy eyes of saudii children.

*Rajiv Khandekar, Sahar Elkhamary*

## PO-1746

### The Castleman disease

*Harikrishnan Marappan*

## PO-1758

### The cystic eye

*Harikrishnan Marappan*

## PO-1795

### Leiomyosarcoma of the conjunctiva

*Veva De Groot, Rob De Keizer*

## PO-1817

### Colesteatoma orbitario, reporte de caso y experiencia en la Asociación Para Evitar La Ceguera En Mexico 'Dr. Luis Sánchez Bulnes'.

*Anallely Urieta, Rosa Rubio, Vianhi López, Cristian Montecinos, Nelson Inzulza, Paulina Núñez, Carlos Nava*

## PO-1830

### Trauma papebral: características epidemiológicas y demográficas en la Asociación Para Evitar La Ceguera En Mexico 'Dr. Luis Sánchez Bulnes'. Revisión de 10 años.

*Anallely Urieta, Vianhi López, Ariel Ceriotto, Cristian Montecinos, Nelson Inzulza, Paulina Núñez, Carlos Navar*

## PO-1833

### Tumor fibrohistiocitico benigno en párpado, reporte de caso y experiencia en la Asociación Para Evitar La Ceguera "Dr. Luis Sánchez Bulnes"

*Carlos Navar, Fabiola Ogaz, Nelson Inzulza, Vianhi López, Cristian Montecinos, Anallely Urieta*

## PO-1848

### Eyelid lipid proteinosis

*Viji Rangarajan*

## PO-1855

### Mucormicosis orbitaria: presentación de un caso atípico.

*Erving Venegas, Karina Mateos, Sara Plazola, Sandra Salazar*

## PO-1856

### Ectropión congénito, reporte de caso y experiencia en la Asociación Para Evitar La Ceguera "Dr. Luis Sánchez Bulnes".

*Carlos Navar, Ariel Ceriotto, Vianhi López, Nelson Inzulza, Anallely Urieta, Paulina Núñez*

## PO-1863

### A rare case of pulsating proptosis

*Viji Rangarajan*



## PO-1876

**Bilateral orbital xanthogranuloma. diagnostic challenge in a 28-year-old woman.**

*Alberto Abdala, Sharon Ball, Martín González, Francisca Zuazo, Osiris Olvera, José Luis Tovilla*

## PO-1897

**A case report on bilateral periorbital necrotizing fasciitis in a previously healthy male**

*Wasek Bin Shahid, Muntasir Bin Shahid*

## PO-1968

**Reporte de un caso de carcinoma de glándula sebácea**

*Ángel Ruíz*

## PO-2070

**Evaluation of nanoskin to repair subcutaneous tissue of guinea pigs**

*Lucieni Barbarini, Kryscia Natsuaki, Silvana Sato, Roberta Meneghim, Silvana Schellini*

## PO-2073

**Orbital decompression in thyroid eye disease, a 5 year review in a reference center in Mexico City**

*Nayeli Alcaraz, Alberto Abdala, Osiris Olvera, José Luis Tovilla*

## PO-2135

**Proptosis ¿posterior a un trauma?; quiste aneurismático óseo orbitario, reporte de un caso.**

*Francisca Zuazo, Martín González, Alberto Abdala, Lourdes Rodríguez, Patricia García, Osiris Olvera*

## PO-2155

**Quiste epidermoide, reporte de caso y experiencia en la Asociación Para Evitar La Ceguera “Dr. Luis Sánchez Bulnes”**

*Nelson Inzulza, Guillermo Salcedo, Cristian Montecinos, Anallely Urieta, Vianhi López, Paulina Núñez*

## PO-2171

**Aceite de argán como método alternativo para la cicatrización en blefaroplastia**

*Melissa Flores*

## PO-2182

**Reporte de caso: enoftalmos secundario a síndrome de seno silente**

*Michele Pacheco, José Luis Tovilla, Fernanda Rebollo, Osiris Olvera*

## PO-2185

**Uso de adhesivo tisular de fibrina comparado con la sutura convencional en la blefaroplastia superior en el Servicio De Oftalmología Del Hospital De Especialidades Centro Médico Nacional Siglo XXI**

*Dirce Rivera, Alejandro Carrera, Arturo Carrasco, Julio Blanco, César Díaz*

## PO-2190

**¿Sólo una blefaroptosis?: Granuloma eosinófilo, a propósito de un caso.**

*Francisca Zuazo, Pablo Guzmán, Alberto Abdala, Martín González, Sharon Ball, Osiris Olvera*





## PO-2196

**Visual loss in patients with orbital cellulitis and abscess presenting to a tertiary eye care center**

*Imtiaz Chaudhry, Ayman Alayoubi, Osama Alsheikh, Farrukh Shamsi, Waleed Alrashed, Yonca Arat*

## PO-2223

**Meningioma de nervio óptico. reporte de un caso y experiencia en la Asociación Para Evitar La Ceguera En Mexico 'Dr Luis Sánchez Bulnes'.**

*Paulina Núñez, Ariel Ceriotto, Vianhi López, Anallely Urieta, Cristian Montecinos, Nelson Inzulza*

## PO-2289

**Upper eyelid subcutaneous zygomycosis in an immunocompetent young nigerian female- case report**

*Oluyemi Fasina, Adewunmi Adeoye*

## PO-2351

**Use of `Bari Device` increases the success rate of laser DCR in elderly patients**

*Bazlul Bari Bhuiyan, Syeed Kadir*

## PO-2360

**Medial canthal deformity; a previously undescribed complication of Jones Tube insertion**

*Juwan Park, Suk Woo Yang*

## PO-2364

**Recurrent lacrimal gland tumors**

*Svetlana Saakyan, Georgiy Gusev, Robert Tatskov*

## PO-2387

**Pre-bending of prefabricated orbital implants – towards greater orbital angle symmetry post craniofacial trauma surgery**

*Stephanie Young, Gangadhara Sundar*

## PO-2397

**Tumor fibroso solitario**

*Carolina Moreno, Federica López*

## PO-2408

**Application of endoscopy-navigation system in surgical repair of combined fractures of orbital floor, medial wall and inferomedial strut**

*Ai Zhuang, Yin Wei Li, Xianqun Fan*

## PO-2413

**Anatomical prefabricated titanium plates and bioresorbable implants – the Singapore experience**

*Stephanie Young, Gangadhara Sundar*

## PO-2433

**A diagnostic challenge: severe orbital Kimura disease in a caucasian child**

*Andrea Papp*

## PO-2525

**Late cerebrospinal fluid leaks complicating orbital surgeries**

*Ai Zhuang, Xianqun Fan*



## PO-2526

**Rosai-Dorfman disease- 2 cases report with a unique association in one case and rare clinical presentation**

*Amit Khedekar, Namrata Gaikwad, Lekshmi Vijay, Shanthi Radhakrishnan, Usha Kim*

## PO-2529

**A new approach in the management of mechano-cicatrical lid margin anomaly involving both lids of same eye.**

*Jayanta Das*

## PO-2591

**Adjunctive use of Mitomycin C in posterior punctectomy procedure in recurrent lacrimal punctal occlusion**

*Doaa Hegazy*

## PO-2687

**Diagnóstico poblacional de evisceración del globo ocular en la Unidad Oftalmológica De Alta Especialidad del Hospital Civil De Guadalajara “Fray Antonio Alcalde”.**

*Itzel Durand, Claudia Margarita Ascencio, Roberto Delgado*

## PO-2723

**Un caso especial de proptosis en adulto**

*Montserrat Aguirre, Joaquín Hernández, Osiris Olvera, José Luis Tovilla*

## PO-2725

**Outcomes of unilateral decompression for asymmetric Graves' orbitopathy**

*Francisco Castillo, James Garrity*

## PO-2750

**Carcinoma renal de células claras metastásico a órbita, reporte de un caso**

*Denise Loya, Paolo Solano, José Luis Tovilla*

## PO-2757

**Reconstruction of post traumatic lagophthalmos with skin grafting**

*Fabiola Lira, Federica López*

## PO-2824

**Inflamación orbitaria idiopática, un nuevo entendimiento con el descubrimiento de la enfermedad relacionada a IgG4**

*Pablo Urzúa, Vianhi López, Luis Aguilar*

## PO-2842

**Non conventional NKT cells and its association with clinical severity in human Graves orbitopathy**

*Alberto Salazar, Sandra Salazar, José Luis Tovilla, María C. Jiménez*

## Pediatric Ophthalmology and Strabismus

### PO-394

**Psychosocial Impacts of Strabismus**

*Fayez Alshehri, Savithiri Ratnapalan*

### PO-434

**The effect of using tetracaine, ketorolac 0.5% or nothing on post-strabismus surgery vomiting and pain in children**

*Shadi Al Hrafsheh*



## PO-506

**Evaluation and treatment of aggressive posterior disease in retinopathy of prematurity at Santa Ana Maternity Hospital, Caracas-Venezuela, 2013-14**

*María Rodríguez, Rosangela Guevara, Dalia Ferraro, Pedro Mattar*

## PO-758

**OCT de fibras nerviosas peripapilares en niños**

*Marissa Fernández, Humberto Cavazos, Martín César Fernández, Jesús Mohamed Hamsho*

## PO-768

**Anisometropic amblyopia children with severe low vision regain normal vision after intensive combination treatments and follow up**

*Geng Li, Danli Feng, Na Xue, Zhisheng Li*

## PO-801

**Are there real differences between Faden procedure, versus augmented recession versus slanted recession of both medial recti in management of infantile esotropia?**

*Akmal Rizk*

## PO-843

**Acquired inferior oblique (IO) paralysis**

*Ze Wang, Bo Xia*

## PO-857

**Three-muscle surgery for massive constant exotropia: 2 year follow-up results**

*Junhong Li*

## PO-874

**Estrabismo adquirido sin diplopía**

*Elsa Flores, Yanely Orihuela, Alejandra Aguilar, Claudia Elena Murillo, Jessica Vargas*

## PO-924

**Results with botulinum toxin in patients with esotropia and psychomotor deficit**

*María Arroyo, José Pérez*

## PO-931

**A retrospective study of 200 cases of retinopathy of prematurity (ROP) in infants with history of premature births, associated risk factors and the method and period of clinical examination and management in a tertiary care hospital for a period of two years**

*Divakar G V*

## PO-933

**Frecuencia y características clínicas del estrabismo en pacientes con cataratas congénitas**

*Marilu Guido, José Pérez, María Arroyo*

## PO-934

**Análisis de la frecuencia de estrabismo en pacientes con anisometropía y su relación con la presencia de fusión**

*Marilu Guido, María Arroyo, José Pérez*

## PO-974

**Artificial iris implantation in a 9-year-old boy**

*Ulrich Brandlhuber, Christos Haritoglou, Martín Nentwich, Günther Rudolph*



## PO-988

### Prevalence of alphabetic patterns and adduction deficit in patients with exotropia

*José Pérez, María Arroyo*

## PO-1056

### Management and outcome of Coats disease

*Wei Wei Lee*

## PO-1112

### Síndrome De Goldenhar, Moebius y Duane

*Jiny Tatiana Camas, Marilu Guido, María Arroyo*

## PO-1121

### Retinoblastoma bilateral en gemelos monocigotos, Hospital Infantil Teletón De Oncología (HITO)

*Alejandra Etulain, Pilar Cubria, Lourdes Romero, Marco Vinicio*

## PO-1124

### Rectus muscle plication for the treatment of concomitant strabismus and nystagmus

*Theodor Sauer, Stacy Pineles, Federico Vélez*

## PO-1160

### A case report of Marshall Stickler Syndrome

*Leslie Olivares, José Pérez*

## PO-1172

### A randomized trial of amblyz liquid crystal occlusion glasses vs traditional patching for treatment of moderate unilateral amblyopia in children

*Daniel Neely, Derek Sprunger, Gavin Roberts, Heather Smith*

## PO-1222

### Recurrence of retinopathy of prematurity after intravitreal ranibizumab treatment.

*Lucía Rivera, Alejandra De Alba*

## PO-1262

### Contrast sensitivity visual acuity change analysis in strabismus before and after the operation

*Hongwei Deng*

## PO-1328

### Prevalence of refractive error types among children living in Sumgait City of Azerbaijan Republic and their geographical distribution in the territory of the republic

*Emin Alihuseynli*

## PO-1439

### Comparison of anisometropia and refractive status in children with unilateral and bilateral congenital nasolacrimal duct obstruction

*Hassan Mansoor, Sorath Siddiqui*



## PO-1515

Three sutures vs. single suture superior and lateral rectus muscle union in treatment of myopic strabismus fixus

Mohamed Farid, Ahmed Saeed, Ahmed El Barky

## PO-1542

Tomografía de coherencia óptica (OCT) macular en pediatría

Idania Garza, Ezequiel Treviño, Humberto Cavazos, Jesús Mohamed Hamsho, Jesús González

## PO-1579

Cirugía dinámica bajo anestesia tópica como tratamiento en estrabismo de ángulo grande

Daniela Hernández, Tzilacatzin Hernández

## PO-1580

Manifestaciones oftalmológicas de la anemia de Fanconi, reporte de un caso

Adriana Velasco, Miriam Becerra, Graciela González, Lidia Álvarez, Aldo Oregon, Ricardo Jáuregui

## PO-1633

Síndrome de Alport

Fitha Vásquez, Hugo Salcedo

## PO-1639

Unilateral Large Lateral Rectus Recession in Treatment of Unilateral Exotropic Duane Retraction Syndrome

Ahmed Saeed, Mohamed Farid, Ahmed El Barky

## PO-1659

Y-splitting with or without lateral rectus recession versus isolated lateral rectus recession in treatment of vertical shooting in Exotropic Duane Retraction Syndrome

Ahmed Saeed, Mohamed Farid

## PO-1790

The efficacy of Botulinum Toxin (BTX-A) as a primary treatment option for diverse types of strabismus

Maaly Abdel Fattah, Jeylan Elmansoury, Selwa Alhazzaa

## PO-1802

Long- term results of early surgery for congénital esotropia

Le Xuan

## PO-1822

Epidemiology of pediatric ocular trauma at Children Clinical University Hospital, Latvia.

Alina Aligera, Sandra Valeina

## PO-1893

Presentación atípica de retinoblastoma: reporte de un caso

Cindy Haro, Carolina Cardona, Ariana Cinco, Silvia Paz, Yolanda Chávez, José Piña

## PO-1909

Prevalencia de errores refractivos en pacientes menores de 15 años con diagnóstico de conjuntivitis alérgica

José Miguel Cueto, José Pérez



## PO-1924

**Síndrome de Duane inverso, evolución a 5 años después de cirugía.**

*Ana Raquel Ruíz, Luis Javier Cárdenas, Emma Teresa Villaseñor, Marisol Iñiguez, Miriam Becerra, Vanessa Bosch*

## PO-1930

**Síndrome de Duane con limitación de la aducción: caso clínico**

*Ana Raquel Ruíz, Luis Javier Cárdenas, Claudia Margarita Ascencio, Emma Teresa Villaseñor, Marisol Iñiguez, Lidia Álvarez*

## PO-2009

**Relación entre la supravversión y la edad: Experiencia en centro oftalmológico en el norte de Mexico**

*José Hutchinson, Nataliya Pasechnikova, Kate Zaichko*

## PO-2029

**7 years of experience in the treatment of retinopathy of prematurity in southern Ukraine.**

*Sergey Katsan, Natalia Pasechnikova, Kate Zaichko*

## PO-2077

**Epilepsia y estrabismo. Análisis de las alteraciones del movimiento y posición ocular en un centro de referencia nacional.**

*Martha Ramírez, Silvia Moguel*

## PO-2110

**Binocular eye movements dyscoordination and monocular coordination in intermittent exotropia: a case report.**

*Felisa Shokida, José Gabriel, Horacio García*

## PO-2142

**Retinoblastoma infiltrativo difuso, presentación atípica. Reporte de caso.**

*Verónica Martínez, Graciela González, Miriam Becerra, Adriana Velasco, Ricardo Jáuregui, Marisol Iñiguez, Itzel Durand, Alejandro Carranza, Ana Raquel Ruíz, Francisco Malé, Laura Ray Saucedo*

## PO-2145

**Caso clínico: Seguimiento a dos años de implante de Lio multifocal tórico en niño con catarata del desarrollo**

*Nasim Miguel, Cecilio Velasco-Barona, Guadalupe Cervantes*

## PO-2180

**Development of a simple computerized torsion test to quantify subjective ocular torsion**

*Jeong-Min Hwang, Yongdae Kim, Hee Kyung Yang*

## PO-2187

**Infiltración Ocular en Niños con Leucemia Aguda. Experiencia del Instituto Nacional de Pediatría de Mexico**

*María Hernández*



## PO-2195

**Resultados de la retinoscopia objetiva en pacientes con endotropía congénita con la aplicación de atropina 1% a los 60 minutos versus aplicación de atropina al 1% cada 12 horas por 3 días.**

*María Del Carmen Peralta, María Arroyo*

## PO-2278

**Síndrome de Duane bilateral tipo II, reporte de un caso**

*Daniela Del Río, Yolanda Chávez, José Piña, Carolina Cardona*

## PO-2330

**Relationship between binocular vision and functional performance in strabismic and normals**

*Sivakamakshi Muthukumarasamy*

## PO-2341

**Varicella Zoster virus vasculopathy associated retinal arterial occlusion in a six year old. A rare presentation in an immunocompetent child.**

*Ewan McCallum, Syed Ali, Usman Mahmood*

## PO-2375

**Dwelling on Duane's, ¿ Or Is It ?**

*Mohamed Anjum Iqbal, Elfride Sanjana, Samuel Gnanadurai, Gayatri S, Allen Raveendran, Narayanan Balakrishnan, Shantha Sruthi M, Sri Gautham Bodduluri*

## PO-2378

**Management of pediatric cataract: our four years experience at Prince Hamza Hospital (Amman-Jordan)**

*Raed Shatnawi*

## PO-2379

**Síndrome de Weill Marchesani. Reporte de un caso**

*Manuel Páez, Marylin Padilla, Sonia Cisneros, Enrique Roig*

## PO-2400

**Role of mobile game exercises as an adjuvant to amblyopia therapy in children**

*Mandar Kadav, Subhash Dadeya*

## PO-2458

**Congénital cataract: etiology and rehabilitation, a tunisian study about 85 cases**

*Lamia El Fekih, Houda Lajmi, Ben Jalel Wady, Basma Benachour, Wassim Hmeied*

## PO-2470

**Características oftalmológicas de los niños con Secuencia de Möbius**

*Daniela Welschen*

## PO-2694

**Setting up retinopathy of prematurity screening service at Al-Shifa Trust Eye Hospital, Rawalpindi, Pakistan and regional neonatal intensive care units; our initial experience**

*Syed Ali, Sumaira Altaf, Saemah Zafar, Usman Mahmood*



## PO-2730

### Ocular and systemic features of Möbius syndrome

*Diana González, Tzilacatzin Hernández, Dahana Mendoza*

## PO-2733

### Barriers in ROP screening in Pakistan

*Muhammad Moin*

## PO-2752

### Granuloma en conjuntiva de párpado superior, causado por fibras sintéticas: Teddy Bear Granuloma

*Pablo Baquero, Sandra Talero*

## PO-2767

### Microftalmos anterior relativo y coloboma coroideo relacionado con el gen Yap1.

*José Piña, Wilehaldo Quiñónez, Efraín Romo, Carolina Cardona, Cindy Haro, Karla Pimentel*

## PO-2792

### Surgical treatment of divergence insufficiency esotropia

*Monte Del Monte*

## PO-2855

### Restrictive strabismus secondary to Ahmed Valve implant

*Jesús Dávila, Sergio Herrero*

## Refractive Surgery

## PO-624

### Successful treatment with combined PRK/PTK smoothing for the treatment of severe corneal haze after surface ablation

*Bongjoon Choi, Min Young Lim*

## PO-772

### Binocular correction in hyperopic presbyopia

*Klaus Ditzen*

## PO-932

### Precisión del grosor del lenticulo en cirugía SMILE mediante tomografía de coherencia óptica de dominio espectral, paquimetría ultrasónica y espesímetro.

*Joel Ramírez, Óscar Fernández, Cristina Pacheco, Regina Velasco, Alejandro Babayan, Elisa Alegría*

## PO-1050

### Material analysis in spontaneously subluxated, iris-fixated, phakic intraocular lenses

*Ramin Khoramnia, Tamer Tandogan, Mike Holzer*

## PO-1055

### Three-year changes of corneal biomechanical properties after LASIK

*Huan Pham*





## PO-1094

### Long-term outcomes of toric intraocular lens for keratoconus

Jesús Cabral, Martha Jaimes, Arturo Ramírez, Enrique Graue-Hernández, Alejandro Navas

## PO-1106

### Análisis vectorial en cirugía refractiva con técnica SMILE

Diana Raya, Óscar Baca, Óscar Fernández, Regina Velasco, Elisa Alegría, Cristina Pacheco, Alejandro Babayan

## PO-1195

### Sensibilidad al contraste en pacientes sometidos a cirugía con técnica SMILE.

Shameli Guzmán, Elisa Alegría, Regina Velasco, Óscar Baca, Óscar Fernández, Alejandro Babayan, Cristina Pacheco

## PO-1333

### Effect of dry eye on higher-order aberrations graded by ir meibography

Mohamed Hosny

## PO-1342

### Nomograma para la selección de parámetros del lenticulo en SMILE

Francisco Sánchez, Óscar Fernández, Alejandro Babayan, Óscar Baca, Cristina Pacheco, Regina Velasco, Elisa Alegría

## PO-1355

### Disfunción de la película lagrimal después de la técnica SMILE (Small Incision Lenticule Extraction)

Edna Valdez, Regina Velasco, Óscar Fernández, Alejandro Babayan, Cristina Pacheco, Elisa Alegría, Óscar Baca

## PO-1372

### Análisis vectorial de astigmatismo residual e inducido en femto-LASIK

Azyadeh Camacho, Elisa Alegría, Óscar Fernández, Cristina Pacheco, Regina Velasco, Óscar Baca, Alejandro Babayan

## PO-1393

### Comportamiento celular corneal por medio de microscopía confocal posterior a cirugía refractiva con técnica SMILE

Martha Paulina González, Óscar Baca, Cristina Pacheco, Óscar Fernández, Regina Velasco, Alejandro Babayan, Elisa Alegría

## PO-1473

### Designing a sustainable, affordable, accessible, and available refractive surgical centres in developing Sub-Saharan Africa more especially in vast Nigeria.

Akinwale Akinfe

## PO-1555

### Análisis topográfico por Orbscan Y Pentacam en cirugía refractiva con técnica de extracción lenticular de pequeña incisión (SMILE)

Karla Ramírez, Oscar Baca, Cristina Pacheco, Regina Velasco, Elisa Alegría, Alejandro Babayan



## PO-1582

**Validation & application of modified version of QIRC (Quality Of Life Impact Of Refractive Surgery) in LASIK surgery**

*Jai Bansal, Tripti Bansal*

## PO-1636

**Manejo de colgajo dislocado en pos-operatorio temprano**

*Emmanuel Cabrera, Rafael Paz, Ana García, Valeria Sánchez*

## PO-1738

**Cross linking post LASIK ectasia – our experience**

*Sujatha Mohan, Mohan Rajan*

## PO-1956

**Resultados visuales, clínicos, refractivos y cambios topográficos en SMILE vs F-LASIK.**

*Guillermo García, Arturo Ramírez, Alejandro Navas, Enrique Graue-Hernández*

## PO-2087

**Advanced surface ablation (LASEK or EPI-LASEK) for adult strabismic and refractive amblyopia**

*Junjing G, Emil Chynn*

## PO-2219

**Variabilidad en el espesor y el diámetro del colgajo corneal creado con un láser de femtosegundos**

*Narly Ruíz, Rafael Paz, Edna Ángel*

## PO-2306

**The changes of keratometric measurements in Raindrop corneal inlay implantation**

*Woong-Joo Whang, Choun Ki Joo*

## PO-2335

**Emirates protocol**

*Safwan Al Bayati*

## PO-2390

**Demographic, surgical and preoperative optical indices that are associated with dynamic cyclotorsion correction throughout ablation in transepithelial photorefractive keratectomy**

*Soheil Adib-Moghaddam, Saeed Soleyman-Jahi*

## PO-2431

**Refractive lenticule extraction complications**

*Arturo Ramírez, Jesús Cabral, Alejandro Navas, Enrique Graue-Hernández*

## PO-2471

**Long-term results of small incision lenticule extraction**

*Anders Ivarsen, Iben Pedersen, Jesper Hjortdal*

## PO-2519

**Comparación entre la ablación central estimada y la real medida transquirúrgicamente con el Wavelight® Ex500.**

*José Fernández, Manuel Garza*



## PO-2606

**Visual outcomes of hyperopic LASIK performed with the Technolas 217Z Excimer Laser Workstation**

*Victor Preciado, Julio Hernández, Jorge Valdéz, Javier González,*

## PO-2703

**Visual outcomes of myopic LASIK performed with the Technolas 217Z Excimer Laser Workstation**

*Julio Hernández, Victor Preciado, Jorge Valdez, Javier González*

## PO-2771

**Pressure-induced interlamellar stromal keratitis after laser in situ keratomileusis**

*María Gómez, María Álvarez*

## PO-2775

**Asphericity after photorefractive keratectomy (PRK) using two lasers**

*David Lin, Simon Holland*

## PO-2785

**Topography-guided photorefractive keratectomy for irregular astigmatism following penetrating keratoplasty (PK) with 2 refractive lasers**

*Johnson Tan, Simon Holland, David Lin*

## PO-2916

**Anterior chamber gas bubbles during femtosecond laser flap creation with Wavelight Fs 200: management and refractive outcomes.**

*Somsanguan Ausayakhun*

## Retina

### PO-403

**Implantation bio material Masoud Bio Balloon in vitreous cavity for treatment and avoid postoperative complications for macula detachment without silicon oil injections**

*Mehran Masoudnaseri*

### PO-482

**Microscope-integrated intraoperative OCT-guided vitreoretinal surgery: the Moorfields experience**

*Mahi Muqit, Sher Aslam*

### PO-603

**Pliegues retinales posquirúrgicos: evolución natural**

*Alberto Gil, Juan Ramírez, Sergio Rojas, Itzel Espinosa*

### PO-610

**Anterior chamber modifications after vitrectomy in patients with advanced proliferative diabetic retinopathy**

*Jesús Acosta, Itzel Espinosa, Sergio Rojas, Juan Abel Ramírez, Carla Montaña*



## PO-650

### Treatment alternatives in eyes with serpiginous choroiditis complicated with sub-retinal neovascular membrane

*Ali Osman Saatci, Ziya Ayhan, Ömer Takes*

## PO-659

### Antioxidant status in the aqueous humor and blood of patients with retinitis pigmentosa

*Iman Fahmy Mohamed*

## PO-671

### Posterior Vitreous Adhesion and Ischemia in Eyes with Retinal Vein Occlusion

*Thomas Bertelmann, Sebastian Irle, Nadia Kičová, Stefan Mennel, Jörg Schmidt, Stephan Schulze*

## PO-680

### Fibrotic changes associated with antiangiogenic therapy in retinopathy of prematurity

*Francisco Olguín, Andrea Arriola, Celine Franco, María Martínez, Miroslava Meraz, Kenneth Price, Luvia Rodríguez, Virgilio Morales*

## PO-706

### Outcomes of surgical treatment for Von Hippel Lindau retinal angiomas

*Hussain Khaqan*

## PO-721

### Association between hyperreflective foci in foveal cystoid spaces and responsiveness to ranibizumab for diabetic macular edema

*Rima Ghashut, Tomoaki Murakami, Akihito Uji, Shin Yoshitake, Kiyoshi Suzuma, Masahiro Fujimoto*

## PO-776

### Vitrectomy with intraoperative bevacizumab injection for proliferative diabetic retinopathy in pseudophakic patients

*Rohit Sanjay Laul, Atif Mir, Shazia Shafi*

## PO-813

### Level of vascular endothelial growth factor in vitreous fluid of proliferative diabetic retinopathy patients and prognosis after vitrectomy

*Yukihiko Suzuki, Kaori Suzuki, Shizuka Takahashi, Reiko Tanabu, Natsuki Monai, Mitsuru Nakazawa*

## PO-817

### “Step by step” technique of ILM fragment formation for macular hole closure

*Iurii Belyi*

## PO-829

### Toxoplasmosis ocular en paciente con síndrome de inmunodeficiencia adquirida

*Saúl Cortés, Sonia Cisneros, Enrique Roig, Manuel Páez, Carmen Soria*

## PO-830

### Pattern of visual field changes after vitrectomy for epiretinal membrane or macular hole in glaucomatous eyes

*Shunsuke Tsuchiya, Tomomi Higashide, Kazuhisa Sugiyama*



## PO-869

**Oclusión de la arteria central de la retina en paciente de 9 años con yuxtaposición aortocaval, estenosis infundibular, dextrocardia y heterotaxia visceral**

*Manuel Páez, Diana Arévalo, Carmen Soria, Saúl Cortés, Enrique Roig, Emma Teresa Villaseñor*

## PO-876

**Autofluorescence pattern documented in RPGR gene associated cone dystrophy**

*David Magaña, Amairani Rodríguez, Dunia Siu, Efraín Romo, Julio Ceja*

## PO-879

**Sclopetary retinopathy: a case report**

*Sergio Sifuentes, Luis Gittins, Adolfo Monroy, Luz Rodríguez, Julieta Villar*

## PO-881

**Técnica de doble tinción con azul brillante en patología macular y su efecto en células ganglionares**

*Hugo Ernesto Sepúlveda, Fernando Schoonewolff, Juan Manuel Jiménez, Virgilio Morales, Daniel Ochoa, Ana Karina Fabre*

## PO-892

**Conversion to aflibercept for diabetic macular edema unresponsive to ranibizumab or bevacizumab**

*Laurence Lim, Leo Kim, Thanos Papakostas*

## PO-910

**Retinoschisis-like changes in vitelliform dystrophy: an unusual OCT finding**

*Sibel Demirel*

## PO-957

**Intravitreal injection of bevacizumab in retinal detachments at high risk for proliferative vitreoretinopathy: a randomized pilot clinical trial**

*Adib Tousi, Masoud Soheilian*

## PO-972

**Clinical characteristics and follow-up of patients with peripheral exudative hemorrhagic chorioretinopathy**

*Nur Kir, Zafer Cebeci*

## PO-1007

**Oxygen induced retinopathy in preterm newborns**

*Linda Cernichiaro, Kenneth Price, Andrée Henaine, Virgilio Morales, María Martínez*

## PO-1008

**Metástasis retineana secundario a un tumor germinal no seminomatoso**

*Hugo Salcedo, Mónica Hernández, Sofía Bravo*

## PO-1029

**Epiretinal membrane development after vitrectomy for rhegmatogenous retinal detachment: visual outcome and clinical characteristics**

*Kunihiko Akiyama, Kaoru Fujinami, Ken Watanabe, Kazushige Tsunoda, Toru Noda*



## PO-1030

### In-vivo feasibility study of a novel intraocular implant to treat the chronic eye diseases AMD and DME

*Adiel Barak*

## PO-1031

### High resolution nano material based visual prosthesis

*Adiel Barak, Dorit Raz-Prag, Yael Hanein*

## PO-1070

### Neuro-degeneration in type-2 diabetes: evidence from SD-OCT

*Jay Chhablani, Giulio Barteselli, Harsha Rao*

## PO-1074

### Síndrome de Grönblad-Strandberg/ Grönblad-Strandberg Syndrome.

*Felipe Mata*

## PO-1077

### Inner retinal thinning after Brilliant-Blue G assisted internal limiting membrane peeling for vitreo-retinal interface disorders

*Jay Chhablani, Vikas Ambiya, Abhilash Goud*

## PO-1101

### Hallazgos por tomografía de coherencia óptica en pacientes con fractura coroidea

*Mariana Camacho, Renata García, Miguel Vázquez, Betsabé Urías, Verónica Romero*

## PO-1118

### Retinal hemorrhages in healthy newborns

*Pavel Flores, Andrée Henaine, Jorge Morales, Julio Rodríguez*

## PO-1129

### Correlation between visual acuity and microstructural changes after intravitreal bevacizumab therapy in naïve idiopathic choroidal neovascularization

*Syed Nasir Shah*

## PO-1152

### Timely diagnosis and management of Klebsiella pneumoniae induced panophthalmitis

*Narayanan Balakrishnan, Narayanan Balakrishnan, Suhas Prabhakar, Arvind Babu, Sindhu Parkavi I, Shantha Sruthi M, Sri Gautham Bodduluri*

## PO-1173

### Rare findings in posterior nanophthalmos

*Sana Rasool, Kelvin Wong, Saraswathi Ramamurthi, Michael Gavin*

## PO-1202

### Short term results of sequential therapy with intravitreal dexamethazone iimplant and ranibizumab in patients with persistent diabetic macular edema

*Göktuğ Seymenoğlu*



## PO-1208

**Two-year real world clinical outcomes in patients diagnosed with NAMD treated with ranibizumab given in a monthly PRN or monitor-and-extend regimen.**

*Deepali Varma, Ajay Kotagiri*

## PO-1234

**Función retiniana en miopía alta valorada por electrofisiología**

*Carolina Molina, Ángeles Hernández*

## PO-1236

**Combinación intravítrea de dexametasona más ranibizumab en el edema macular refractario a antiangiogénicos. Hospital Central Militar-Mexico DF**

*Fátima Romero, José Arroyo, Jorge García, Luis Iniesta, Sara Lichi Ruíz, Gabriel Ochoa*

## PO-1242

**Experiencia con el uso de ranibizumab intravítreo en casos de retinopatía del prematuro en el Hospital Central Militar - Mexico DF periodo 2014**

*Sara Lichi Ruíz, José Arroyo, Jorge García, Luis Iniesta, Gabriel Ochoa, Fátima Romero*

## PO-1250

**Peculiarities of vitrectomy and morphological changes in the epiretinal membrane after intravitreal aflibercept in patients with severe proliferative diabetic retinopathy**

*Vera Ponomarchuk*

## PO-1259

**One-year outcome of intravitreal aflibercept injections for age-related macular degeneration: comparison between treatment-naïve and treatment-converted cases**

*Akane Fujii, Kunihiro Akiyama, Kaoru Fujinami, Akiko Maeda, Ken Watanabe, Kazushige Tsunoda, Toru Noda*

## PO-1260

**The disparity in the severity, progression and intervention of retinopathy of prematurity (ROP) in premature identical twins**

*Mohamed Anjum Iqbal, Radha Annamalai, Allen Raveendran, Shantha Sruthi M, Sri Gautham Bodduluri, Sindhu Parkavi I, Narayanan Balakrishnan*

## PO-1354

**Diabetic retinopathy prevalence among northern mexican adult population.**

*Jesús Lozano, Danilo Tueme, César Villarreal, Eduardo Valdez*

## PO-1360

**Refractory subfoveal subretinal fluid in patients with neovascular age-related macular degeneration: is there protective effect on good visual acuity?**

*Suleyman Kaynak, Mahmut Kaya, Taylan Ozturk, Burak Unlu, Nilufer Kocak*

## PO-1369

**Oclusiones venosas retinianas: epidemiología del Instituto Mexicano De Oftalmología I.A.P. durante el periodo 2007-2014**

*Paulina Ramírez, Renata García, Betsabé Urías, Miguel Vázquez, Verónica Romero*



## PO-1375

**Características epidemiológicas de los pacientes con degeneración macular relacionada a la edad variedad exudativa en un centro de referencia de la Ciudad De Mexico**

*Jorge Cárdenas, Daniel Ochoa, Marco Antonio Torres*

## PO-1382

**Systemic oxygen therapy versus oral enalapril for treatment of diabetic macular ischemia: a randomized controlled trial**

*Masoud Soheilian, Farideh Sharifipour, Mohammadreza Razzaghi, Alireza Ramezani, Mohsen Azarmina, Mehdi Yaseri*

## PO-1394

**Cambios microestructurales en la Tomografía de coherencia óptica de dominio espectral en el tratamiento de agujero macular y su relación con resultados funcionales**

*Mariana Flores, Carla Montaña*

## PO-1398

**Clinical characteristics of central serous chorioretinopathy occurring in elderly patients**

*Chiharu Iwahashi, Yuki Komuku, Shinsaku Yano, Chika Tanaka, Tomoya Nakagawa, Fumi Gomi*

## PO-1435

**Blue cone monochromatism**

*Ana Beatriz Enríquez, Juan Manuel Jiménez*

## PO-1445

**Optical coherence tomography findings in patients with myopic maculopathy**

*Serra Arf, Isil Sayman Muslubas, Mumin Hocaoglu, Murat Karacorlu, Hakan Ozdemir*

## PO-1476

**Outcome of vitreous surgery for complications of proliferative diabetic retinopathy in type I diabetes in subjects aged  $\leq 30$  years**

*Vinata Muralidharan, Kushal Delhiwala, Rajiv Raman, Tarun Sharma, Pramod Bhende, Parveen Sen*

## PO-1478

**Effect of spectral domain optical coherence tomography image quality on macular thickness measurements and error rate**

*Khalil Ghasemi Falavarjani*

## PO-1489

**Assessment of inner retinal function with photopic negative response (PHNR) and photopic B wave amplitude in patients with retinitis pigmentosa.**

*In Hwan Cho, Hyeong Gon Yu*

## PO-1491

**Panfotocoagulación retiniana ( PFCR ) con laser multipunto "Valon" vs laser monopunto (Oculight GI Iridex ) en el manejo de retinopatía diabética proliferativa ( RDP ) en pacientes del Instituto Mexicano De Oftalmología I.A.P.**

*Gerardo Rivera, Renata García, Betsabé Urías, Verónica Romero*





## PO-1507

### Results of 10 years of retinopathy of prematurity examination

*Sema Arvas, Solmaz Akar, Didar Ucar, Burcu Balta*

## PO-1512

### Cases of photic maculopathy at dentists

*Lukpan Orazbekov, Tursungul Botabekova*

## PO-1527

### The comparison of the long-term impact between silicone oil and heavy silicone oil on the rabbit retina

*Min Wu, Volodymyr Naumenko, Nataliya Pasychnikova*

## PO-1541

### Effect of recombinant erythropoietin on structural retina changes

*Tatiana Pilkevich, Volodymyr Naumenko, Nataliya Pasychnikova*

## PO-1552

### Caso clínico: obstrucción de la arteria central de la retina secundaria a papiledema por sospecha de infiltración a sistema nervioso central

*Teresa Díaz, Renata García*

## PO-1570

### Marcadores en las alteraciones de la interfase vitreomacular.

*Jesús González, Ezequiel Treviño, Jaime Dávila, Manuel De Alba, Josué Lozano, Juan José Toledo, Valeria Zapata, Hugo Treviño, Carlos Azuara, Jesús Mohamed Hamsho*

## PO-1577

### Fractional vitrectomy instead of anterior chamber paracentesis in scleral buckling

*Alireza Ramezani, Shahram Banaie, Morteza Entezari*

## PO-1609

### Síndrome compartimental orbitario secundario a inyección intravítrea de antiangiogénicos. Reporte de caso

*Alan Ricardo Alba, Virgilio Morales*

## PO-1638

### Experiencia con la aplicación de antiangiogénicos en patología retiniana en el periodo de enero 2012 a junio de 2013, en el Instituto Mexicano De Oftalmología I.A.P.

*Carlos Vásquez, Verónica Romero, Renata García*

## PO-1660

### Genetic association of polymorphisms in the P53 and LTA genes with proliferative vitreoretinopathy after retinal detachment surgery in mexican population.

*Natalia Quiroz, Salvador López, José Luis Rodríguez, Juan Zenteno*

## PO-1666

### Evolución y resultados del switch terapéutico entre bevacizumab y aflibercept en pacientes con degeneración macular relacionada a la edad (DMRE)

*Paula Serraino, Arturo Alezzandrini, María Agustina Tammaro*



## PO-1669

The distances between optic disc and retinal vessels during the formation of idiopathic macular hole

Masahiro Ishida, Yoshikazu Ichikawa, Yutaka Imamura, Rieko Kato

## PO-1686

Eficacia de bevacizumab intravítreo en pacientes con diagnóstico de degeneración macular relacionada con la edad de tipo húmeda que acuden a la consulta de retina del Instituto Mexicano De Oftalmología I.A.P.

Kristo Aronne, Renata García, Betsabé Urías, Verónica Romero, Miguel Vázquez

## PO-1692

Transcorneal electrical stimulation in a case of retinitis pigmentosa

María Pefkianaki, Julia Haller, Larry Donoso, Ann Murchison, Robert Sergott, Jasleen Jolly, Carrie Hanson, Jay Federman

## PO-1712

Comparison of macular pigment optical density in patients with dry and wet age-related macular degeneration

Nilufer Kocak, Ayhan Ozyurt, Pinar Akan, Ozlem Gursoy Calan, Mahmut Kaya, Taylan Ozturk

## PO-1718

The effect of intravitreal injection of triamcinolone vs bevacizumab vs sham treatment during phacoemulsification on diabetic macular edema

Siamak Moradian, Masoud Salehipour, Mohammad Mohammadzadeh, Kiumars Heidari Garfami, Hamid Ahmadi, Masoud Soheilian, Mohammad Hossein Dehghan, Mohsen Azarmina

## PO-1735

Evaluation and comparison of anatomical and functional implications of three versus five millimetres diameter internal limiting membrane peeling in surgery for idiopathic macular hole repair

Aditya Modi

## PO-1736

Intravitreal tissue plasminogen activator for treatment of vitreomacular adhesion

Masoud Soheilian, Saeed Karimi, Siamak Moradian

## PO-1754

Luxación de cristalino a cámara anterior y retinopatía por descompresión ocular en paciente de 5 años con diagnóstico de síndrome de Weill Marchesani.

Daniel Ontiveros, Diana Arévalo, Enrique Roig, Marilyn Padilla

## PO-1756

Spectral domain optical coherence tomography based retinal layers segmentation and analysis post internal limiting membrane peeling for idiopathic macular hole surgery

Aditya Modi



## PO-1759

### Basal laminar drusen with vitelliform macular detachment

*Figen Sermet*

## PO-1763

### OM-201 halts the occurrence of cellular senescence of retinal pigment epithelial cells, a possible new agent to arrest progression of early dry AMD

*Ayala Pollack, Zeev Dvashi*

## PO-1776

### Clinical outcomes of aflibercept in wet age-related macular degeneration

*Alisha Damani, Tarunan Loganathan, Assad Khan, Dan Nguyen, Venkat Kotamarthi*

## PO-1785

### Macular thickness asymmetry in diabetic retinopathy

*Ayse Gul Kocak Altintas, Bayram Gulpamuk, Kemal Tekin, Veysel Cankurtaran*

## PO-1805

### Effects of vitreomacular adhesion on anti-vascular endothelial growth factor treatment for age-related macular degeneration

*Naoki Matsuoka, Takeo Fukuchi, Hiruma Hasebe*

## PO-1808

### Next-generation sequencing of ABCA4: high frequency of complex alleles and novel mutations in patients with retinal dystrophies from central europe

*Anna Ambroziak, Aneta Ścieżyńska, Magdalena Korwin, Kamil Szulborski, Rafał Płoski, Maciej Krawczyński, Piotr Stawiński, Dominika Oziębło, Jerzy Szaflik, Jacek Szaflik, Monika Oldak*

## PO-1831

### Intravitreal aflibercept for choroidal neovascularization associated with with angioid streaks: pilot study

*Taras Kustryn, Illia Nasinnyk, Andrii Korol*

## PO-1841

### Prospective phase I safety and tolerability evaluation of a novel minimally-invasive episcleral brachytherapy device for the treatment of exudative age-related macular degeneration (EAMD): 24 month results

*Kam Balaggan, Reid Schindler, Leonard Joffe, Baldassarre Stea, Mary Drew, Laurence Marsteller*

## PO-1844

### Treatment of the retinal arterial macroaneurysm by ranibizumab and laser coagulation: a case report

*Illia Nasinnyk, Andrii Korol*

## PO-1862

### A retrospective review of scleral buckling procedures performed at a tertiary care center in Karachi, Pakistan

*Farzeen Hashmi, Azam Ali, Khabir Ahmad*



## PO-1874

**Comparative trial of triamcinolone acetonide treatment of serous pigment epithelial detachments associated with age-related macular degeneration (follow-up 3 year)**

*Taras Kustryn, Alla Nevska, Andrii Korol*

## PO-1879

**Retinal NFL thickness changes after intravitreal bevacizumab with and without anterior chamber paracentesis**

*Talie Montahai, Mojtaba Valizadeh, Alireza Ramezani, Roham Soheilian, Masoud Soheilian*

## PO-1883

**Lower choroidal thickness values in patients with Stargardt's disease: clinical significance**

*Gungor Sobaci, Esra Vural, Ugur Acar, Koray Sevinc, Seckin Aykas, Mesut Erdurmus*

## PO-1887

**Management of Coats' disease with 577 Nm laser ablation therapy**

*Hatice Kanar, Aysu Arsan*

## PO-1889

**The impact of fenofibrate on the ocular blood flow in patients with dry form of age-related macular degeneration**

*Tatiana Kiseleva, Vladimir Neroev, Ekaterina Eremeeva, Kamilla Ramazanova, Marina Ryabina*

## PO-1890

**Reduction of central choroidal thickness after intravitreal bevcizumab for DME and its correlation with central macular thickness**

*Ramin Nourinia, Hamid Ahmadi*

## PO-1901

**Comparative efficacy of anti-VEGF in the treatment of wet age-related macular degeneration**

*Andrii Korol, Taras Kustryn, Sergiy Shambra, Oleg Zadorozhnyy*

## PO-1904

**Vitrectomía en edema macular diabético resistente a tratamiento convencional**

*José Ezequiel Díaz, Sergio Rojas, Juan Abel Ramírez, Arthur Levine, Benito Celis, Adriana Saucedo, Carla Montañó, Ángeles Hernández, Itzel Espinosa, Araceli Rojas*

## PO-1926

**Neovascularization at the disc secondary to melanocytoma of the optic disc**

*Dipak Nag, Rinku Paul, Pankaj Roy*

## PO-1928

**Characteristics of fundus autofluorescence in active polypoidal choroidal vasculopathy**

*Jale Mentis, Zafer Öztaş, Serhad Nalçacı, Mine Barış*

## PO-1942

**Tomographic analysis of subretinal fluid in the course of double patching prior to retinal detachment surgery**

*Stefan Mennel, Kleanthis Manousaridis, Silvia Reichart*



## PO-1954

**A clinical study of 100 cases of diabetic maculopathy - incidence, prediction, diagnosis and management**

*Narayanan Balakrishnan, Arvind Babu, Allen Raveendran, Mohamed Anjum Iqbal, Sindhu Parkavi I*

## PO-1958

**Athermal versus thermal scleral buckling for phakic rhegmatogenous retinal detachment**

*Alireza Ramezani, Parisa Ashtar-Nakhaie, Arman Molazadeh, Morteza Entezari*

## PO-1961

**Rhegmatogenous retinal detachment in children**

*Sibel Kadayifcilar, Afsun Sahin, Mehmet Eldem*

## PO-1994

**Utilidad de la inyección de SF6 intravitreo en la predicción de la respuesta al tratamiento con ocriplasma en pacientes con síndrome de tracción vitreo-macular idiopático.**

*Sebastián Laza, María Elena Vergara, Natalia Montes, Silvana De León, Daniela Quintana, Juan Gambini*

## PO-2004

**Enfermedad de Eales en un paciente latinoamericano. Presentación de un caso clínico y análisis de la literatura.**

*Guillermo Mendoza, Diana Arévalo, Marylin Padilla, Miriam Becerra, Enrique Roig*

## PO-2006

**Repeatability and limits of agreement for retinal and choroid thickness measures in patients with neovascular AMD; distance of choroid study: Docs.**

*Kam Balaggan, Tomas Ilginis, Daren Hanumunthadu, Marie Restori, Mary Drew, Laurence Marsteller*

## PO-2011

**The measurement of plasma calprotectin at different stages of diabetic retinopathy in patients with type 2 diabetes mellitus**

*Zhifeng Wu*

## PO-2013

**Hallazgos en OCT de un paciente con quemadura solar retiniana.**

*Manuel Zepeda, Magda Peña, Ana González, Laura Ray Saucedo, Emma Teresa Villaseñor, Miriam Becerra*

## PO-2039

**Epidemiología del desprendimiento regmatógeno de retina en un centro de referencia oftalmológica en la Ciudad De Mexico.**

*Irving Carral, Carlos Carral, Victoria González, Marco Antonio Torres, Daniel Ochoa*

## PO-2041

**Resolution of vitreomacular traction syndrome following intravitreal bevacizumab injection**

*Carlos Sjöholm*



## PO-2042

### Retinoblastoma, casos atípicos

Lorena Ramírez, Arturo Enríquez, Patricia Garza, Jessica Salazar

## PO-2043

### Non-perfusion area and absolute scotoma in branch retinal vein occlusion

Hiroyuki Iijima

## PO-2090

### Hamartoma combinado de retina y epitelio pigmentado: antes y después

Vidal Soberón, María Martínez

## PO-2097

### Disminución del Engrosamiento Foveal en Pacientes con Edema Macular Diabético Tratados con Lucentis.

José Rosales

## PO-2103

### Efficacy of dexamethasone versus bevacizumab on regression of hard exudates in diabetic maculopathy – 24 month bevordex trial results

Hemal Mehta, Samantha Fraser-Bell, Aaron Yeung, Anna Campain, Lyndell Lim, Pearse Keane

## PO-2115

### Rud syndrome

Elizabeth Martínez

## PO-2126

### Retinopatía hipertensiva bilateral en paciente de 14 años, presentación de un caso.

Nasim Miguel

## PO-2133

### Hallazgos en tomografía de coherencia óptica de dominio espectral (TCO-SD) en pacientes con degeneración macular relacionada a la edad (DMRE) previos al desarrollo de membrana neovascular coroidea (MNV) o atrofia geográfica (AG)

Claudia Martínez, Juan Ramírez, Sergio Rojas, Adriana Saucedo, Carla Montaña, Ángeles Hernández, Araceli Rojas, Itzel Espinosa, Arthur Levinez

## PO-2144

### Efecto de la terapia antimineralocorticoide con espironolactona vía oral en post operado de retinopexia con cerclaje escleral con líquido subfoveal residual crónico: reporte de caso.

Jorge García, Gabriel Ochoa, José Arroyo, Luis Iniesta, Sara Lichi Ruíz, Fátima Romero

## PO-2157

### Comparación del efecto de agujas de 27g vs 30g en el reflujo vítreo y el dolor, en la aplicación de inyecciones intravítreas de bevacizumab

Ana Aveiro, Ingrid Castro, Sara Pozzi, Adriana Caballero

## PO-2178

### Enfermedad de Coats bilateral: reporte de un caso

Enrique Zaldívar, Patricio Rodríguez, Juan Páez



## PO-2222

**Risk factors for metamorphopsia in patients with central serous chorioretinopathy using M-Charts**

*Hakyoung Kim, So Hyun Bae*

## PO-2226

**10-year follow up of bilateral choroidal osteoma in two siblings: clinical findings and anti-VEGF therapy for choroidal neovascularization.**

*Brenda Juárez, Linda Cemichiaro, Juan Manuel Jiménez*

## PO-2251

**Choroidal metastasis of erlotinib-failed non-small cell lung cancer that responded to intravitreal bevacizumab**

*Victoria González, Mariana Mayorquín, Eduardo Moragrega, José Luis Guerrero, Virgilio Morales*

## PO-2258

**Mutación P.Tyr284Cys en el gen Best 1 como causa de enfermedad de Best (Distrofia viteliforme macular)**

*Moisés Nuño, Sofía López, Óscar Chacón, Vanessa Villegas, Beatriz Buentello, Juan Zenteno*

## PO-2268

**Influence of vitreomacular interface on anti-VEGF therapy in wet-AMD patients**

*Liga Radecka, Eriks Elksnis, Guna Laganovska*

## PO-2272

**Pre-retinal inflammatory precipitates (PIP) in three cases of acute retinal necrosis caused by herpes zoster virus**

*Mya Ohn*

## PO-2275

**Anatomic prognostic factors for visual outcomes following pars plana vitrectomy**

*Kelly Montes, Francisco Rodríguez*

## PO-2276

**Reporte de un caso de síndrome de Wyburn Mason**

*Elizabeth Domínguez*

## PO-2288

**Clinical effectiveness of ranibizumab for NAMD in UK and Australia: a retrospective cohort study using electronic medical records**

*Robert Johnston, Hans-Joachim Carius, Alberto Ferreira, Fran Milnes, Rita Freitas*

## PO-2299

**Bilateral optic nerve head coloboma with choroidal neovascular membrane: long term results of anti VEGF treatment**

*Hurkan Kerimoglu, Gunhal Satirtav, Refik Oltulu, Mehmet Okka*

## PO-2311

**Decrease of macular choroidal blood flow velocity and choroidal thickness of acute central serous chorioretinopathy treated by photocoagulation**

*Kouhei Hashizume, Yasunori Nishida, Mana Nagasawa, Daijiro Kurosaka*



## PO-2315

### Comparison of 30° and 55° autofluorescence lifetime images in healthy volunteers

*Matthias Klemm, Alexander Dietzel, Jens Haueisen, Edgar Nagel, Dietrich Schweitzer*

## PO-2329

### Dexamethasone implant in diabetic maculopathy with dense lipid exudates – a pilot study

*Manish Saxena, Neha Saxena*

## PO-2333

### Pneumatic retinopexy in patients with pseudophakic retinal detachment

*Gursel Yilmaz, Zeynep Ercan, Sezin Bayar, Eylem Pinarci, Imren Akkoyun*

## PO-2339

### Effect of corneal astigmatism on visibility through wide-viewing system (Resight® 60 D) in model eye

*Taro Seino, Takayuki Ozeki, Kouhei Hashizume, Makoto Inoue, Daijiro Kurosaka*

## PO-2343

### Visual and anatomical outcome following treatment with anti-vascular endothelial growth factor, anti-VEGF agents in young adults with non myopic subfoveal choroidal neovascular membranes CNVM.

*Sundaram Natarajan, Divya Gupta, Purva Date-Valvekar*

## PO-2352

### Ophthalmic artery occlusion after facial fat transfer procedure

*Jorge Berganza, Jorge Morales, Andrée Henaine*

## PO-2354

### The short-term efficacy of micropulse yellow (577-Nm) laser photocoagulation in diabetic macular edema

*Aysu Arsan, Hatice Kanar*

## PO-2355

### Reduction of choroidal blood flow after intravitreal of anti-VEGF agents.

*Kenichi Murai, Kouhei Hashizume, Yuitane Itoh, Daijiro Kurosaka*

## PO-2356

### Comparison of visibility between contact lens for vitreous surgery and wide-viewing system (Resight® 60 D) in model eye inserted with a toric intraocular lens

*Chiemi Chiba, Takayuki Ozeki, Kouhei Hashizume, Makoto Inoue, Daijiro Kurosaka*

## PO-2367

### Late rhegmatogenous retinal detachment - a retrospective study

*Rita Couceiro, Mário Canastro, Faria Mun*

## PO-2377

### Activation of Type 5 metabotropic glutamate receptor promotes proliferation of rat retinal progenitor cells with activation of PI-3-K and MAPK signaling pathways

*Feng Hu*





## PO-2392

### Iatrogenic eccentric full thickness macular holes following vitrectomy with ILM peeling

Gursel Yilmaz, Zeynep Ercan, Sezin Bayar, Eylem Pınarçı, İmren Akkoyun

## PO-2394

### Choroidal thickness in high myopic patients with maculopathy

Pei-Chang Wu, Yi-Chieh Poon, Mei-Ching Teng

## PO-2427

### Comorbidities associated with central retinal vein occlusion and branch retinal vein occlusion in young patients

Moncef Khairallah, Rim Kahloun, Nesrine Abroug, Bechir Jelliti, Sonia Attia, Sonia Zaouali, Salim Ben Yahia

## PO-2438

### Vitrectomy and silicon oil for inferior break retinal detachments, did additional use of scleral buckles improve success?

Olufemi Oderinlo, Adekunle Hassan

## PO-2441

### Outcome of submacular haemorrhage displacement and drainage following injection of intravitreal tissue plasminogen activator (TPA)

Alexandra Dumitrescu-Drăgan, Ying Lucia Dong, Mostafa Elgohary

## PO-2478

### Pericyte status assessment in tissue obtained from routinely discarded vitrectomy samples as a possible early marker for diabetic retinopathy

Pablo Zoroquiain, Natalia Vila, Sarah Alghamdi, Ana Beatriz Toledo, Miguel Burnier

## PO-2481

### Assessment of visual function by multifocal, pattern electroretinography and visual evoked potential before and after idiopathic epimacular membrane removal.

Andras Hari-Kovacs, Marta Janaky, Tamas Gyetvai, Goran Petrovski, Andrea Facsko

## PO-2490

### Retinopatía leucémica como presentación inicial de la leucemia mieloide crónica

Saira Pérez

## PO-2503

### Cases of dexamethasone intravitreal implant in different pathologic conditions

Veronika Aslanova

## PO-2508

### OCEAN: first 2-year results of patients with neovascular age-related macular degeneration (nAMD) after completed patient recruitment

Focke Ziemssen



## PO-2522

### Acute annular outer retinopathy: report of three cases

*Xiao-Ming Li, Shi-Hui Wei*

## PO-2528

### Postmarketing safety report on ocriplasmin therapy for vitreomacular traction

*Jans Fromow*

## PO-2557

### Comparison of structural and functional changes following intra-vitreous aflibercept in patients with neovascular age-related macular degeneration, diabetic macular edema, and macular edema secondary to retinal vein occlusion.

*Andleeb Zafar, Helena Cilliers*

## PO-2562

### One case of binocular multiple evanescent white dot syndrome

*Oksana Vitovska, Irina Deryapa, Karandiuk Natalia*

## PO-2585

### Assessment of anatomical and functional outcomes in the ocriplasmin for vitreomacular traction intravitreal injection decisions (OVID-II) trial

*René Cano*

## PO-2593

### Traumatismo por aceleración - desaceleración y estrías angioides ocultas: una reacción en cadena.

*Julia Fajardo, Carlos Enrique Chau*

## PO-2595

### Ciliopathic genetic disorders

*Armando Sandoval*

## PO-2618

### Transcorneal electrical stimulation treatment for patients with retinitis pigmentosa – Summary of results from the TESOLA study - a multicentric observational study

*Lubka Naycheva, Peter Martus, Barbara Wilhelm, Guido Blaess, Florian Gekeler*

## PO-2639

### Chaetomium and Bacillus mycoides endophthalmitis simultaneously following anti-VEGF injection

*Özlem Şahin, Samet Gülkaş, Hande Çeliker*

## PO-2661

### Efectividad del propranolol en comparación con el ranibizumab en la inhibición de la neovascularización del polo posterior inducida en conejos

*Guillermo Flores*

## PO-2681

### Unusual presentation of ocular tuberculosis: simultaneous bilateral vaso-occlusive disease

*Ricardo Chapa, Andrée Henaine, Jorge Morales*



## PO-2693

### Postoperative endophthalmitis: therapeutic results and early vitrectomy

*Imen Mokni, Olfa Fekih, Leila Nacef*

## PO-2702

### Effect of dexamethasone implants (Ozurdex) on foveal sensitivity to ranibizumab (Lucentis) in retinal vein occlusions

*Venkatadri Sampat, Yeganeh Moghaddam, Raminder Singh*

## PO-2704

### Photostimulation Subthreshold Pascal Laser in the Treatment of Chronic Central Serous Chorioretinopathy

*Juan Arias, Virgilio Galvis, Andrés Osorio, Rodrigo Barrera, Carlos Ávalos, David Paredes*

## PO-2742

### Asociación entre grado de retinopatía diabética, niveles de hemoglobina glucosilada y pruebas de función renal en pacientes mexicanos con diabetes mellitus tipo 2

*Octavio Limón, Victoria González*

## PO-2748

### Uso de implante intravítreo de dexametasona de liberación sostenida y ranibizumab para tratamiento combinado de edema macular diabético: reporte de casos

*Julio Pérez, Leonor Hernández, Luis Porfirio Orozco, Elisa Pérez, Silvia Hernández*

## PO-2758

### Retinopatía del niño maltratado

*Luis Moreno, Leonor Hernández, Luis Porfirio Orozco*

## PO-2803

### Distrofia Reticular de Sjögren. A propósito de un caso.

*Patricia De La Torre, Vanesa Flores*

## PO-2822

### Pie diabético como predictor de retinopatía diabética.

*Verónica Tamez, Humberto Cavazos, Jesús Mohamed Hamsho, Gerardo Enrique Muñoz, Rogelio Salinas, Ezequiel Treviño*

## PO-2825

### Metástasis a coroides como primera manifestación de un carcinoma renal: caso clínico.

*Walter Martínez, Diana Parra*

## PO-2827

### Aspergillus endophthalmitis following penetrating keratoplasty for contact-lens-related fungal keratitis

*Wen-Hsiang Lee, Kendall Donaldson, Sarah Wellik, Darlene Miller*

## PO-2853

### Neurorretinitis por *Borrelia burgdorferi* : reporte de un caso

*Alejandro López, María Del Carmen Peralta*



## PO-2898

### Tumor metastásico de retina. A propósito de un caso.

Ana Díaz, Moisés Nuño

## PO-2900

### A meta-analysis and systematic review of the influence of vitreomacular adhesions on the outcome of anti-vascular endothelial growth factor (VEGF) therapy in neovascular age-related macular degeneration (AMD) patients

Harry Dang

## Uveitis

### PO-596

### Intermediate uveitis in a cohort of 59 patients

Radgonde Amer, Ligia Sancho

### PO-626

### The utility of anterior chamber paracentesis with polymerase chain reaction in anterior uveitis with diagnostic dilemma

Kritika Chopra, Namita Anagol

### PO-736

### Efficacy of aflibercept on cytomegalovirus (CMV) retinitis associated macular edema

Ian Yeung, Rita Gangwani, Ling Chen, Iris Li, Thomas Chan, Yu-Yan Hwang, Ian Wong, Robert Nussenblatt

## PO-760

### Posterior segment manifestations in HIV/AIDS patients

Jorge Morales, Ricardo Chapa, Patricia Rodríguez, Andrée Henaine

## PO-784

### Ocular nocardiosis

Claudia Recillas, Juan Calva, Mauricio Ostrosky, Alejandra Juárez

## PO-979

### Correlation between visual acuity and optical coherence tomography features in patients with uveitic macular edema

Carlos Álvarez, Alejandro Rodríguez, Antonio Villarreal, Rosa Martínez

## PO-993

### Intraocular parasitosis by a trematode.

Pablo Guzmán, Karla Van Dick, Mariana Takane, Cristina González, Miguel Pedroza

## PO-1049

### Infliximab for sight-threatening and refractory uveitis of Behcet'S syndrome

Didar Ucar, Vedat Hamuryudan, Yilmaz Ozyazgan

## PO-1057

### Results of antitubercular therapy in serpiginous choroiditis and multifocal serpiginoid choroiditis associated with latent tuberculosis

Merih Oray, Zaur Zakiev, Tulin Cagatay, Ilknur Tugal Tutkun



## PO-1093

### Refractive error changes during active uveitis

Mahsa Zameni, Safa Rahmani, Alireza Ramezani, Mehdi Yaseri, Masoud Soheilian

## PO-1162

### Changes in multifocal ERG (mfERG) responses in treated white dot syndromes

Amala George, Samaresh Srivastava

## PO-1166

### An outbreak of endophthalmitis after intravitreal injection of counterfeit bevacizumab from two separate batches

Morteza Entezari, Hamid Ahmadi, Amir Mahmodi, Hamid Parhisgar, Saeed Karimi, Mehdi Yaseri

## PO-1246

### Uveitis intermedia en esclerosis múltiple

Rosa Zavala, Stephanie Voorduin, María Teresa Valdez, Milton Maldonado, Francisco Martínez

## PO-1474

### Seasonal variation of acute anterior uveitis in taiwan

Ya-Yun Yang, Yueh-Chang Lee, Tsung-Cheng Hsieh, Ming-Shan He, Yuan-Chieh Lee

## PO-1615

### Tratamiento de toxoplasmosis ocular activa en un centro de referencia oftalmológico en la Ciudad De Mexico

Mariana Urdapilleta, Ethel Guinto, Miguel Pedroza

## PO-1624

### Ocular Toxoplasmosis Presenting as Neuroretinitis and Anterior Optic Neuropathy

Tulay Akcetin, Kadir Eltutar, Belma Karini

## PO-1652

### Vasculopatía oclusiva retiniana asociada a anemia de Fanconi

Alan Nishimura, Elizabeth Baqués, Stephanie Voorduin, María Guadalupe Tenorio, María Teresa Valdez

## PO-1654

### Manifestaciones oftalmológicas en pacientes con sepsis

Paulina Rodríguez, Stephanie Voorduin

## PO-1674

### Retinitis granular por citomegalovirus

Verónica Romero, Renata García, Miguel Vázquez, Betsabé Urías, Carlos Vásquez

## PO-1699

### Role of ultrawidefield fluorescein angiography (UWFFA) in detecting peripheral vasculitis in uveitis

Avinash Gurbaxani

## PO-1708

### Safety and efficacy of intravitreal methotrexate in the treatment of cystoid macular edema associated with pars planitis.

Irma Fernández, Rashel Cheja, Luz Elena Concha, Lourdes Arellanes



## PO-1731

**Spectral domain optical coherence tomography in multifocal serpiginoid choroiditis**

*Neha Goel*

## PO-1745

**Clinical presentations and management of presumed choroidal tuberculosis.**

*Eman Abo Taleb*

## PO-1823

**Evaluation of the association between complexin 1 gene and Behçet disease.**

*Nilüfer Yalçındağ, Yeşim Gedik-Oğuz*

## PO-1824

**Biomechanical and refractive corneal changes in patients with anterior scleritis**

*Juan Elizondo, Luz Elena Concha, Valeria Sánchez, Jesús Jiménez-Arroyo, Lourdes Arellanes*

## PO-1835

**From studies in vitro to clinical practice: photodynamic therapy of fungal inflammatory eye diseases**

*Oleksandra Zborovska*

## PO-1971

**Presumed ocular tuberculosis at a tertiary care center in Lebanon**

*Rola Hamam, Huda Sheheitti, Wajiha Kheir*

## PO-1974

**Clinical manifestations of ocular tuberculosis in an ophthalmologic reference center in Mexico City**

*Erick Rebolledo, Miguel Pedroza, Yasha Bobadilla, Karla Van Dick*

## PO-1987

**Primary inflammatory choriocapillaropathy in a *Borrelia burgdorferi* seropositive patient**

*Svetlana Jovanovic, Ljiljana Obradovic, Zorica Jovanovic, Milena Jovanovic*

## PO-2020

**Vogt Koyanagi Harada, reporte de un caso**

*Román Corona*

## PO-2062

**Acquired iris heterochromia in syphilitic panuveitis**

*Stephanie Llop, Luis Santiago, Carmen Santos*

## PO-2081

**Neurorretinitis asociada a *Bartonella Henselae*. Presentación de dos casos.**

*Teresa González, Elizabeth Baqués, Milton Maldonado, Stephanie Voorduin*

## PO-2151

**Retrospective case series of our experience in managing choroidal neovascularization in posterior inflammatory disease**

*Aaron Yeung, Sophia Zagora, Hemal Mehta, William Yates, Denis Wakefield, Peter Mccluskey*



## PO-2168

### Atypical presentation of ocular tuberculosis. A case report

*Edgar Franco*

## PO-2224

### Traumatic uveitis following blunt ocular trauma and complications in an ophthalmologic reference center

*Mónica Almanza, Yasha Bobadilla, Alejandro Zermeño, Miguel Pedroza*

## PO-2234

### Características de los pacientes con diagnóstico de pars planitis en la población de la Fundación Hospital Nuestra Señora De La Luz

*Iliana Peñaloza, Daniel Capiz, María Teresa Valdez, Stephanie Voorduin, Milton Maldonado, Francisco Martínez*

## PO-2243

### Reactivación de toxoplasmosis ocular: reporte de un caso

*Adriana Nava, Alexandra Peña, Karent Urquiza, Erandi González*

## PO-2252

### Epiteliopatía placoide multifocal pigmentaria aguda: reporte de caso

*Adriana Nava*

## PO-2253

### Implante intravítreo de dexametasona en uveítis

*Fátima González, Yasha Bobadilla, Miguel Pedroza*

## PO-2388

### Combined ocular toxoplasmosis treatment with sulfadoxine pyrimethamine. Safety and efficacy in acute chorioretinitis and prevention of recurrence.

*Ksawery Czubkowski, Monika Lazicka, Tomasz Galecki, Jerzy Szaflik, Jacek Szaflik, Joanna Natalia Przybek*

## PO-2403

### Ocular toxocariasis

*Talía Nieto, Elizabeth Martínez, Patricia Navarro*

## PO-2456

### Case report: remission with adalimumab in a case of Vogt-Koyanagi-Harada disease refractory to steroids and cyclosporin.

*Fabiola Ordóñez*

## PO-2483

### Etiologic spectrum of optic disc edema and macular star

*Salim Ben Yahia, Nesrine Abroug, Rim Kahloun, Imen Ksiai-Khairallah, Riadh Messaoud, Sonia Zaouali*

## PO-2545

### Carcinoma epidermoide invasor conjuntival aparentando una escleritis necrotizante anterior difusa con inflamación: a propósito de un caso

*Milton Maldonado, Stephanie Voorduin, María Teresa Valdez, María Escalante*



## PO-2609

**Determinación del efecto producido por las lentes intraoculares (LIO) multifocales en el análisis papilar con tomografía de coherencia óptica (OCT) de dominio Fourier.**

*Javier García Bella*

## PO-2619

**Intravitreal bevacizumab for inflammatory choroidal neovascularization: a review of 24 cases from Tunisia**

*Moncef Khairallah, Sana Khochtali, Nesrine Abroug, Sourour Zina, Riadh Messaoud, Sonia Zaouali*

## PO-2627

**Clinical and immunological profile of patients with ocular toxoplasmosis in an eye care center of Yaounde - Cameroon**

*Christelle Noche*

## PO-2671

**Mycophenolate Mofetil (MMF) treatment and management in uveitis patients.**

*Ksawery Czubkowski, Monika Lazicka, Jerzy Szaflik, Jacek Szaflik, Joanna Natalia Przybek, Anna Kurowska*

## PO-2676

**Screening of susceptibility loci for ocular sarcoidosis using a genome-wide association study: preliminary report**

*Akira Meguro, Mami Ishihara, Takahiro Yamane, Nobuhisa Mizuki*

## PO-2701

**Correlación de autofluorescencia de fondo de ojo con tomografía de coherencia óptica de dominio espectral en pacientes con edema macular secundario a uveítis.**

*Ana Ortiz, Rashel Cheja, Luz Elena Concha, Lourdes Arellanes*

## PO-2731

**Systematic review of the outcome of the use of adalimumab, infliximab and etanercept in the treatment of children with uveitis associated with juvenile idiopathic arthritis**

*Mostafa Elgohary, Ying Lucia Dong, Buthaina Al Adba, Asim Ali, Nasrin Tehrani, Kamiar Mireskandari*

## PO-2764

**Queratitis ulcerativa periférica asociada a granulomatosis con poliangeítis: a propósito de un caso.**

*Olegario Castro, Miguel Pedroza*

## PO-2772

**Evaluation of ocular coherence tomography versus retina fluorangiography in the follow up of patients with pars planitis and cystoid macular edema.**

*Martha Cinthia Fuentes, Tonatiuh Barrientos, María De Lourdes López, Gabriela Ortega*

## PO-2804

**Sarcoidosis ocular: reporte de dos casos**

*Kelly Montes, Francisco Rodríguez, Ricardo Infante*





## PO-2807

**Melanocitoma yuxtapapilar asociado a síndrome de Vogt-Koyanagi-Harada: reporte de un caso**

*Karent Urquiza, Erandi González*

## PO-2123

**Determination of the association of socio-demographic and environmental factors in children with refractive errors of the metropolitan area of Bucaramanga**

*Virgilio Galvis, Alejandro Tello, José López, Paul Camacho, Carlos Rangel, Angélica Prada*

## Visual Sciences

### PO-1023

**Comparing the ultrastructure of regenerated, non-regenerated and degenerated retinal explants in vitro in Sprague-Dawley rats by electron microscopy**

*Simeon Dabov, Solon Thanos*

### PO-1194

**Use of phosphenes in ophthalmology**

*Harry Mark*

### PO-1340

**Density and spatial organization of photoreceptor cells in diabetic retinopathy measured with multiphoton microscopy**

*Nazario Bautista, Marcelino Aviles, Juan M Bueno, Blanca Estela Jaramillo, Francisco Javier Valiente, Pablo Artal*

### PO-1691

**Next-generation sequencing extends the phenotypic spectrum for LCA5 Mutations: Novel LCA5 mutations in cone dystrophy**

*Xue Chen, Chen Zhao*

## World Forum for Sight

### PO-2816

**3D computational model of mechanics of human ocular accommodation**

*Annmarie Hipsley*

### PO-2826

**Unidad de atención primaria como modelo de atención de salud visual**

*Héctor Sepúlveda*







# Videos



INTERNATIONAL  
COUNCIL *of*  
OPHTHALMOLOGY

## Building a World Alliance For Sight

### ICO Fellowships: Creating Opportunities for Young Ophthalmologists

- The ICO Fellowships Program offers subspecialty training to promising young ophthalmologists from developing regions around the world.
- ICO Fellows use the knowledge and skills gained from their fellowships to improve vision care in their home countries.
- ICO Three-Month Fellowships and ICO-Retina Research Foundation Helmerich One-Year Fellowships are available.
- Learn more about ICO Fellowships at the ICO Fellowships and Exams Joint Symposium: Monday, February 8, 14:00–15:30.



LEARN MORE: BOOTH 2216



[www.icoph.org/fellowships](http://www.icoph.org/fellowships)

## Videos

The Videos will also be available to view at random at the computer kiosks along with the e-posters during the following hours, Salón Jalisco D-E:

Saturday, February 6–Monday, February 8 8:30–18:00  
Tuesday, February 9 8:30–13:00

10:00

VI-448

**A Technique for Stabilizing Capsular Bag and Expanding Pupil with Malyugin Ring**

*Siamak Zarei-Ghanavati*

10:24

VI-847

**Management of Descemet's Membrane Detachment after Trabeculectomy**

*Fidan Aghayeva, Elmar Kasimov*

10:06

VI-640

**Please Be Fair – Fundus Videography with the Slit Lamp**

*Marcus-Matthias Gellrich*

10:30

VI-863

**Management of Traumatic Macular Hole Associated With Choroidal Ruptures**

*Mangat Dogra*

10:12

VI-68

**Anterior Capsular Contraction Syndrome A Different Surgical Approach**

*Nikhil Gandhi*

10:36

VI-939

**Virtual Endoscopy in Diagnostics of Orbital Neoplasms**

*Victor Obodov*

10:18

VI-708

**Pearl from Treasure of Retina**

*Hussain Khaqan*

10:42

VI-948

**Parálisis bilateral de los movimientos horizontales: síndrome de Koolen-De Vries**

*Ingrid Pita Ortiz*



10:48

**VI-970**

**Procedimiento de Hummelsheim para ausencia de recto medial**

*Emma Teresa Villaseñor, Miriam Becerra, Luis Javier Cárdenas, Manuel Páez*

10:54

**VI-1016**

**Tailored Stromal Expansion with Refractive Lenticule for Crosslinking the Ultrathin Cornea-Sachdev Technique**

*Ritika Sachdev, Gitansha Sachdev*

11:00

**VI-1179**

**Tira única de fascia autógena para suspensión al frontal en blefaroptosis**

*Yerena Muiños-Díaz, Antonio Augusto, Alicia Galindo Ferreiro, Patricia Santello*

11:06

**VI-1203**

**Técnica quirúrgica modificada para el manejo integral de desprendimiento de retina regmatógeno complejo**

*Salvador López-Rubio, Victor Fernando Moreno, Miguel Ángel Quiroz*

11:12

**VI-1204**

**Incidental Subfoveal Perfluorocarbon Heavy Liquids after Vitrectomy for Giant Retinal Tear**

*Gerardo Ledesma-Gil, Nassim Abreu-Arbaje, Enrique Ariza, Federico Graue, Salvador López-Rubio, Aureliano Moreno-Andrade*

11:18

**VI-1226**

**Intraorbital Foreign Body**

*Jazmin Ariadna Salas*

11:24

**VI-1231**

**Emulsified Silicone Oil Inducing Glaucoma After Vitreoretinal Surgery Solved With Simultaneous Vitrectomy And Glaucoma Drainage Device**

*Gerardo Ledesma-Gil, Enrique Ariza, Jesús Arrieta, Federico Graue, Jasbeth Ledesma-Gil*

11:30

**VI-1232**

**El misterio de la hipotropía con hipertropía**

*José Pérez*



11:36

**VI-1309**

**Parent's Guide to Pediatric Contact Lenses Elks Children's Eye Clinic Instructional Video**

*Joannah Vaughan, Amy McDermott, Leah Reznick, Allison Summers*

11:42

**VI-1325**

**Retroimplante de músculo oblicuo inferior con gancho de Wright**

*Luis Javier Cárdenas, Vanessa Bosch, Emma Teresa, Villaseñor Fierro*

11:48

**VI-1429**

**Implantes aniridios en aniridia congénita**

*Linnette Arzeno, Miguel López*

11:54

**VI-1433**

**Anterior Segment Fellow vs Argentinean Flag Sign**

*Karime Pérez, Lourdes Fernández, Susana Peniche Moreno*

12:00

**VI-1487**

**Tumor fibroso solitario de la órbita**

*Guillermo Enríquez, Azucena Mendoza, Guadalupe Tejeda*

12:06

**VI-1553**

**Upper Lid Spacer in Treatment of Lago-phthalmus Resulted from Facial Pulsy**

*Ahmed Fouad Dekinish*

12:12

**VI-1586**

**Extensor de tubo de válvula de ahmed**

*Daniela Barba Castelo, María García, Jesús Jiménez Román, Mauricio Turati*

12:18

**VI-1649**

**Assisting my Keratoplasty with a Femto-second Laser**

*Rafael Paz-Franco, Guillermo De Wit, Ana García Albisua*

12:24

**VI-1661**

**Facofemtosegundos en glaucoma de ángulo cerrado**

*Jesús Jiménez-Arroyo, Rafael Castañeda Diez, Magdalena García-Huerta*



12:30

**VI-1667**

**Drenaje de hemorragia supracoroidea y vitrectomía en trauma severo (Drainage of Suprachoroidal Hemorrhage and Vitrectomy in Severe Trauma)**

*Renata García, Kristo Aronne, Paulina Ramírez-Neria, Gerardo Rivera, Verónica Romero, Miguel Vázquez*

12:36

**VI-1682**

**Creating a Bionic Eye: Introducing Bimanual Tacking of Retinal Prosthesis**

*Ninel Gregori, Janet Davis, Justin Townsend*

12:42

**VI-1744**

**Lacrimal Surgery Made Easy**

*Shreya Shah, Prerna Shah, Mehul Shah*

12:48

**VI-1778**

**Management of Intracameral Huge Metallic Foreign Body**

*Hamidreza Hasani*

14:30

**VI-1891**

**Sorpresas orbitarias**

*Alberto Abdala, Sharon Ball, Martín González, Osiris Olvera-Morales, José Tovilla, Francisca Zuazo*

14:36

**VI-1916**

**Hemangioma capilar retiniano, manifestación inicial de síndrome de Von Hippel Lindau**

*Leticia Pacheco, Elizabeth Calderón*

14:42

**VI-1929**

**Intraocular Foreign Body Treatment & Management**

*Francisco Olguin*

14:48

**VI-2057**

**Transscleral Fixation of IOL in a Patient with Weill-Marchesani Syndrome**

*David Ancona-Lezama, Erick Encampira*

14:54

**VI-2061**

**Cerclaje escleral sin suturas**

*Diana Árevalo-Simental, Saúl Cortés, Enrique Roig-Melo*

15:00

**VI-2158**

**Lamellar Crescentic Wedge Resection for Pellucid Marginal Degeneration**

*Juan Curiel, Luis Aguilar-Lozano, María Costa, Valeria Sánchez-Huerta, Alfredo Terán*





15:06

VI-2198

## Surgical and Cross-Linking Management of Infectious Keratitis after Lamellar Traumatic Wound

*María Costa, Juan Curiel, Gabriela Navarrete-Horta, Josué Rodríguez, Valeria Sánchez-Huerta, Alfredo Terán*

15:12

VI-2214

## Manejo de la pseudocámara anterior persistente en queratoplastia lamelar anterior profunda (DALK)

*Carla Vitelli*

15:18

VI-2227

## DALK Periphery: Increasing the Chance of Big Bubble Formation with Modified Air Injection Technique

*Enrique Escurra, Bernardo Cavalcanti, Lucio Maranhão*

15:24

VI-2231

## Luxación de cristalino con desprendimiento de retina bilateral. Presentación de un caso

*Rafael Romero Vera*

15:30

VI-2240

## Síndrome del niño sacudido (Shaken Baby Syndrome) presentación de caso clínico

*Kristo Aronne, Renata García, Gerardo Rivera, Verónica Romero, Betsabé Urías, Miguel Vázquez*

15:36

VI-2244

## Dealing with the Unexpected, Management of Congénital Cataract with Phacoemulsification in a Patient with Persistent Hyaloid Artery

*Karla Van Dick-Sánchez, Pablo Guzmán-Salas, Humberto Matiz-Moreno*

15:42

VI-2260

## Suspensión al frontal con fascia de cadáver vs colgajo de músculo frontal para corrección de ptosis

*Marisol Iñiguez, Luis Javier Cárdenas, Gerardo Graue, Juan Carlos Juárez, Verónica Martínez, Lourdes Rodríguez-Cabrera, Ana Raquel Ruíz, José Tovilla, Emma Teresa Villaseñor*

15:48

VI-2325

## Manejo de re DRR bajo silicón

*Geovanni Ríos, Blanca Galicia*



15:54

**VI-2497**

**Capsulotomía con femtosegundos en paciente pseudofaco**

*Claudia Corredor, Cecilio Velasco-Barona*

16:00

**VI-2564**

**Cirugía virtual vs. cirugía real faco-emulsificación +LIO**

*Alvarado Barrera, Rocío Zamora*

16:06

**VI-2615**

**Maculopatía descompresiva secundaria a facoaspiración en un paciente con síndrome de Weill Marchesani con cristalino luxado.**

*Marylin Padilla, Sonia Cisneros, Guillermo Mendoza-Adam, Enrique Roig-Melo*

16:12

**VI-2620**

**Management of olocoma and Subluxated Cataract by Phacoemulsification with Pupilloplasty**

*Altan Özcan*

16:18

**VI-2697**

**DMEK Made Easier with an Injector**

*Michael Banitt, Andrés Bernal, Anne Ko*

16:24

**VI-2700**

**Drenaje escleral de desprendimiento coroideo hemorrágico**

*Carmen Soria-Orozco, Sonia Cisneros, Saúl Cortés, Enrique Roig-Melo*

16:30

**VI-2729**

**BIONIKO Eye Bank Task Trainers and Simulators**

*Andrés Bernal*

16:36

**VI-2739**

**Surgical Pearls for Pneumodissection in Tissue Harvesting for Pre-Descemet's Endothelial Keratoplasty**

*Karolien Termote, Simon Holland*

16:42

**VI-2760**

**The Sticky Silicone Oil!**

*Mostafa Elgohary*

16:48

**VI-2765**

**Queratoscopía Dinámica en Lámpara de Hendidura**

*Roberto Rodríguez*



**16:54**

**VI-2784**

## Carcinoma Epidermoide y Bevacizumab

*Stephany Quintero, Claudia Martínez-Jardon*

**17:24**

**VI-2912**

## ILM Peeling in a Case of Refractory Diabetic Macular Edema as a Last Resort

**17:00**

**VI-2800**

## Glued Intraocular Lens Procedure in Subluxated Traumatic Cataract with Extensive Zonular Rupture

*Mario Revelo, Patricia Osorio*

**17:06**

**VI-2838**

## Tags en Facoláser

*Pablo Larco, Pablo Larco Echeverría*

**17:12**

**VI-2850**

## Subluxación de cristalino en paciente pediátrico, anillo de tensión capsular + LIO + haptica luxada fuera de la bolsa capsular

*Alfredo Lizárraga*

**17:18**

**VI-2851**

## Posterior Chamber Iris Claw IOL for All

*Nivean Madhlvánan, Manoj Khatri, Shandeep Kumar, Nishanth Madhlvánan, Madhlvánan Natarajan, Mohan Rajan, Paneer Selvam*







# Social Program

# CHARMANT

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## Opening Ceremony

**Friday February 5th, 2016, 18:30 - 20:00/  
Salón Guadalajara 4-6**

The opening ceremony of WOC2016 will be held in Salón Guadalajara at ExpoGuadalajara where you will experience the Mexican Folklore and the traditional Mariachi alternating with the awards ceremonies, the welcome addresses and a video of the history of ophthalmology.

## Welcome Reception

**Friday February 5th, 2016, 20:00 - 21:30/  
Salón Guadalajara Hall**

At the end of the opening ceremony everybody are invited to attend the opening reception in which Mexican food and beverages will be served.  
\*\*\*\*To enter these events you must hold your badge

## Mariachi Gala

**Saturday 6: 19:30 hrs. - Teatro Degollado**

The Mariachi Gala will be presented at Teatro Degollado which is a neoclassical Mexican theater known for its diverse performances and artistic design. It is located in the central plaza of Guadalajara. In the Mariachi Gala, the best Mariachi of the world are accompanied by the Philharmonic Orchestra, creating a fusion between the traditional Mexican music and the classical music of a Philharmonic Orquesta.

Entrance: USD \$50.00 per person. Tickets will be sold at the registration area.  
You must find your own transportation to/from the event.  
(Calle Degollado S/N, Centro, 44100 Guadalajara, Jal., 01 33 3614 4773)

## Mexican Fiesta

**Sunday 7: 19:00 hrs. - Instituto Cultural Cabañas**

The Mexican cultural night will take place at Centro Cultural Cabañas, a World Heritage site, one of the oldest and largest hospital complexes in the Americas. The highlight of the interior decoration is a series of

monumental frescoes by José Clemente Orozco, including one of his most famous creations, The Man of Fire.

The main theme of this night is a Mexican Fiesta, where you will find different kinds of typical Mexican food as well as games such as lottery, marbles, and hoops. You will also find different Mexican music, other than Mariachi.

Entrance: US\$50.00 per person. **Tickets will be sold at the registration area**

Transportation will be provided from ExpoGuadalajara starting at 6:00 PM and back to all hotels starting at 10:00 PM

## Cultural Conferences by Guadalupe Zepeda

**Saturday 6 & Sunday 7, 10:00 - 11:00/  
Westin Hotel Agave Room**

### The history of the rebozo, the skin of Mexico.

Lupita takes us through a historical tour, from the very origins of it to the arrival of Spaniards, to the cultural shock and its impact on its uses and customs, as well as a description of similar pieces in other cultures such as Spain, India and China. Showing us 101 ways of fashionably wearing a rebozo.

### From the Love to a Rebozo an Enterprise is born.

All through the conference it is shown how the Rebozo has and has a great influence in Lupita's life, to the point of being the head of a company that generates lots of work for others.

### If you can dream it, you can achieve it

Through Lupita's experience, she motivates the audience to search for their own passion and reach out for personal and professional success.



**Saturday, February 6, 2016**

**12:00 - 14:00 /Hilton, Room Mexico 1**

**WOC Luncheon - Leadership in Ophthalmic Education: Shaping the Academic Leaders of the Future (by invitation only)**

Chair(s): *Rubens Belfort, Bruce Spivey, Jorge Valdez-García*

**Description:**

This symposium will feature two International Council of Ophthalmology award lectures (the Mark Tso Golden Apple lecture and the Bruce Spivey Ophthalmic Education lecture). Awardee lecturers will cover different aspects of Ophthalmic Education. Finalizing the symposium Prof. Stewart Mennin, an expert and consultant in innovation in education for the health professions, will present a keynote lecture on Leadership in Ophthalmic Education. **\*\*This symposium is per invitation only.**

Mark Tso Award Introduction

*Karl Golnik*

Mark Tso Golden Apple Award Lecture— Creating the Link Between Clinical Guidelines and Outcomes Data: Its Impact on Future Ophthalmic Education

Richard Abbott

Bruce Spivey Award Introduction

*Hugh Taylor*

Bruce Spivey Ophthalmic Education Award - Listen, Look, Think: Make Diagnoses!

*David Taylor*

Dr. Mennin Introduction

Gabriela Palis

Leadership in Ophthalmic Education: Making a Difference

Stewart Mennin

**Luncheon**

**Sunday, February 7, 2016**

**12:00 - 14:00/ Arcos**

**Consensus Guidelines for Population-Based Surveys of Vision Impairment and Eye Disease (by invitation only)**

Chair(s): *Rupert Bourne, Tasanee Braithwaite, Hugh Taylor*

**Description:**

This workshop will explore the potential value and scope of developing consensus guidelines relating to the design, implementation and reporting of population-based surveys of vision and eye disease.

**Background**

The Global Burden of Disease (GBD) Study extracted data from 243 population-based surveys of vision loss, in order to model the global, regional and country-specific burden of vision impairment and blindness, by attributable cause 1.

A limitation of the GBD model was a paucity of data from some regions, and the lack of standardization between surveys in methodology and reporting, and in definitions of vision loss and eye disease 2.

The past decade has seen a considerable effort to improve the quality of evidence generated by observational and interventional studies and meta-analyses of trials.

Numerous generic guidelines have been developed which aim to enhance the quality and transparency of health research.

These include the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) 3, and Strengthening the Reporting of Observational Studies in Epidemiology (STROBE) Statement Guidelines 4, 5.

In addition, the GRADE working group developed a transparent process for making judgments about evidence to inform recommendations 6.





The GBD Study highlighted that there are some specific issues pertinent to the design and reporting of surveys of vision and eye disease. A literature review confirms that there are currently no guidelines specifically tailored to ophthalmic epidemiology surveys.

The potential benefit of developing Consensus Guidelines includes :

- Increasing awareness of potential issues in the design, implementation and reporting of eye and vision surveys
- Reducing the risk of bias in prevalence estimates
- Promoting greater understanding of statistical analysis approaches
- Encouraging enhanced reporting quality and transparency
- Promoting basic standardization between studies to enhance comparability and meta-analysis

The Global Burden of Disease Study: challenges in modeling global and regional prevalence  
*Rupert Bourne*

Moving beyond the STROBE Guidelines in ophthalmic epidemiology  
*Tasanee Braithwaite*

Issues in the definition of vision impairment and blindness  
*Serge Resnikoff*

Issues in the definition of glaucoma and cataract  
*Jost Jonas*

The risk of bias in prevalence estimates and other statistical considerations  
*Beatriz Muñoz*

Standardisation and other study design considerations  
*Richard Bowman*



## Airport taxes

For all flights leaving Mexico there is an airport tax to be paid. The current tax per person is US \$35.27 for international departures, and tourism tax US \$22 - subject to change. Taxes and security fees are to be paid on departure if not included in your air ticket. Tickets issued in Mexico always include these taxes.

Please be sure to be at the airport for check-in approximately 2-3 hours prior to departure if you are flying internationally. To be on time at the airport, it is advised to pay your bill at the hotel the night before.

## Clothing

In Guadalajara people are very formal. For business, receptions and in good restaurants jacket and tie are usual. Outside of the city clothing is informal, only deluxe restaurants require proper dress and do not accept short trousers. Please note that some top restaurants do not allow kids under 10 years old. - When visiting churches women are requested to cover their shoulders.

Top-less and nudism is against Mexican customs and moral and only tolerated at a few hidden private places.

## Electricity

The voltage in Mexico is 110-127 V using the regular American plugs

## Flight re-confirmations

Please have every national and international flight reconfirmed locally to guarantee your reservation and schedule. When available, our staff will assist you.

## Internet

High speed Internet is available in the Hotel, convention center and in airports and some other places. If you don't bring your laptop with you, you may use the Hotel Business center.

## Long distance calls

Long distance calls from Mexico to any other country can be made without problem. International telephone calls from public phones are generally possible. Mobile phones from most countries must work. There are rental mobile phones available.

## Money exchange

As the Mexican Peso is strongly related to the US-Dollar, it is recommendable to change US-Dollar in cash on arrival at the airport in Guadalajara. Otherwise an exchange will result time consuming, specially outside of tourist destinations.

The exchange rate is about \$17.00 MP per \$1.00 USD. The Mexican currency is called Peso (\$) with bills of \$500, 200, 100, 50 and 20 and coins of 10, 5, 2, 1, 0.50, 0.20, 0.10 and 0.05. Credit cards (Eurocard/Mastercard, Visa, American Express) are widely accepted.

## Photo & Film

Taking pictures inside of museums is generally allowed but only without flash and tripod, for taking video films there is a charge of about US \$6.00.

## Public transportation services

Public coaches are cheap but should be used only during non-rush hours due to mass movements. Normal taxis are inexpensive and easy to get. Tourists should ask for prices before entering a cab and take care that the meter is switched on. At airports only the officially registered taxis are recommended (tickets can be bought inside the airport building). In front of most first class and deluxe hotels you'll find so-called Tourist Taxis, providing private services with driver guide- rates should be negotiated. It is not recommended to take taxis from the street. Ask the Hotel concierge to call for a taxi.



## Security

In Guadalajara and in Mexico you are travelling as safe as in any other country, this is specially valid for all normal regions of tourist interest. However, we recommend to use the safety deposit box in the hotel for your values and not to expose them publicly. At airports, bus terminals and hotel lobbies you should keep an eye on your luggage. To hire a taxi please ask the personal of hotels or restaurants to call for. Be also careful of vendors and "Official Tourist Guides" on the street and beaches, approaching you to sell their services (excursions, jewellery, time-share, etc.).

In order to avoid any problems we strongly recommend to purchase services and/or merchandise only from authorised dealers and stores.

## Shopping

Shopping in Mexico is big fun and mostly a bargain. All over the country you will find market places and shops offering day by day merchandise and handicrafts originating from all regions of Mexico.

Most of the shopping places are open from 9.30 to 20h. Nice souvenirs are Amates (painted wooden paper), artwork made of silver, copper and tin, leather and wood, carpets, pots of clay and onyx sculptures and not to forget the famous Sombreros (Mexican hats). We recommend that you negotiate for lower prices.

## Tipping

In restaurants and bars a tip of 10-15% of the consumption is usually left on the table.

## What to eat and drink

Breakfast is generally served between 7 and 10 a.m., lunch time is between 2 and 4 p.m. and for dinner you will be in time between 8 and 10 p.m.

Mexican food is not always spicy and hot, despite the 200 species of the famous chilli. What is generally known as Mexican cuisine (tortillas, tamales, tacos and enchiladas) is a mixture of originally pre-Columbian and Spanish cooking. Other meals were brought to Mexico by later immigrants. Along the coast you will find a

large variety of seafood specialities like shrimp and oysters, fish and turtle soups and of course Ceviche (a cold seafood cocktail).

Guadalajara and other big cities of international reputation offer a wide range of excellent and fine restaurants.

The most famous alcoholic beverage is called Tequila, usually drunken with salt and lemon, as Margarita cocktail or together with spicy Sangrita. The light Mexican beers are superb, the locally distilled rum is also very good and a bargain. Furthermore, you will find coffee liquor and good national wines, which are currently rather inexpensive.

Bars start opening at about 10 p.m. in tourist areas and remain open till 2 or 3h in the morning. Many bars and night clubs in hotels offer live entertainment and shows.

Most hotels and restaurants provide bottled drinking water as far as they have not their own purified water systems. Water from other sources should be restrained. It is recommended to avoid drinks with ice cubes, which is without risk at good restaurants and hotels.

## Weather in Guadalajara

During February the weather may be cold and windy. No rain is expected but could happen. The temperature will vary during the day from 7°C to 23°C (44°F to 74°F). Please bring warm clothes with you

## Cell Phones, PDAs and Pagers

All cell phones, PDAs and pagers must be turned OFF or set on "vibrate" mode during sessions.

## Certificate of Attendance

An official letter of attendance is available upon request at the registration area.



## Child Access

Youth and children are NOT allowed access to the session meeting rooms and exhibit hall. If you need day care assistance, please contact your hotel to assist with making the necessary arrangements.

## Session Evaluations

We kindly ask that you complete an evaluation form for each session that you attend. A Room Monitor will be present in each meeting room and will distribute the evaluation forms. It is important that you complete the forms. Your comments are incredibly valuable to us to organize an even better WOC in the upcoming years.

## Lost and Found

If you find an item left behind in a session room or public area, please return the lost item to the registration area.

## Special Needs

If you have a disability or special need that may have an impact on your participation at the congress, please contact the registration area staff for assistance.

## Share Updates about WOC2016 on Twitter, Facebook & Instagram!

Social media offers great opportunities to share the stories of special events like the WOC2016 in real time. We invite you to let other participants, your communities and your society know what's happening by sharing information from the opening ceremony, session, exhibit hall and special events through our social media sites using hashtag #attendWOC. Post photos, videos, blogs or quick updates and follow what other participants are uploading.

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## Tour Program

WOC2016 has appointed Procesa eventos to take care of special pre, trans and post congress tours. There are a large variety that may be seen in <http://woc2016tours.com/>

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February 5-8, 2016

Alcon Symposia during the  
2016 World Ophthalmic Congress  
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Mark your calendar to attend these dynamic symposia.

**Friday, February 5, 2016 | Future Considerations in the Management of Glaucoma**

**12:00 – 14:00 in Salón de Eventos 8 y 9 (Lunch will be provided.)**

**Faculty**

- Hannel Maldonado, MD - moderator
- Fabian Lerner, MD
- Gregory Katz, MD

**Saturday, February 6, 2016 | Latest Innovations in Cataract and Refractive Surgery**

**17:30 – 19:00 in Guadalajara 9 and 10 (Refreshments will be provided.)**

**Faculty**

- Virgilio Centurion, MD - moderator
- Arnaldo Espaillat, MD
- Ronald Krueger, MD
- Zoltan Nagy, MD, PhD
- Ivan Ossma, MD

**Monday, February 8, 2016 | Advances in Ocular Surface Therapeutics**

**12:00 – 14:00 in Tlaquepaque (Lunch will be provided.)**

**Faculty**

- Alejandro Rodriguez, MD - moderator
- Alejandro Aguilar, MD
- David Granet, MD
- Ivan Ossma, MD



# Partner Sponsored Symposia

COMPANY	TITLE OF THE SYMPOSIUM	SPEAKERS	Date/ Time	Room
 a Novartis company	Future considerations in the management of Glaucoma	Robert Fechtner Fabian Lerner Hannell Maldonado	05-Feb-16 12:00-14:00	Salón de Eventos 8 & 9
	Actualizacion en DME	Enrique Roig, Patricio Schlottmann Mohamed Moghazy	05-Feb-16 12:00-14:00	Guadalajara 3
	Most advanced imaging platform for retina and glaucoma - SPECTRALS	Jans Fromow Roberto Gallego Lihteh Wu Matrin Long	06-Feb-16 07:00-08:30	Hotel Hilton Mexico II
	Ocular Surface Diseases -A Perspective of Clinical Practice Between Present and Future	Christophe Baudouin Concepción Santacruz Peter Simmons Maurizio Rolando José Álvaro Pereira Fernando Pellegrino	06-feb-16 12:00-14:00	Guadalajara 9
 a Novartis company	Latest Innovation in Cataract and Refractive Surgery	Enrique Graue-Hernández Virgilio Centurion Ivan Ossma Edgardo Carreno Ronald Krueger	06-Feb-16 17:30-19:00	Guadalajara 9
	Bringing OCT Angiography to your clinical practice Introducing ZEISS AngioPlex™	Jean-Francois Korobelink	07-Feb-16 07:00-8:30	Hotel Hilton Mexico II
 Ver mejor. Vivir mejor.	Stellaris y EnVista una alternativa perfecta En cirugía de catarata	Eduardo Chávez	07-Feb-16 07:00-8:30	Hotel Hilton México III
	Truths And Myths in Glaucoma in 2016	Curt Hartleben David Crabb Francisco Goni Tony Hommer Remo Susanna Bob Weinreb Ike Ahmed	07-feb-16 12:00-14:00	Guadalajara 9
	The latest innovation in retinal diagnosis (OCT Angiography, Microperimetry, and FAF)	Alejandro Villalobos Fernando Gómez	07-feb-16 12:00-13:30	Tlaquepaque

Partner sponsors symposia

Continued on next page



COMPANY	TITLE OF THE SYMPOSIUM	SPEAKERS	Date/ Time	Room
 <b>TOPCON</b>	Redefining Laser Therapy for Macula Disease with PASCAL Laser	Federico Graue Victor Hugo González Francisco Rodríguez Sandra Belalcázar David Lavinsky	08-Feb-16 07:00-08:30	Hotel Hilton Mexico II
 <b>IRIDEX</b>	Novel MicroPulse® Therapy for Retina & Glaucoma	Jans Fromow Ahad Mahootch	08-Feb-16 07:00-08:30	Hotel Hilton Mexico III
 <b>Alcon</b> a Novartis company	Advances in ocular surface therapeutics	Alejandro Aguilar Ivan Ossma David Granet	08-Feb-16 12:00-14:00	Tlaquepaque
 <b>ZEISS</b>	Shaping Tomorrow's Vision – ZEISS Innovative Refractive Solutions	Renato Ambrosio Jesper Hjortdal Detlev Breyer David Chung Luis Avida	08-Feb-16 12:00-14:00	Guadalajara 1
 <b>ARFAMEX</b>	Visian ICL user meeting: preservando la córnea y el cristalino para el futuro	Arturo Chayet Lyle Newball Juan Battle Juan Arrieta Marcony Santhiago Arturo Gómez Tito Ramírez	08-Feb-16 12:00-14:00	Tequila
 <b>Optil</b> Representaciones	Specialty Contact Lens Fitting employing Corneal Topography: Soft & GP lenses, orthokeratology, hybrid and scleral	Randy Kojima	08-Feb-16 12:00-14:00	Zapopan
 <b>TOPCON</b>	New Frontiers in OCT: Swept Source and OCT Angiography	René Cano Srinivas Sadda Felipe Medeiros Netan Choudhry David Pelayes	08-Feb-16 12:00-14:00	Tonalá
 <b>Abbott</b>	Tecnis Symphony: Incorporating Extended Range of Vision IOLs in Your Practice	Ernesto Otero George Baiko Lyle Newball	08-Feb-16 12:00-14:00	Guadalajara 2





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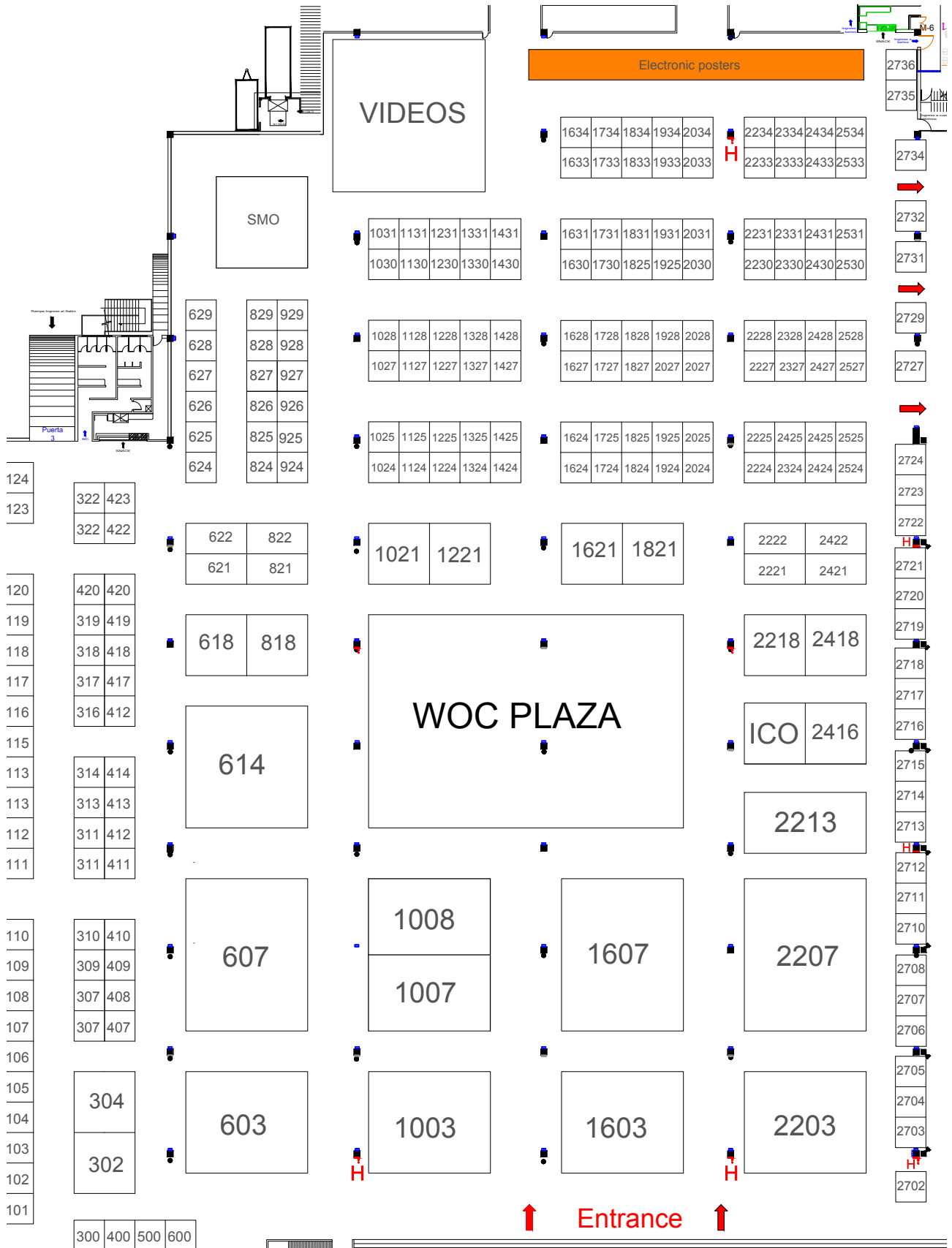


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# Exhibition Floor Plan

Exhibition Floor Plan



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1428	
407	Epsilon Usa
1008	Essilor



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2729	Konan Medical
2719	Konska
1007	Laboratorios Grin
2024	Laboratorios Lumilent

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118	Middle East Africa Council of Ophthalmology (MEACO)
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a Novartis company

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	<a href="http://www.alcon.com">www.alcon.com</a>	800-862-5266	USA
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Grupo Aldai es ser un grupo empresarial mexicano líder Certificado en ISO 9001:2008, dedicado a la comercialización de productos y servicios médicos de alta calidad. Proporcionando a nuestros clientes servicio eficaz e innovación tecnológica, representando marcas de alto prestigio internacional, contando con un equipo de profesionales altamente capacitados y comprometidos.

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[www.aldai.mx](http://www.aldai.mx)

Tel: 5440-7240

Mexico

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Ireland



## The Asia-Pacific Academy of Ophthalmology (APAO)



### Booth Number 300

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, 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.

<a href="mailto:secretariat@apaophth.org">secretariat@apaophth.org</a>	<a href="http://www.apaophth.org/">http://www.apaophth.org/</a>	(852) 3943-5814	Hong Kong
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## Appasamy Associates and Group of Co.



### Booth number 2227/2228/2327/2328/2427/2428/2527/2528

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Aurolab, based in southern part of India, is an integral part of the Aravind Eye Care System. It manufactures a wide range of high quality ophthalmic consumables such as intraocular lenses, surgical sutures, pharmaceutical products, surgical blades and equipments.

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[alejandro.martinez@valeant.com](mailto:alejandro.martinez@valeant.com)

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USA

## BODEGA OPTICA SA. DE C.V.

**Booth Number 629**

[luisromero@bodegaoptica.com](mailto:luisromero@bodegaoptica.com)

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Mexico



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Mr. Tatsuo Yamauchi

[www.charmant-medical.com](http://www.charmant-medical.com)

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Japan

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[sales@claritymsi.com](mailto:sales@claritymsi.com)

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Booth Number 2720



Distribuidor de dispositivos y equipos médicos para oftalmología. Representa a Oculus Surgical, Iridex, Neitz, Wexler, CenterVue, MedOne y TearLab de forma exclusiva en todo Mexico.

<a href="mailto:servicio.clientes@cyanmedica.com">servicio.clientes@cyanmedica.com</a>	<a href="http://www.cyanmedica.com">www.cyanmedica.com</a>	(+52) 55 82 50 77 50 (+52) 55 82 50 77 51	Mexico
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## DEEPAK Care Ltd.

Booth Number 2734



DEEPAK Group has been manufacturing ophthalmic products for last 40 years. Our products are affordable and of excellent quality. We offer complete range of ophthalmic products, across all ophthalmic specialities. Our products include Equipments, Surgical instruments, IOL, Microsurgical Blades, Consumables, Sutures & Medicines . We have installations and customers in over 100 countries in the world. We can work with you directly as well as through our distributors in your country.

<a href="mailto:info@deepakcare.com">info@deepakcare.com</a>	<a href="http://www.deepakcare.com">www.deepakcare.com</a>	+ 91 11 26941431	India
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## DGH Technology

**Booth Number 2030**



DGH Technology is the acknowledged worldwide leader for ultrasonic ophthalmic equipment. Our instruments—handheld pachymeters, desktop pachymeters, A-scans, and B-scans—have been setting standards for reliability and ease of use for over 30 years. Our devices communicate with your Windows computer using standard Bluetooth and USB connections.

<a href="mailto:george@dghtechnology.com">george@dghtechnology.com</a>	<a href="http://dghtechnology.com/">http://dghtechnology.com/</a>	610.594.9100	USA
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## D.O.R.C. International BV

**Booth number 2433/ 2434/ 2533/ 2534**



- EVA® Phaco/Vitrectomy System
- Associate® Phaco/Vitrectomy System
- Xenon BrightStar Illumination System
- CryoStar®
- LaserStar®
- 20-23-25-27G Transconjunctival Systems
- Disposables:
  - Forceps & Scissors
  - Backflush Instruments
  - Vitrectomy Lenses
  - Glaucolight
- Liquids:
  - VisionBlue®, MembraneBlue®, MembraneBlue-Dual®, ILM-Blue®
  - EFTIAR® / SIL-1000/5000®

<a href="mailto:sales@dorc.eu">sales@dorc.eu</a>	<a href="http://www.dorc.eu/">http://www.dorc.eu/</a>	+31 181 458080	Netherlands
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## DOMSA

**Booth Number 1030/ 1031**



DOMSA Distribuidora Óptica es una empresa con más de 17 años de experiencia dedicada a la importación y distribución exclusiva en la República Mexicana de armazones oftálmicos y solares de las marcas Carlo Marioni, Marioni y Just Marioni, garantizados y respaldados por la calidad de los materiales con los que son elaborados y un excelente servicio.

<a href="mailto:contacto@domsa.mx">contacto@domsa.mx</a>	<a href="http://www.carlomaroni.com">www.carlomaroni.com</a>	(33)3110-1655	Mexico
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## Ellex

**Booth Number 2231/ 2331/ 2431/ 2531**



Ellex is committed to providing a comprehensive range of laser and imaging products for the diagnosis and treatment of cataract, glaucoma and retinal conditions. With our head office and manufacturing based in Adelaide, Australia, Ellex has sold more than 25,000 Ellex-branded laser and ultrasound systems worldwide.

<a href="mailto:kbrown@ellex.com">kbrown@ellex.com</a>	<a href="http://ellex.com">ellex.com</a>	+61 8 8104 5245	Australia
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## ENDOSCOPIA GUADALAJARA S.A DE C.V.

Booth Number 1328/ 1428



<a href="mailto:jbernardo@endoscopiagd.com.mx">jbernardo@endoscopiagd.com.mx</a>	<a href="http://www.endoscopiagd.com.mx">www.endoscopiagd.com.mx</a>	52 33 31335889	Mexico
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## Epsilon USA

Booth Number 407



Epsilon is a manufacture of hand held ophthalmic surgical instruments.

<a href="mailto:epsilonusa1@gmail.com">epsilonusa1@gmail.com</a>	<a href="http://www.epsilonusa.com">www.epsilonusa.com</a>	+1-909-984-4614	USA
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## Essilor

Booth Number 1008



Essilor es el líder mundial en soluciones visuales; afianzado como el principal proveedor de lentes, lentes progresivas y tratamientos del mercado óptico, presente en más de 100 países, mejorando la calidad de vida de las personas, mejorando su visión. Productos: Varilux, Crizal, Transitions, Xperio, Airwear, instrumentos de diagnóstico y procesado de lentes, entre otros. Laboratorios con servicio en Mexico: Cristal y Plástico (D.F, Gdl y Morelia) Vision Center ( D.F y Mty)

<a href="mailto:rocio.gamez@essilor.com.mx">rocio.gamez@essilor.com.mx</a>	<a href="http://www.essilor.com.mx/">http://www.essilor.com.mx/</a>		Mexico
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## Excellent Hi Care Pvt. Ltd.

Booth Number 1425



“Dont Let Ur Eyes Die, Donate Them “

<a href="mailto:excellenhi@eth.net">excellenhi@eth.net</a>	<a href="http://www.excellenthi.com">www.excellenthi.com</a>	044 – 23630385	India
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## EYECO

Booth Number 821



EYECO is a Mexican Ophthalmic-Devices-Distribution Company and CRO dedicated to provide high-tech ophthalmic medical devices (IOL´s, Glaucoma Drainage, Intracorneal Ring Segments, Viscolastics, Instruments for Cataract, Retina, Cornea, Glaucoma, Trephines, Injectors, Surgical Dyes, Silicon Oil, PFC) and equipment (OCT´s, Ultrasound, Laser Scanners, Cross-linking, Intacs Surgery) while also provides support and services to the Medical Research in Ophthalmology through Clinical Trials acting as CRO and logistics for local and foreign companies.

<a href="mailto:eyecoreyes@gmail.com">eyecoreyes@gmail.com</a>	<a href="http://www.eyeco.com.mx">www.eyeco.com.mx</a>	(55) 55455254 (55) 52500770	Mexico
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## FarbaC Biomedical, S.A. de C.V.

**Booth Number 115/ 117**



25 years side by side with ophthalmologists bringing them the best technology and service!

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## Forus Health

**Booth Number 925**



Connor Larkin	<a href="http://www.forushealth.com">www.forushealth.com</a>	+1 202-744-0841	USA
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## Galileo Medical

**Booth Number 316/ 416**



Galileo Medical is a company specializing in the distribution, support and service for medical devices for diagnostic and surgical ophthalmology. Refraccion Units, Patient chairs, Slit Lamps, Imaging solutions, Special software for ophthalmology, Corneal Cross Linking. Iontophoresis technique, Fundus Camara, Scheimpflug, Topographer, Specular, Microscope, Tonometer, Electrophysiology

<a href="mailto:italmoda_roberto@hotmail.com">italmoda_roberto@hotmail.com</a>	<a href="http://www.galileomedical.com">www.galileomedical.com</a>	( 477 ) 779-5900 ( 477 ) 773-6194	Mexico
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## Grupo Itsaya

**Booth Number 302/ 2208**



Grupo Itsaya una Empresa 100% Mexicana estamos comprometidos en garantizar y aumentar la satisfacción de nuestros clientes y colaboradores. Contribuyendo al óptimo desempeño de las actividades relacionadas con el cuidado de la salud visual.

<a href="mailto:diseño@grupoitsaya.com">diseño@grupoitsaya.com</a>	<a href="http://www.grupoitsaya.com/">http://www.grupoitsaya.com/</a>	(01800) 087-5788 (0155) 5119-9014	Mexico
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## Heidelberg Engineering GmbH

**Booth Number 2418**



Heidelberg Engineering is a high-tech imaging solutions company which designs, manufactures, and distributes diagnostic instruments for eye care professionals. The company's products are used around the world by ophthalmologists and optometrists to scan patients' eyes for signs of disease and to assist in the management of patients found to have disease. Typical diseases which can be recognized and tracked with Heidelberg Engineering's technology include glaucoma, age-related macular degeneration, diabetic retinopathy, and macular edema.

[Sales@HeidelbergEngineering.com](mailto:Sales@HeidelbergEngineering.com) | [www.heidelbergengineering.com](http://www.heidelbergengineering.com) | +49 6221 / 64 630 | Germany

## HumanOptics Ag.

**Booth Number 2422**



We are here for You, Your Patients, Your Success with:

- the broadest range of premium ophthalmic implants,
- a production service for custom-made special ophthalmic implant solutions,
- the ArtificialIris – 1st foldable fully custom-made iris implant for iris reconstruction surgery,
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[mail@humanoptics.com](mailto:mail@humanoptics.com) | [www.humanoptics.com](http://www.humanoptics.com) | +49 (0) 9131 50 66 5 - 0 | Germany

## ICO/WOC2018

**Booth Number 2216**



The International Council of Ophthalmology (ICO) represents and serves professional associations of ophthalmologists throughout the world.

The World Ophthalmology Congress® (WOC) of the ICO is held every other year and is the longest continuous international medical meeting, first convened in 1857. Ophthalmologists from over 100 countries will attend WOC2018 and WOC2020 for interactive scientific sessions, expert talks, networking events, and exhibitions of the latest tools, products, and services. The WOC2018 will be held June 16-19 in Barcelona, Spain. Host: Spanish Society of Ophthalmology.

[jhanes@icoph.org](mailto:jhanes@icoph.org) | <http://www.icoph.org> | +1-415-521-1651 | USA



## Imporlents Concept American Eyewear

**Booth Number 624**



Grupo Imporlents Concept American Eyewear es una empresa mexicana fundada en el año 1995 en la ciudad de Guadalajara, Jalisco, a partir de la necesidad que se detecto en el mercado por adquirir armazones oftálmicos de calidad que cubrieran con sus expectativas de moda, elegancia y calidad.

Nuestro objetivo: colocar en el mercado productos de alta moda y calidad.

Nuestra misión: lograr y conservar clientes a través de nuestro profesionalismo, actitud, y espíritu de servicio.

[contacto@imporlents.com](mailto:contacto@imporlents.com)

[www.imporlents.com](http://www.imporlents.com)

52 (33) 3630-0372  
52 (33) 3630-0382

Mexico

## Innovación Óptica Olardi

**Booth Number 824/ 924**



Somos una empresa que en el nombre lleva el compromiso de innovarnos cada día y así estar presentes con médicos y ópticos , participamos hoy en día en Congresos Importantes de ambos mercados con una trayectoria de 43 años y 16 como distribuidores logrando el éxito que hoy nos enorgullece, nuestro compromiso, transparencia, servicio y calidad.

[innop1@yahoo.com.mx](mailto:innop1@yahoo.com.mx)

0155 5510 4955

Mexico

## IFA systems AG

**Booth Number 2421**



The ifa group of companies is the leading health IT provider in ophthalmology offering a large range of solutions including electronic medical record (EMR) systems with interfaces to +450 devices, telemedicine applications and electronic data capture (EDC) systems for e.g. clinical trials.

[info@ifasystems.com](mailto:info@ifasystems.com)

[www.ifasystems.com](http://www.ifasystems.com)

+49-2234-93367-0

Germany

## IntuVision Labs Pvt Ltd.



**Booth Number 1125**

IntuVision Labs Pvt Ltd., has been set-up with passion to have an impact on the societal wellbeing. The firm's vision is to deliver affordable, portable, easy to use Fundus cameras capable of easily taking high quality photos of the retina, primarily to detect any diseases at an early stage, with no dilation of the pupils. Retinal examination results can lead to diagnose not only ophthalmic medical complications, but also many other conditions like diabetics, high cholesterol, hypertension, etc.

[anil@intuvisionlabs.com](mailto:anil@intuvisionlabs.com)

[www.intuvisionlabs.com](http://www.intuvisionlabs.com)

0091-9686254086

India



## IOptima Ltd

**Booth Number 417**



IOptima Ltd. is a developer of minimally-invasive surgical ophthalmic devices. The company's flagship product, the IOptiMate™, is a surgical system for the treatment of Glaucoma, which utilizes a CO2 laser technology to significantly reduce internal eye pressure ("IOP"), by restoring the natural fluid percolation without penetrating into the eye. The IOptiMate™ system is simple, safe, with minimal complications and is highly efficacious with a very short learning curve

<a href="mailto:info@ioptima.co.il">info@ioptima.co.il</a>	<a href="http://ioptima.co.il/">http://ioptima.co.il/</a>	+972-73-2753400	Israel
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## IQUEO

**Booth number 1324/ 1424**



IQUEO manufactures and distributes one of the largest selections of ophthalmic surgical instruments. Our product range includes titanium as well as stainless steel instruments. IQUEO offers customized sets for cataract, chalazion, refractive, lacrimal and foreign body. Instruments on the sets may be modified to fit the surgeon's preferences. IQUEO also personalize each instrument with doctor's name or any other information. Thank you for giving us the opportunity to serve you.

<a href="mailto:Isabel.guerra@iqueo.com">Isabel.guerra@iqueo.com</a>	<a href="http://www.iqueo.com">www.iqueo.com</a>		Mexico
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## IRIDEX

**Booth number 621**



IRIDEX is a worldwide provider of therapy solutions for glaucoma and retina. Their family of lasers include IQ 532™, IQ 577™, and IQ 810™ designed to perform traditional photocoagulation and repeatable tissue-sparing MicroPulse™ laser therapy with the added efficiency of the TxCell™ Scanning Laser Delivery System for multi-spot pattern scanning. NEW PRODUCT SHOWCASE - CYCLO G6™ Glaucoma Laser System with MicroPulse® P3 and G-Probe™ glaucoma devices for TSCPC.

<a href="mailto:info@iridex.com">info@iridex.com</a>	<a href="http://www.iridex.com">www.iridex.com</a>	+1 650 940 4700	USA
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## Karger

**Booth Number 317**



Based in Switzerland, Karger is an international publisher of books and journals in the biomedical sciences. We are pleased to present our latest publications in Ophthalmology including the new releases 'Retinal Pharmacotherapeutics', 'OCT Angiography in Retinal and Macular Diseases' and 'Ocular Tumors'. Free journal sample copies of 'Ophthalmic Research', 'Ophthalmologica' as well as the new journal 'Ocular Oncology and Pathology' are available at our exhibition booth.

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## Konan Medical



**Booth Number 2729**

Konan Medical develops innovative technologies that help ophthalmic professionals see important signs that are routinely missed using conventional devices and methodologies: EvokeDx Next Gen VEP+ERG. ColorDx® color vision diagnostics. RAPDx® Pupillographer. Chart2020 - the premier visual acuity & ocular performance platform. CellCheck SL - the gold standard in specular microscopy. CellChek D - the first multi-imaging system for donor corneal analysis.

<a href="mailto:Sales@konanmedical.com">Sales@konanmedical.com</a>	<a href="http://www.KonanMedical.com">www.KonanMedical.com</a>	+1 (949) 521-7730	USA
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## Konska Medical Instrument Co., Ltd.



A Professional Ophthalmic Company

**Booth Number 2719**

<a href="mailto:gmswsq@163.com">gmswsq@163.com</a> <a href="mailto:alexkonska@hotmail.com">alexkonska@hotmail.com</a>	<a href="http://www.jskonska.com">www.jskonska.com</a>	+86-13773959595	China
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## LATINOS OPTICOS



**Booth Number 2727**

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## Laboratorios Grin



**Booth Number 1007**

Laboratorios Grin es una compañía fundada en 1953 por un grupo de oftalmólogos con el objetivo de fabricar medicamentos oftálmicos de excelente calidad para contribuir a la salud y bienestar de los pacientes. Es una empresa líder en el desarrollo, manufactura y comercialización de medicamentos Oftálmicos, de marca y genéricos. En octubre de 2014 Laboratorios Grin fue adquirida por Lupin Limited, una empresa con ventas de 3 billones de USD y presencia en más de 100 países.

<a href="mailto:franciscoesquivelgv@hotmail.com">franciscoesquivelgv@hotmail.com</a>	<a href="http://www.laboratoriosgrin.com">www.laboratoriosgrin.com</a>	52002300	Mexico
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## Laboratorios Lumilent



### Booth Number 2024

Manufacturer of Specialty Contact Lenses and SynergEyes distributor for the Mexico territory. Specialty designs for any type of cornea, including irregular cornea such as keratoconus, marginal pellucid degeneration, corneal-transplant and post pk/prk/Lasik. Some of the designs manufactured are: Scleral Lenses, Reverse Geometry, Aspheric, Multi-Curve, Toric and Bi-Toric. Custom Soft Toric contact lenses are available in any power with cylinder up to -10.00 D and axis in 1° steps.

<a href="mailto:lumilent@lumilent.com">lumilent@lumilent.com</a>	<a href="http://www.lumilent.com">www.lumilent.com</a>	+52(55)5566-2222	Mexico
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## Laboratorios Sophia SA de CV



*Excelencia en oftálmicos*

Laboratorios Sophia, excelencia en oftálmicos, es una compañía mexicana líder, de clase mundial, dedicada a proporcionar salud y bienestar al ojo humano desarrollando y comercializando medicamentos, tecnologías y servicios innovadores para los profesionales de la salud visual y sus pacientes; de manera permanente, redobla esfuerzos en una estrategia de posicionamiento en todos los mercados, logrando con esto una expansión real y una proyección global.

<a href="mailto:leonardo.elizalde@sophia.com.mx">leonardo.elizalde@sophia.com.mx</a>	<a href="http://www.sophia.com.mx">www.sophia.com.mx</a>	+52(33) 3001-4200 ext. 1049	Mexico
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## Light Vision S.A. de C.V.

### Booth Number 1227

Light Vision S.A. de C.V. es una empresa Mexicana con una experiencia de 30 años en el ramo oftálmico. Contamos con una vasta experiencia como proveedores confiables dentro del Sector Salud, tales como: IMSS, SEMAR, ISSSTE, ISSEMYM, SSA, SEDENA, Hospitales de PEMEX, Fundación de Asistencia Privada Conde de Valenciana I.A.P, Fundación Hospital Nuestra Señora de la Luz I.A.P, Asociación para Evitar la Ceguera en Mexico I.A.P, además de proveer estos mismo productos a los principales hospitales privados en Mexico. En este sentido, ponemos a su disposición nuestro portafolios de consumibles para las cirugías de Catarata Retina y Glaucoma pensando que en un futuro podamos convertirnos en sus “proveedores confiables” para este tipo de cirugías.

<a href="http://www.lightvisionmexico.com/">http://www.lightvisionmexico.com/</a>	56063029	Mexico
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## Lucy's Optical



LUCY'S OPTICAL  
EYEWEAR

### Booth Number 123/ 124

Lucys Optical es una empresa 100% mexicana dedicada a la distribución de armazones oftálmicos y gafas de sol de prestigiadas marcas, líderes en el ramo óptico. Ofrecemos a nuestros clientes la mejor atención, servicio y calidad.

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## Mahatme Eye Bank

**Booth Number 120**



A non-profit organization – Mahatme Eye Bank Eye Hospital & postgraduate teaching institute India. Offers hands on surgical training courses & international council of ophthalmology fellowships.

<a href="mailto:sm@mahatmehospital.com">sm@mahatmehospital.com</a>	<a href="http://www.mahatmehospital.com/">http://www.mahatmehospital.com/</a>	0091 - 712-2289101 to 106	India
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## MANI, INC

**Booth Number 1625**



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## Medical Legal Center

**Booth Number 313**



“Su mejor opción en Protección”

<a href="mailto:adavalos@medicallegalcenter.com">adavalos@medicallegalcenter.com</a>	<a href="http://www.medicallegalcenter.com">www.medicallegalcenter.com</a>	018002150818	Mexico
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## MEDICONTUR

**Booth Number 2714/ 2715**



MEDICONTUR, a European IOL manufacturer, develops, manufactures and promotes intraocular implants since twenty five years of continuous growth, coupled with an exemplary proven safety record. Distributors in many countries worldwide now rely on MEDICONTUR's commitment to quality. MEDICONTUR offers a full range of PRELOADED Aspheric Hydrophilic & Hydrophobic, as well as Premium Toric, Multifocal, Multifocal Toric IOL's. Medicontur is launching a unique solution for AMD: The SML and a new OVD range.

<a href="mailto:export@medicontur.com">export@medicontur.com</a>	<a href="http://www.medicontur.com/">http://www.medicontur.com/</a>	+41 22 510 24 22	Switzerland
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## MED-LOGICS



**Booth Number 2221**

MED-LOGICS is a US based manufacturer with 23 years of ophthalmic device experience. MED-LOGICS manufactures products for the LASIK and DSAEK procedures and will soon introduce the CataPulse Lens Removal System that does not utilize phaco energy to remove the lens. Our brands include the ML7, Nitro, CleanTouch and CataPulse. All MED-LOGICS products are manufactured in the United States

[info@mlogics.com](mailto:info@mlogics.com)

<http://www.mlogics.com/>

949-582-3891

USA

## Medical Dimegar



**Booth Number 2731**

Medical Dimegar es una empresa Mexicana con 26 años de experiencia en el Sistema Gubernamental de Salud Nacional, nuestra empresa fue formada con el propósito de ofrecer a nuestros clientes un concepto innovador de servicios profesionales. ofrecemos soluciones integrales "Especializadas en Oftalmología"

[ventas@medicardimegar.com.mx](mailto:ventas@medicardimegar.com.mx)

<http://www.medicardimegar.com.mx/>

91720440

Mexico

## Micro Medical Devices Inc.



**Booth Number 323**

The leading manufacturer of hand-held, battery operated, state-of-art ophthalmic medical devices. Our A-Scan Biometers, Pachymeters, B-Scans, Keratometers, and Tonometers create solutions that are powerful, portable and economical which deliver precise measurements within practices large and small. Our mission is to deliver tools that allow eye care professionals to promote optimal health and well-being for their patients. We invite you to experience the power and efficiency of our portable solutions.

[sales@micromedinc.com](mailto:sales@micromedinc.com)

<http://micromedinc.com/>

(818) 222-3310

USA

## Micromega



**Booth Number 1027/ 1127**

El antejo más ligero del mundo con tan solo 0.9 gramos de peso, producto artesanal, cosido a mano sin tornillos, pegamento ni soldaduras. Titanio 100%. Made in Italy.

[jcalba@styloptic.com.mx](mailto:jcalba@styloptic.com.mx)

<http://www.micromega.com.mx/>

555437 4333

Italy



## Moria S.A.

**Booth Number 113**



Moria: A New Era begins...

A new chapter in the history of Moria is beginning. Building on years of solid experience and know-how, Moria is expanding its activities to retinal surgery and the cataract market with IOL and OVD. Moria is reinforcing its leadership in instrumentation by adding the innovative Composites line that offers performance equivalent to the best conventional instruments and consolidate its leadership in microkeratomes for transplantation and refractive surgery.

<a href="mailto:fradenac@moria-int.com">fradenac@moria-int.com</a>	<a href="http://www.moria-surgical.com/">http://www.moria-surgical.com/</a>	+ 33 (0)5 56 88 47 95 + 33 (0)1 46 74 46 64	France
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## Movu Incorporated

**Booth Number 1024**



Movu leverages 50 years of experience in cutting edge optical science to develop advanced optical imaging techniques. Using Optical Coherence Technology (OCT), our advanced biometer, Argos delivers superior measurement success rates, speed and accuracy to the IOL selection process, outperforming competitors with the highest success rate and accuracy, even among the densest of cataracts. With advanced OCT technology, clinicians can for the first time acquire non-invasive, non-contact whole-eye 2D imaging.

<a href="mailto:gwyn@santec.com">gwyn@santec.com</a>	<a href="http://movu-inc.com/">http://movu-inc.com/</a>	(201) 488-5505 x 1530	USA
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## NEMERA



**Booth Number 2324**

Nemera is a world leader in the design, development and manufacturing of drug delivery solutions. Its expertise covers several modes of delivery: ophthalmic, nasal/buccal/auricular pulmonary, dermal and parenteral. Novelia®, its new multidose ophthalmic packaging, represents a major innovation in ophthalmic drug delivery by providing a preservative-free alternative for chronic treatments in a patient-friendly package. Novelia® has been used as for packaging drug products as well as medical devices in over 15 countries worldwide.

<a href="mailto:information@nemera.net">information@nemera.net</a>	<a href="http://www.nemera.net">http://www.nemera.net</a>	+33 4 74 94 06 54	France
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## New World Medical Inc.



**Booth Number 1325**

New World Medical Inc., the manufacturer of the Ahmed Glaucoma Valve, has the mission to fulfill patient needs through safe and effective medical devices, complying with regulatory requirements and quality system procedures.

<a href="mailto:info@ahmedvalve.com">info@ahmedvalve.com</a>	<a href="http://www.ahmedvalve.com/">http://www.ahmedvalve.com/</a>	909.466.4304	USA
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## NIDEK CO. LTD.

**Booth Number 1003**



Since its inception in 1971 NIDEK rapidly became a global leader in the vision care industry based on a reputation of quality and reliability of its products. NIDEK provides a wide range of equipment for the refraction, diagnosis, and treatment of vision disorders. Through ongoing research and development of new products, NIDEK will continue to meet the needs of vision care professionals worldwide.

[marketing@midek.co.jp](mailto:marketing@midek.co.jp)

<http://www.nidek.com>

+81-533-67-8895

Japan

## Ocular Instruments, Inc.

**Booth Number 1624**



Abbott Medical Optics is focused on providing the full range of advanced refractive technologies and support to help eye care professionals deliver optimal vision and lifestyle experiences to patients of all ages. Ophthalmic surgical products include intraocular lenses, laser vision correction systems, phacoemulsification systems, viscoelastics and related products used in cataract and refractive surgery.

[contact@ocularinc.com](mailto:contact@ocularinc.com)

[www.ocularinc.com](http://www.ocularinc.com)

800-888-6616

USA

## OCULUS Optikgeräte GmbH

**Booth Number 2218**



OCULUS has been a partner for ophthalmologists, optometrists and opticians worldwide for 120 years. OCULUS develops first-class instruments for purposes of diagnostics, treatment and training for this clearly defined user community in order to support their challenging tasks. OCULUS instruments are sold in over 80 countries across the globe. The high demands made on medical technology today define the OCULUS benchmark for development, sales, distribution and training. Made in Germany. Made by OCULUS.

[export@oculus.de](mailto:export@oculus.de)

[www.oculus.de](http://www.oculus.de)

1 425-670-9977

USA

## OD-OS Inc.

**Booth Number 114**



OD-OS, headquartered in Teltow near Berlin, Germany, is the pioneer of Navigated Retinal Imaging and Laser Treatment. Its groundbreaking Navilas® technology, currently available in 532 nm and 577nm wavelength and microsecond pulsing option, enables the doctor to improve overall treatment accuracy as well as speed, comfort and safety in laser treatment of retinal disease. An optimized therapy concept aims at adding a durable effect and cost-effectiveness to pharmacological therapies.

[info@od-os.com](mailto:info@od-os.com)

[www.od-os.com](http://www.od-os.com)

0049 3328 312 82 100

Germany



## Oertli Instrumente AG

**Booth number 307/ 308/ 309/ 310**



For over 60 years we have been successfully developing, producing and selling surgical equipment for eye surgery that enables doctors and OR personnel to work in a safer, easier and more efficient way. For the first time we will present our new OS4 surgical platform for cataract, glaucoma and vitreoretinal procedures to the visitors of the WOC.

<a href="mailto:info@oertli-instruments.com">info@oertli-instruments.com</a>	<a href="http://www.oertli-instruments.com">www.oertli-instruments.com</a>	+41 (71) 747 42 00	Switzerland
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## Oftálmica Internacional

**Booth Number 618/ 818**



OFTÁLMICA  
INTERNACIONAL

Fundada hace 30 años poniendo al alcance del oftalmólogo mexicano equipo e insumos de máxima calidad, con precios justos y accesibles. Hemos realizado alianza estratégica con más de 20 firmas de prestigio internacional: Instrumental Quirúrgico, LIOS, Unidades Oftálmicas, Anteojos Flexibles, Anillos Intra Corneales, Auto Querato Refractores, Lámparas de Hendidura, Microscopios Quirúrgicos, etc.

Lic. Marcela Rodríguez Pérez	<a href="http://www.oftalmica.com">www.oftalmica.com</a>	Tel. (664) 684 8230	Mexico
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## Okuvision

**Booth Number 625/ 626**



Okuvision offers the “OkuStim®” system, which is one of the first outpatient treatments for retinitis pigmentosa (RP) whose safety and efficacy has been shown in clinical studies. The Okuvision therapy can verifiably slow down the progression of the disease and thereby preserve vision for longer by guiding weak electrical pulses to the retina. OkuStim® is a CE approved medical product and can only be used with a medical prescription.

<a href="mailto:info@okuvision.de">info@okuvision.de</a>	<a href="http://www.okuvision.de">www.okuvision.de</a>	+49 7121-36403-299	Germany
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## OPHTEC BV

**Booth Number 2716/ 2617/ 2618**



Unique inventions and a passion for sight has characterized Ophtec and its high quality products for over 30 years. Ophtec is the industry’s pioneer in cataract and refractive Intra Ocular Lenses (IOLs) and today’s market leader in premium IOLs and innovator of trauma implantable devices. Ophtec has experience in meeting ophthalmologists’ needs with unique and high quality products. The OPHTEC brand is established and recognized globally.

<a href="mailto:info@ophtec.com">info@ophtec.com</a>	<a href="http://www.ophtec.com">www.ophtec.com</a>	+ 310 50 5251944	Netherlands
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## OPHTHA Especialidades Oftalmológicas SA.

**Booth number 2430/ 2530**



OPHTHA es una laboratorio farmacéutico fundado en 1993 para desarrollar productos oftalmológicos. Ha logrado la vinculación de los especialistas que influyen en la prescripción de sus productos, gracias a la calidad de sus medicamentos representada en su eficacia terapéutica, tolerabilidad de sus productos y altos estándares de fabricación, elementos que se constituyeron en la base fundamental

[directorbogota@ophtha.com.co](mailto:directorbogota@ophtha.com.co)

<http://www.ophtha.com.co/>

(574) 448 19 18

Colombia

## OPKO Health Mexico



**Booth Number 110**

OPKO Mexico, es parte de una compañía multinacional biofarmacéutica y de diagnóstico. Unos esfuerzos para tener un portafolio de productos de la más alta calidad, ofreciendo a nuestros clientes la seguridad de contar con excelentes productos a un mejor costo – beneficio. En el área de oftalmología, tenemos en investigación productos innovadores para próximos años, y actualmente ofreciendo: Antialérgicos, Antibióticos, Antiglaucomatosos, Antiinflamatorios, Descongestivos y Lubricantes.

[servicioalcliente.mx@opko.com](mailto:servicioalcliente.mx@opko.com)

[www.opko.com.mx](http://www.opko.com.mx)

01 800 849 1160

Mexico

## Opti Representaciones



**Booth Number 1025**

Más de 20 años de experiencia en proveer las mejores herramientas y tecnología para el diagnóstico, tratamiento y solución de los problemas visuales en México. Buscamos asesorar, capacitar y trabajar con los profesionales de la Salud Visual para encontrar soluciones tangibles, cómodas y de primera calidad que brinden a sus pacientes mayor libertad, seguridad y control sobre sus vidas.

[info@optirepresentaciones.com.mx](mailto:info@optirepresentaciones.com.mx)

5574-0995

Mexico

## Optos, Inc



**Booth Number 622**

Optos delivers comprehensive ultra-widefield retinal imaging devices that produce clinically validated optomap images. optomap enables eye care professionals to see, diagnose and treat more diseases earlier thus saving sight and lives. Our latest retinal imaging product, California is designed for ophthalmologists and vitreo-retinal specialists. It offers multiple imaging options including color, red-free, fluorescein and indocyanine green angiography and autofluorescence.

[USinfo@optos.com](mailto:USinfo@optos.com)

[www.optos.com/](http://www.optos.com/)

+508-787-1400

USA



## Optovue

**Booth Number 411/ 412**



Optovue is dedicated exclusively to OCT and has pioneered numerous innovations that have changed the way that eye care professionals care for the health of their patients' eyes. In collaboration with ophthalmic specialists, Optovue continues to pursue a single-minded vision to enhance and advance OCT technology.

- First Spectral Domain OCT
- First OCT with Retina & Cornea Applications
- First Ganglion Cell Complex Analysis
- First OCT Angiography Imaging System

Ashley Guidace	<a href="http://www.optovue.com/">http://www.optovue.com/</a>	1-510-623-8868	USA
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## Pan-American Association of Ophthalmology



**Booth Number 105**

The Pan-American Association of Ophthalmology is dedicated to the prevention of blindness through lifelong education and cultural exchange among ophthalmologists in the Western Hemisphere.

<a href="mailto:info@pao.org">info@pao.org</a>	<a href="http://www.pao.org">www.pao.org</a>	(817) 275-7553	USA
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## Peschke Trade



**Booth Number 423**

Our core business is to discover and commercialize innovative products in eye care with proven clinical evidence to create new solutions. Our focus lies on corneal cross-linking, the non-invasive correction of ectatic corneal disorders and the new method for the treatment of infectious keratitis, bullous keratopathy and Fuch's dystrophy. In partnership with our distribution partners we provide physicians around the world the possibility to maintain and improve eye health care for their patients.

<a href="mailto:yvette.viscuso@peschke.com">yvette.viscuso@peschke.com</a>	<a href="http://www.peschke.com">www.peschke.com</a>	+41 41 784 9460	Switzerland
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## PhysIOL sa/nv



**Booth Number 2703/ 2704**

PhysIOL is a European manufacturer of premium IOLs made out of hydrophilic and hydrophobic acrylic. PhysIOL's latest optical solutions are: FineVision, the first trifocal diffractive IOL which significantly improves vision at all distances; Ankoris, a hydrophilic toric IOL which provides optimal rotational stability, FineVision Toric, the new trifocal diffractive toric IOL, and MicroPure123, a 100% glistening-free hydrophobic preloaded IOL. Our products are supplied to ophthalmic surgeons in over 60 countries, through a worldwide distribution network.

<a href="mailto:physiol@physiol.be">physiol@physiol.be</a>	<a href="http://www.physiol.be">www.physiol.be</a>	+32 (4) 361 05 49	Belgium
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## Plusoptix

Booth number 116



Plusoptix has been developing hand-held, binocular autorefractometers since 2003. These devices substantially simplify the entry examination of infants, children and uncooperative patients. Within a second both eyes are measured simultaneously from one meter away, thus without the need for cycloplegic eye drops.

[c.schmidt@plusoptix.com](mailto:c.schmidt@plusoptix.com)

[www.plusoptix.com](http://www.plusoptix.com)

+1 800-488-6436

USA

## PMS GmbH

Booth number 419



The world is changing faster than ever before in history - and so are the specific needs of the customers. The demand is for flexibility, reliability, quick response, and quality. Everywhere service is the key. PMS GmbH is taking this into account. Our sales and customer service representatives, as well as competent international distributors around the world, will provide the assistance you may need for PMS products. At PMS, people make the difference. A dedicated service team - backed up by an efficient stocking and distribution system - will give you the competitive edge you need to build your business.

[info@pms-tuttlingen.de](mailto:info@pms-tuttlingen.de)

<http://www.pms-gmbh.de/>

+49 7461-13131

Germany

## Quantel Medical

Booth number 2723/ 2724



Quantel Medical is a global ophthalmic medical device company dedicated to developing leading technologies for the treatment and diagnosis of ocular diseases. Quantel Medical has a strong emphasis in research and development, resulting in many first-to-market product introductions and a comprehensive product portfolio of diagnostic ultrasound and surgical lasers for ophthalmologists. Versatile platforms in our ultrasound, anterior segment lasers and multispot lasers are configured to meet the very specific

<http://www.quantel-medical.com/>

Tel +1 877 782 6835

France



## Rayner

**Booth Number 926**



Rayner is a British company and the only manufacturer of intraocular lenses in the UK. Rayner designs and manufactures intraocular lenses and proprietary injection devices for use in cataract surgery. When Sir Harold Ridley designed the world's first IOL in 1949, he chose Rayner to manufacture this ground-breaking invention. With more than 65 years of continuous growth and experience, we now sell to over 70 countries and remain at the forefront of innovation. Our mission is to deliver innovative and clinically superior ophthalmic products that consistently respond to the expectations of our global customers and reward the profound trust placed in us to improve sight and quality of life. In 2015 Rayner will be moving to a brand new state of the art manufacturing plant, which will dramatically increase the company's production capacity.

\*Not all Rayner products are approved for sale in every country. Please contact your local Rayner distributor for details of which products are available in your area.

	<a href="http://www.rayner.com">www.rayner.com</a>	+44 (0)1903 258 900	UK
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## Review of Ophthalmology en Español



**Booth Number 108/ 109**

Con más de 10 años en el mercado y presencia en 19 países de América Latina, Reiview of Ophthalmology en Español es una excelente herramienta para que la comunidad oftalmológica latinoamericana se mantenga al tanto de la actualidad de la industria y muestre sus últimos avances clínicos. Hoy, más de 24000 oftalmólogos tienen acceso tanto a la revista física como a nuestras diferentes plataformas virtuales, convirtiéndonos en líderes del sector.

<a href="mailto:ccastillo@clatinmedia.com">ccastillo@clatinmedia.com</a> <a href="mailto:ventas1@clatinmedia.com">ventas1@clatinmedia.com</a>	<a href="http://www.ofthalmologoaldia.com">www.ofthalmologoaldia.com</a>	55 4196 0185 55 4196 0186	Mexico
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## Reysa



**Booth Number 1131/ 1231**

<a href="mailto:as_reysa@hotmail.com">as_reysa@hotmail.com</a>		(01 55) 5590-8790	Mexico
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## Rocol



**Booth Number 304**

<a href="mailto:cduque@rocol.com.co">cduque@rocol.com.co</a>			Colombia
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## Rumex International Corp.

**Booth Number 418**



Rumex International Corporation is one of the leading manufacturers of reusable and disposable instruments for the hand-held ophthalmic surgery headquartered in the United States. We offer more than 2,000 items of fine-quality and affordable instruments, IOLs and other consumable products for surgeries in both anterior and posterior segments. We use special Titanium and Stainless Steel alloys to provide doctors with long-living, lightweight and convenient instruments, developed in cooperation with industry experts.

<a href="mailto:rumex@rumex.net">rumex@rumex.net</a>	<a href="http://rumex.net/">http://rumex.net/</a>	+1 727 535 9600	USA
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## S4OPTIK

**Booth Number 1003/ 1028/ 1128/ 1228**



S4OPTIK delivers extraordinary value in high quality diagnostic equipment and accessories for the eye care industry. Our manufacturing facilities in North America, Europe and Japan fabricate the most reliable and innovative equipment available on the market. With modern designs to enhance any office environment, competitive prices to help manage costs, and an industry leading warranty, S4OPTIK eye care instruments help eye doctors deliver the very best in patient care.

<a href="mailto:info@s4optik.com">info@s4optik.com</a>	<a href="http://www.s4optik.com">www.s4optik.com</a>	1-888-224-6012	USA
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## SAM Internacional

**Booth Number 320**



SAM Internacional is the exclusive distributor of Rohto Neo Eye intraocular lenses for Mexico.

<a href="mailto:saminternacionalsdlr@hotmail.com">saminternacionalsdlr@hotmail.com</a>		00 52 (55) 6461 84	Mexico
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## SOE 2017 (European Society of Ophthalmology)

**Booth Number 104**



SOE was founded in 1956 as the Societas Ophthalmologica Europea (SOE), with the aim of promoting ophthalmology in Europe and stimulating co-operation between European Ophthalmologists and their National Societies. The next Congress of the European Society of Ophthalmology (SOE 2017) will take place from 10 – 13 June 2017 in Barcelona, Spain. As always, we will arrange an unsurpassed scientific programme in close collaboration with the European subspecialty and educational organizations in ophthalmology. This will result in an outstanding set of speakers covering all topics of ophthalmology.

<a href="mailto:soe2017@soevision.org">soe2017@soevision.org</a>	<a href="http://www.soevision.org">www.soevision.org</a>	<a href="http://www.soe2017.org">www.soe2017.org</a>	44 7866 480322	UK
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## Shangai Bolan Optical

**Booth number 2705**



Our factory is specialized in producing ophthalmic optical instruments, medical equipment and the advanced lens processing machinery enterprises. Since the founding, the staff of "working together, refinement and pragmatic, pioneering and innovative" the entrepreneurial spirit so that the factory quickly developed into a technologically advanced, high quality, scientific management of medical equipment manufacturing enterprises. Enterprises with advanced high-quality products, the use of preferential prices and thoughtful pre-sale, sales, after-sales service for the survival and development. Production slit lamp microscope won 99 (Paris, France) International Medical Instruments Exhibition Gold Award; After three years production has repeatedly test the curvature of the cornea, and other professional products to enhance optical industry,

[sales1@sh-bolan.com](mailto:sales1@sh-bolan.com)

[www.sh-bolan.com](http://www.sh-bolan.com)

+86-21-69225166

China

## SIFI

**Booth Number 1627/ 1628**



SIFI is the only Italian ophthalmic company to feature an full-cycle, integrated business model, including research, development, manufacturing and marketing of pharmaceutical specialties and surgical and medical devices. Cutting-edge innovation, continuous development, a clear understanding of patients and caregivers needs, have shaped an extensive spectrum of eye care products, developed and marketed by our main Italian and foreign branches. SIFI group has acquired a strong presence in the Americas and in European countries, either through its own subsidiaries or through partnering commercial distributors. In Mexico SIFI is represented by LABORATORIOS SIFI de México, established in 2007.

[Carolina.Labra@sifigroup.com](mailto:Carolina.Labra@sifigroup.com)

[www.sifigroup.com](http://www.sifigroup.com)

+52 (55) 5263 2450

Italia

## Speedway Surgical Co.

**Booth Number 420**



Speedway Surgical Co. is one of the leading manufacturers and exporters of surgical instruments and appliances in India and across globe. The company is committed to provide international quality standards and is ISO 9001:2008, ISO 13485:2003 certified and registered with FDA and CE Mark. We are offering ophthalmic instruments at Discounted Prices especially for the exhibition.

[td@speedwaydelhi.com](mailto:td@speedwaydelhi.com)

[www.speedwaydelhi.com](http://www.speedwaydelhi.com)

+91 11 2741 7545

+91 11 4237 2101

India



## Soluciones Integrales Oftalmológicas Triana SA de CV



**Booth Number 2207**

Somos una empresa constituida con capital 100% mexicano, creada con la finalidad de atender a las instituciones de salud en el área oftalmológica, ofreciendo Servicio Técnico (instalación, capacitación y mantenimiento) así como Soluciones Integrales de vanguardia en Oftalmología. Brindamos a nuestros clientes, bienes, servicios, atención especializada, atención personalizada y seguridad al seleccionarnos como su mejor alternativa en el mercado.

[td@speedwaydelhi.com](mailto:td@speedwaydelhi.com)

[www.solucionestriana.com](http://www.solucionestriana.com)

+52 (55) 5119 90 80

Mexico

## SynergEyes



**Booth Number 1924**

The only advanced-technology, high-performance and OD-led contact lens company focused exclusively on the leading independent ECPs. Offering unique opportunities for patient satisfaction, practice differentiation and recurring revenue, SynergEyes hybrid lenses include Duette® and Duette® Progressive for astigmatism and presbyopia, and UltraHealth® and UltraHealth FC for Keratoconus and corneal irregularities.

<http://synergieyes.com/>

877.733.2012

USA

## The Fred Hollows IOL Laboratory



**Booth Number 1327**

Since entering into commercial operation in 1995, Fred Hollows IOL laboratory, Kathmandu has exported over 5 millions of IOLs throughout the world. The lab is the first intraocular lens manufacturer to obtain the CE Mark in the South Asian region itself. The laboratory thus has been guaranteeing the highest quality that matches world-class standards.

[sales@tilganga.com.np](mailto:sales@tilganga.com.np)

<http://fhiol.com/>

+977 1 4493775

Nepal

## Topcon Medical Systems, Inc.



**Booth Number 603**

Topcon presents a wide range of innovative ophthalmic equipment that is well recognized for its ease-of-use, quality and economical price. Please visit our website to see our entire product offering.

[www.topconmedical.com](http://www.topconmedical.com)

201.599.5100

USA



## UFSK International Osys Gmbh



**Booth Number 2707/ 2708**

UFSK's revolutionary Mobile Table Rotation system will vastly improve your patient throughput and minimize non operative time in the OR. This system has been shown to save up to two hours per day over traditional surgical solutions.

- Faster Set-up
- Less Manpower
- Quicker Transitions
- Vastly Improved Throughput
- Increased Profitability

<a href="mailto:isabel.haertel@ufsk-osys.com">isabel.haertel@ufsk-osys.com</a>	<a href="http://www.ufsk-osys.com">www.ufsk-osys.com</a>	+49 941 78862-44	Germany
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## Vision Share



**Booth Number 2706**

Vision Share operates the most advanced network of eye banks in the world and is the premier organization for sourcing and supplying human eye tissue for transplant, therapy, medical education, and research. Learn how our industry-leading experience, expertise and innovation and provide you with the Vision Share Advantage.

<a href="mailto:jmochinski@visionshare.org">jmochinski@visionshare.org</a>	<a href="https://visionshare.org/">https://visionshare.org/</a>	1-888-65-74448	USA
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## Vistamerica



**Booth Number 2234**

Vistamerica es una empresa joven, fundada en 2009, dirigida por un Médico Oftalmólogo que entiende las necesidades tanto de los pacientes como de los médicos buscando ofrecer un excelente servicio y calidad en sus productos. Nos especializamos en la fabricación y distribución de productos y dispositivos médicos oftálmicos de alta calidad.

<a href="mailto:denise@vistamerica.net">denise@vistamerica.net</a>	<a href="http://www.vistamerica.net">www.vistamerica.net</a>	+52 1 55 1300 3622	Mexico
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## Voigtmann GmbH



**Booth Number 2233**

Voigtmann GmbH is an owner-run, medium-size and ISO 9001 and ISO 13485 certificated IT system house that develops and markets cloud-based complete solutions and services for mass screenings in the area of ophthalmology, especially for the automated early recognition of diabetic retinopathy and age-related macular degeneration AMD. In the field of research and development, the company works closely with university institutes and a university hospital.

<a href="mailto:welcome@voigtmann.com">welcome@voigtmann.com</a>	<a href="http://www.voigtmann.com">www.voigtmann.com</a>	+49 911 4777650	Germany
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## VSY Biotechnology

**Booth Number 2230/ 2330**



VSY Biotechnology is the innovative manufacturer company in cataract segment, ophthalmology. Value added - niche products have been added into its product portfolio in each year. Tri-ED, Trifocal IOL with EDOF combination and Enova, glistening -free, dry packaged hydrophobic IOL are the last examples. The combination of target driven R&D projects with strict quality assurance policy enables VSY Biotechnology, to deliver high quality IOLs and OVDs for cataract surgery.

	<a href="http://www.vsybiotechnology.com">www.vsybiotechnology.com</a>		
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## Wexler Surgical

**Booth Number 2224/ 2225**



Wexler Surgical designs and manufactures a wide range of innovative high quality Titanium and Stainless Steel Specialty surgical instruments and disposable products for use in Ophthalmic and Micro Surgery.

<a href="mailto:sales@wexlersurgical.com">sales@wexlersurgical.com</a>	<a href="http://www.wexlersurgical.com">www.wexlersurgical.com</a>		USA
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## World Medicine Ophthalmics LTD

**Booth Number 2525**



World Medicine Ophthalmics is a part of the WORLD MEDICINE group of companies, engaged in development, production, and sales of pharmaceutical products, presented in more than 35 countries worldwide. As a first class ophthalmic market player, World Medicine Ophthalmics has contributed substantially to the advancement and accessibility of ophthalmic therapies for patients with unmet medical needs. Our R&D laboratory is fitted with the advanced high-technology equipment. Our motto is "Health is the treasure we share".

<a href="mailto:info@wm-ophthalmics.com">info@wm-ophthalmics.com</a>	<a href="http://www.wm-ophthalmics.com/">http://www.wm-ophthalmics.com/</a>	+4402083713642	UK
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## Zeiss

**Booth Number 614**



This is a German Company founded in 1846 dedicated at sales of medical equipment

<a href="mailto:gabriela.gutierrez@zeiss.com">gabriela.gutierrez@zeiss.com</a>	<a href="http://www.zeiss.com.mx">http://www.zeiss.com.mx</a>	+ 52 55 59990200	USA
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# Author Index



# REVIEW

En español of ophthalmology

En alianza con los oftalmólogos

de América Latina.

Visita  
nuestras redes

 @oftalmologoRO  
 /oftalmologoaldia  
[www.oftalmologoaldia.com](http://www.oftalmologoaldia.com)

México

**Claudia Castillo**  
[ccastillo@clatinmedia.com](mailto:ccastillo@clatinmedia.com)  
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Tel.: (55) 41960185/86  
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USA, Región Andina y otras ciudades

**Héctor Serna**  
[ventas1@clatinmedia.com](mailto:ventas1@clatinmedia.com)  
Bogotá - Colombia  
Tel: (571) 6290144 Ext. 123  
Celular: (57) 301 2031 681

**creative**  
latin media



## A

- Abad, Juan 224  
 Abbott, Richard 83, 99, 120, 139  
 Abdala, Alberto 259, 262  
 Abdala, Alexandra 112, 156, 193, 218  
 Abdalla, Moones 194, 195  
 Abdelghany, Ahmed 224  
 Abdelmaksoud, Ahmed 194, 209  
 Abdulla, Ahmed 178  
 Abelenda, Álvaro 237  
 Abente, Sonia 256  
 Abib, Fernando 222  
 Abouammoh, Marwan 112  
 Abou-Rayyah, Yassir 66  
 Abraham, Aloysius 201  
 Abrego, Ricardo 173  
 Abroug, Nesrine 160, 287, 293, 294  
 Abysheva, Laura 234  
 Acar, Ugur 282  
 Acevedo, Pedro 102  
 Acharya, Rajendra 248  
 Acikalin, Arbil 220  
 Ackland, Peter 132  
 Acosta, Jesús 245, 273  
 Adam, Alejandro 113  
 Adelman, Ron 105, 107  
 Adeoti, Caroline 229  
 Adeoye, Adewunmi 263  
 Adhikari, Ravi 195  
 Adib-Moghaddam, Soheil 272  
 Adrianzén, Rosa 228  
 Afshar, Armin 141  
 Agarwal, Rohit 216  
 Agarwal, Tushar 157, 198  
 Agban, Yosra 109  
 Aghayeva, Rana 227  
 Agomo, Emelike 240  
 Agrawal, Sneha 230  
 Aguilar, Alejandra 94, 194, 265  
 Aguilar, Carlos 196, 199  
 Aguilar, José 212, 213  
 Aguilar, Luis 221, 238, 264  
 Aguilera, Fernando 149, 158, 214  
 Aguilera, Jorge 223  
 Aguilera, Park Fernando 158  
 Aguirre, Montserrat 264  
 Agulto, Manny 166  
 Ahmadieh, Hamid 280, 282, 291  
 Ahmad, Khabir 210, 230, 281  
 Ahmad, Sharfuddin 227  
 Ahmed, Ahmed Abdulla 83  
 Ahmed, Iqbal Ike 66, 100, 101, 148, 166, 172, 179  
 Ahmed, Manzoor 244  
 Ahmed, Osama 184, 194, 195  
 Ahn, Hee Bae 129  
 Ahsan, Tarikul 195  
 Aiello, Lloyd 122  
 Akan, Pinar 280  
 Akar, Solmaz 279  
 Akcetin, Tulay 213, 222, 291  
 Akduman, Mustafa 248  
 Akinfe, Akinwale 199, 271  
 Akiyama, Kunihiko 235, 275, 277  
 Akkoç, Tunç 239  
 Akkoyun, Imren 286, 287  
 Akova, Yonca Aydin 224  
 Alabiad, Chris 91  
 Al Adba, Buthaina 294  
 Al Alawi, Ebtisam 178  
 Alam, Md 111, 259  
 Alarcón, Isaac 196  
 Alatorre, Julio 226  
 Alayoubi, Ayman 263  
 Alba, Alan Ricardo 230, 257, 279  
 Albavera, Tania 196  
 Albekairy, Abdulkareem 230  
 Alber, Raimund 91  
 Albertazzi, Roberto 176  
 Albiasu, Edurne 109  
 Albis, Óscar 61, 93, 107, 143, 169, 232, 235, 236, 237  
 Alcalá, Ma. Guadalupe 219  
 Alcaraz, Ana 149  
 Alcaraz, Nayeli 262  
 Aldave, Anthony 63, 88, 102, 107, 145, 150  
 Aldebasi, Tariq 230  
 Aldecoa, Juan 68  
 Aldrees, Sultan 254, 256  
 Aldrete, Adrián 247  
 Alegría, Elisa 112, 148, 219, 220, 270, 271  
 Alejandro 111  
 Alenazi, Thamer 230  
 Alezzandrini, Arturo 134, 186, 279  
 Al-Fakhri, Abdullmajeed 230  
 Alfaro, Raúl 199  
 Alferayan, Yazeed 230  
 Alfonso, Eduardo 67, 99, 143, 205  
 Alfonso, José F. 156  
 Alghamdi, Sarah 254, 256, 287  
 Al Haddad, Christiane 174  
 Al-Harby, Saleh 228  
 Alhazzaa, Selwa 250, 267  
 Ali, Asim 294  
 Ali, Azam 230, 281  
 Aligera, Alina 267  
 Alihuseynli, Emin 266  
 Alikhanova, Valida 111  
 Alikma, Mustafa Suat 213  
 Ali, Mohamed 210  
 Alio, Jorge 62, 63, 65, 67, 107, 144, 156, 166, 187, 195, 214, 224  
 Ali, Syed 269  
 Alkatan, Hind 123, 165, 171, 258  
 Alkatheri, Abdulmalik 230  
 Alkharashi, Mann 254



- Allemann, Norma 103  
 Almanza, Mónica 251, 293  
 Almánzar, Dagoberto 156  
 Almeda, Paloma 196  
 Almendarez, Juan 247  
 Almobarak, Faisal 239  
 Al-Mujaini, Abdullah 258  
 Alotaibi, Abdullah 229  
 Al Otaibi, Faisal 244  
 Al-Raisi, Abdulatif 228  
 Alrashed, Waleed 228, 263  
 Alrekabi, Firas 248  
 Al-Sayyed, Amal 67  
 Alshehri, Fayez 264  
 Alsheikh, Osama 263  
 Alsulaiman, Sulaiman 112  
 Altaf, Sumaira 269  
 Altintas, Ayse Gul Kocak 281  
 Alvarado, Beatriz 111  
 Alvarado, Enrique 214  
 Alvarado, Geovanny 109  
 Alvarán, Melissa 110  
 Álvarez, Carlos 105, 290  
 Álvarez, Daniela 225  
 Álvarez, Juan 189  
 Álvarez, Leticia 244  
 Álvarez, Lidia 241, 267, 268  
 Álvarez, María 231, 273  
 Alzamil, Waseem 112  
 Amansahedov, Shamyrat 159  
 Amaya, Luis 99  
 Ambiya, Vikas 276  
 Ambroziak, Anna 222, 281  
 Amer, Radgonde 290  
 Amescua, Guillermo 99, 102, 120, 129, 222  
 Amezquita, Patricia 228  
 Amin, Yehia 166, 176, 177, 184  
 Amiryan, Anush 111, 254  
 Ammous, Imen 213, 214  
 Amore, Filippo 182  
 Amrith, Shantha 260  
 Anagol, Namita 290  
 Anand, Abhishek 108  
 Anaya, Edwin 113, 260  
 Anaya, Melis Del Carmen 226, 253  
 Anbari, Anas 184  
 Ancona, David 222  
 Andersen, Carl Uggerhøj 226  
 Anderson, Lynn 96, 126, 164  
 Andion, Monica 244  
 Androu, Angeliki 112  
 Ángel, Edna 103, 272  
 Ángelov, Alexander 214  
 Ángelov, Yavor 214  
 Ang, Robert 136, 155, 211  
 Angulo, Eusebio 194  
 Annamalai, Anand 259  
 Annamalai, Radha 229, 241, 277  
 Ansart, Alberto 255  
 Anton, Alfonso 240  
 Aqil, Amash 210  
 Araie, Makoto 81, 90, 166  
 Arambulo, Odalis 163  
 Arandia, Gerardo 259, 260  
 Arat, Yonca 263  
 Araujo, Rocío 157  
 Arbatauskyte, Laura 229  
 Arce, Luz 113, 247, 255  
 Archer, Timothy 195  
 Arcos, Ethel Guinto 159  
 Aref, Ahmad 149  
 Arellanes, Lourdes 80, 86, 105, 109, 121, 122, 124, 183, 291, 292, 294  
 Arellano, Eduardo 211  
 Arenas, Eduardo 101  
 Arévalo, Diana 246, 275, 280, 283  
 Arévalo, J. Fernando 68, 77, 82, 87, 97, 105, 112, 121, 134, 137, 147, 165, 169, 176, 182  
 Arf, Serra 278  
 Arias, Juan 109, 255, 289  
 Arieta, Carlos 143  
 Ariza, Enrique 252, 253  
 Ariğ, Ülkü 239  
 Arnold, Jennifer 160  
 Aronne, Kristo 280  
 Aronow, Mary Beth 121  
 Arora, Varun 110  
 Arrieta, Jesús 173, 192, 251  
 Arriola, Andrea 274  
 Arriozola, Karen 251  
 Arroyo, Jorge 87  
 Arroyo, José 196, 277, 284  
 Arroyo, Leticia 109, 110, 152, 241  
 Arroyo, Lucía De Fátima 216  
 Arroyo, María 85, 86, 265, 266, 269  
 Arroyo, María Estela 93, 194  
 Arsan, Aysu 282, 286  
 Arslan, Saadet 229  
 Artal, Pablo 62, 295  
 Arvas, Sema 279  
 Asaoka, Ryo 234, 237  
 Asbell, Penny 133, 138, 172, 178, 225  
 Ascencio, Claudia Margarita 249, 264, 268  
 Ashano, Oluwabunmi 241  
 Ashtar-Nakhaie, Parisa 283  
 Ashton, Paul 177  
 Aslam, Sher 273  
 Aslanova, Veronika 287  
 Asmus, Friedrich 197  
 Asoklis, Rimvydas 244, 245  
 Assaf, Ahmed 227  
 Astle, William 126, 170  
 Astorga, I. Aline 244  
 Astrelin, Michail 193  
 Aswad, Lama Al 175



Atakan, Mehmet 251  
 Ates, Halil 233  
 Atherton, Sally 82, 95  
 Atiquzzaman, Md 195  
 Attia, Mary 227  
 Attia, Sonia 160, 287  
 Aubin, Marie-Josée 133  
 Auffarth, Gerd 227  
 Augustin, Albert 117, 133  
 Augyte, Aiste 245  
 Aung, Tin 97  
 Ausayakhun, Somsanguan 273  
 Ávalos, Carlos 109, 255, 289  
 Avci, Remzi 112  
 Avdeev, Román 234  
 Aveiro, Ana 284  
 Averyanova, Oksana 139, 194  
 Ávila, Marcos 73  
 Aviles, Marcelino 295  
 Awal, A S M 157  
 Awan, Haroon 88  
 Ayala, Miriam 240  
 Aygit, Ebru 195  
 Ay, Gulden 209, 217  
 Ayhan, Ziya 274  
 Aykas, Seckin 282  
 Ayres, Bernadete 103  
 Ayton, Lauren 82  
 Ayyildiz, Onder 194  
 Azaar, Dimitri 65, 125, 126  
 Azad, Rajvardhan 64, 119, 147  
 Azarmina, Mohsen 278, 280  
 Aziz, Kanza 210  
 Aznauryan, Erik 195, 200  
 Aznauryan, Igor 195, 200  
 Azocar, Verónica 164  
 Azuara, Carlos 158, 196, 236, 279

## B

Babayán, Alejandro 67, 112, 148, 219, 220, 270, 271  
 Babu, Arvind 276, 283  
 Baca, Óscar 112, 148, 173, 219, 220, 271  
 Bacherini, Daniela 254  
 Badaró, Emerson 112  
 Badillo, Mariana 236  
 Bae, Hyoung Won 240  
 Baek, Ji Won 217  
 Bae, So Hyun 285  
 Baez, Emilio 176  
 Bagnis, Alessandro 236  
 Bahrawy, Mohamed El 156, 195  
 Baikoff, Georges 184  
 Bailly, Maryse 108  
 Baird, Paul 183  
 Baiyeroju, Aderonke 157  
 Balaggan, Kam 281, 283

Balaji, Kowsalya 244  
 Balakrishnan, Narayanan 221, 269, 276, 277, 283  
 Balasanyan, Victoria 195, 200  
 Balcells, Rosa 63, 76, 184  
 Baldeschi, Lelio 66, 135  
 Balekudaru, Shantha 188, 232  
 Ball, Sharon 262  
 Balta, Burcu 279  
 Banaie, Shahram 279  
 Bandello, Francesco 130, 136, 156, 189, 200  
 Banitt, Michael 147, 225  
 Banker, Alay 112  
 Bannur, Zakaria 236  
 Bansal, Jai 110, 272  
 Bansal, Reema 199, 200  
 Bansal, Tripti 110, 272  
 Baquero, Pablo 247, 270  
 Baqués, Elizabeth 158, 291, 292  
 Barabini, Lidia 194  
 Barajas, Héctor 226  
 Barak, Adiel 276  
 Barbarini, Lucieni 251, 262  
 Barış, Mine 282  
 Barky, Ahmed El 267  
 Barragán, Andrea 157, 194  
 Barragán, Enrique 110  
 Barraquer, Rafael 77, 110, 159, 172, 176, 179, 189  
 Barrera, Rodrigo 109, 223, 243, 255, 289  
 Barria, Fernando 80, 132, 142, 143, 164, 250  
 Barrientos, Tonatiuh 294  
 Barry, Brendan 225  
 Barry, Peter 144  
 Barteselli, Giulio 276  
 Barton, Keith 66, 148  
 Basak, Samar 102, 150, 177, 201  
 Bascaran, Covadonga 197  
 Basinsky, Alexander 234  
 Bassett, Kenneth 197  
 Basu, Karen 160  
 Basu, Sayan 63, 129, 166, 176, 182  
 Bata, Abdulgaffur 233  
 Bateman, J. Bronwyn 174  
 Battle, Juan 77, 108, 132, 143, 165, 217, 232, 238  
 Batteredbury, Mark 209  
 Baumann, Bernhard 186  
 Baumgarten, Gabriela 246  
 Bautista, Nazario 295  
 Bautista, Victor 113, 219  
 Bayar, Sezin 286, 287  
 Bayati, Safwan Al 272  
 Baydoun, Lamis 102, 155, 156  
 Baykara, Mehmet 231  
 Bayoumi, Boshra El 174, 182  
 Bazan, Nicholas G. 73  
 Beatty, Stephen 73  
 Beaujon, Óscar 145, 146  
 Beauregard, Ana María 152, 179  
 Becerra, Miriam 221, 223, 241, 242, 245, 246,



- 267, 268, 283
- Bedolla, Martín 219
- Behrens, Ashley 121
- Beiko, George 62, 101, 121, 151, 153, 166, 213, 238
- Bekerman, Jesica 155, 159
- Bekibele, Charles 243
- Belalcázar, Sandra 83, 139
- Belfort, Rubens 76, 80, 94, 112, 122, 187
- Belfort, Rubens Neto 74, 185
- Belin, Michael 65, 67, 145, 166
- Bella, Assumpta Lucienne 197
- Bella, Javier García 294
- Bellucci, Roberto 62, 65, 84, 92, 120, 121, 146
- Beltaief, Omar 184, 214
- Beltrán, Francisco 84, 103, 136, 218, 256
- Belyi, Iurii 274
- Benachour, Basma 269
- Bengoa, Álvaro 106
- Benitez, José 77
- Bera, Sumanta 221
- Berganza, Jorge 286
- Berganza, Lucrecia 194
- Berlin, Michael 240
- Bermúdez, Berenice 219, 225
- Bermúdez, J. Antonio 96
- Bernal, Andrés 225
- Bernal, Zaira 254
- Bernstein, Audrey 147
- Berrocal, Audina 68, 77, 87, 134, 139, 165, 199, 200
- Berrocal, María 68, 105, 107, 112, 123, 134, 173, 186
- Berrosi, Rubén 214, 224
- Bertelmann, Thomas 274
- Berumen, Gabriela 239
- Bezuntea, Jaione 109
- Bhagat, Neelakshi 194
- Bhandary, Sulatha 212, 228
- Bhargava, Archana 209
- Bhartiya, Shibal 232
- Bhattacharjee, Harsha 113, 201, 256
- Bhattacharjee, Kasturi 129, 171, 201, 256
- Bhende, Pramod 157, 221, 278
- Bhola, Ronnie 123
- Bhoutekar, Priti 111
- Bhuiyan, Bazlul Bari 263
- Bhuyan, Dipak 214, 215, 221, 243
- Bielecka, Anna 222
- Bikbova, Guzel 193
- Bikbov, Mukharram 159, 193
- Binenbaum, Gil 157
- Bird, Jillia 132
- Biro, Zsolt 101, 211
- Birt, Catherine 95
- Bischoff, Gudrun 133, 140
- Biswas, Jyotirmay 111, 253, 259
- Bitrian, Elena 107
- Bittencourt, Zelia 243
- B, John Samuel 256, 259
- Blaess, Guido 109, 288
- Blanco, Julio 262
- Blanco, Óscar 216
- Blaydon, Sean 95
- Blyum, Alena 234
- Bobadilla, Yasha 196, 253, 292, 293
- Bobrova, Nadezhda 251
- Bodaghi, Bahram 124, 168
- Bodduluri, Sri Gautham 229, 233, 241, 269, 276, 277
- Boer, Johannes De 248
- Boiko, Ernest 80
- Boland, Michael 89
- Bolaños, Rodrigo 223
- Bonafonte, Sergio 94
- Borras, Terete 183
- Bosch, Vanessa 93, 95, 143, 152, 175, 249, 268
- Botabekova, Tursungul 279
- Boullosa, Victor 102, 225
- Bourne, Rupert 140, 141, 180, 181, 199
- Bowman, Richard 99
- Boyer, David 155, 197
- Bradford, Cynthia 183
- Bradshaw, Teresa 183
- Braganza, Andrew 152, 237
- Braithwaite, Tasanee 199
- Brandaris, Tania 146
- Brandhuber, Ulrich 265
- Bravo, Juan Carlos 192
- Bravo, Pedro 125
- Bravo, Sofia 275
- Bravo, Vasco 254
- Brechtel, Margot 233, 237
- Brelen, Marten 69, 74, 82
- Brennan, Michael 183
- Brent, Michael 177
- Bretana, Maru 103
- Breyer, Detlev 155, 194, 195, 210, 211, 219
- Brezhnev, Andrei 234
- Briscoe, Daniel 63, 123, 131
- Brittain, Christopher 154
- Bronskaya, Anastasiya 211
- Brown, David 87, 159, 197
- Brownstein, Seymour 198
- Buckley, Edward 128
- Budak, Berna Akova 231
- Buendía, Magali 137
- Bueno, Juan M 295
- Buentello, Beatriz 110, 157, 186, 225, 285
- Burcea, Marian 223
- Burdon, Kathryn 141
- Burkat, Cat 91
- Burkhanov, Yulay 159
- Burnier, Miguel 96, 254, 256, 287
- Buznyk, Oleksiy 220



## C

- Caballero, Adriana 256, 284  
 Caballero, Carlos 64, 137, 158, 159, 173, 196  
 Cabral, Jesús 194, 195, 225, 271, 272  
 Cabral, Pablo 227, 249  
 Cabrera, Delia 123  
 Cabrera, Emmanuel 221, 222, 224, 272  
 Cabrera, René 85  
 Cáceres, Alberto 110  
 Cáceres, Antonio 111, 198, 256, 257  
 Cadena, May 242  
 Cagatay, Tulin 290  
 Caglar, Cagatay 199  
 Calan, Ozlem Guroy 280  
 Callanan, David 87  
 Callejo, Sonia 185  
 Calva, Juan 290  
 Camacho, Azyadeh 271  
 Camacho, Mariana 276  
 Camacho, Paul 214, 221, 295  
 Camacho, Paulina 219  
 Camara, Héctor 110  
 Camas, Jiny Tatiana 234, 252, 253, 266  
 Campaign, Anna 284  
 Campochario, Peter 154  
 Campos, Emilio 76, 139  
 Canastro, Mário 112, 286  
 Cankurtaran, Veysel 281  
 Cano, Miriam 164  
 Cano, René 74, 86, 93, 117, 130, 193, 196, 288  
 Canote, Renzo Godofredo 74  
 Cantero, Marco 110, 212  
 Cao, Shanshan 200  
 Capiz, Daniel 252, 293  
 Caprara, Jessica 155  
 Carbajal, Juanita 171  
 Cárdenas, Andrea 249, 250  
 Cárdenas, Jorge 278  
 Cárdenas, Luis Javier 74, 102, 241, 249, 268  
 Cárdenas, Rubén 113  
 Cárdenas, Sandra 251  
 Cardillo, José Augusto 126  
 Cardona, Carolina 267, 269, 270  
 Carius, Hans-Joachim 285  
 Carlón, Bricia 245  
 Carlton-Williams, Michelle 257  
 Carral, Carlos 214, 283  
 Carral, Irving 283  
 Carranza, Alejandro 245, 268  
 Carrasco, Arturo 262  
 Carreño, Néstor 223, 224  
 Carrera, Alejandro 262  
 Carriazo, César 65  
 Carricondo, Pedro 117  
 Carriero, Vinícius 254  
 Carrillo, Lesly 235  
 Carron, Agustín 256  
 Carter, Marissa 199  
 Carter, Pamela 231  
 Carvalho, Keila 176, 226  
 Casafina, Clémentine 228  
 Casalino, Giuseppe 200  
 Casaroli, Ricardo 86, 174  
 Casas, María de la Luz 194  
 Casella, Antonio Marcelo 112  
 Casie 113  
 Casillas, Nadia 110, 111  
 Casson, Robert 109, 142  
 Cassoux, Nathalie 144, 198  
 Castañeda, Alexander 113  
 Castañeda, Rafael 77, 132, 136, 234, 236  
 Castella, Guilherme 188  
 Castellanos, José 257  
 Castellanos, Luis 118  
 Castellanos, Rosendo 146  
 Castellanos, Yuly 221, 239  
 Castillejos, Alfredo 62, 233  
 Castillejos, Armando 234, 235, 237  
 Castillo, Ángela 214  
 Castillo, Carlos 201  
 Castillo, Francisco 264  
 Castillo, María 194  
 Castillo, Verónica 256  
 Castrejón, Roberto 251  
 Castro, Antonio Cáceres 251  
 Castro, Daniela 219  
 Castro, Ingrid 284  
 Castro, Olegario 159, 294  
 Cavalcanti, Bernardo 224  
 Cavalieri, Gabriela 254  
 Cavazos, Humberto 113, 158, 198, 201, 265, 267, 289  
 Cebeci, Zafer 275  
 Cecilio 104  
 Cedillo, Mauricio 194  
 Ceja, Julio 248, 249, 250, 275  
 Çekiç, Osman 238  
 Çeliker, Hande 288  
 Celis, Benito 86, 168, 282  
 Centurión, Virgilio 66, 144, 146, 149, 152, 165, 170, 177  
 Cepeda, Pamela 232, 247  
 Ceran, Basak Bostanci 224  
 Ceriotto, Ariel 113, 125, 128, 188, 261, 263  
 Çerman, Eren 217, 238, 239  
 Cernichiaro, Linda 249, 275, 285  
 Cervantes, Guadalupe 192, 268  
 Cervantes, Humberto 111  
 César, Nicolás 102  
 Cestari, Dean 78  
 Chacón, Carlos 85  
 Chacón, Claudia 250  
 Chacón, Óscar 175, 285  
 Chaikitmongkol, Voraporn 68  
 Chakrabarti, Arup 90, 150, 192  
 Chakravarthy, Usha 133, 154, 155, 198, 200  
 Chalberg, Thomas 177



- Chalhoub, Jean 242  
 Chalvatzis, Nikolaos 225  
 Chamo, Wallace 103  
 Chan, Carmen 87, 101, 128  
 Chandler, Simon 154  
 Chandra, Parijat 156  
 Chandwani, Geeta 230  
 Chang, David 90, 100, 121, 145, 146, 150, 155, 166, 176, 177, 192  
 Chang, Robert 75  
 Chan, Kevin 186  
 Chan, Kinpui 235  
 Chan, Paul 87  
 Chan, Poemen 108  
 Chan, R.V. Paul 75, 123, 139, 165  
 Chan, Tat Keong 89, 90  
 Chan, Thomas 290  
 Chan, Tommy CY 195  
 Chapa, Alejandra 216  
 Chapa, Ricardo 288, 290  
 Chariyeva, Guljemal 159  
 Chau, Carlos Enrique 288  
 Chaudhry, Imtiaz 263  
 Chaudhry, Tanveer 210  
 Chaudhuri, Zia 128, 135, 195, 248  
 Chávez, Diego 258  
 Chávez, Eduardo 100, 165, 166, 170, 173, 183, 192, 209, 210, 212  
 Chávez, Karla 221, 238, 248, 250  
 Chávez, Ricardo 238, 250  
 Chávez, Yolanda 221, 223, 248, 249, 250, 267, 269  
 Chayet, Arturo 110, 120, 121, 146  
 Cheja, Rashel 86, 105, 291, 294  
 Cheng, George 195  
 Chen, Ling 290  
 Chen, Rebecca 239  
 Chen, Teresa 107, 248  
 Chen, Tingjun 200  
 Chen, Wei 64, 199  
 Chen, Xue 110, 295  
 Chen, Zhuo 240  
 Cheong, Yu Jin 235  
 Chervenkoff, Jordan 220  
 Cheung, Carol 156  
 Chevez, Patricia 74, 96  
 Chew, Paul 165, 260  
 Chhablani, Jay 112, 180, 276  
 Chiang, Michael 163  
 Chiapero, Maria Susana 86  
 Chiaradia, Pablo 130  
 Chiba, Chiemi 286  
 Chidlow, Glyn 109  
 Chiu, Cheng-Jen 216  
 Chiu, Vivian 108  
 Chodosh, James 63  
 Choi, Bongjoon 270  
 Choi, Hosoon 113  
 Choi, Jaewan 62  
 Choi, Kyu-Ryong 235  
 Cho, In Hwan 278  
 Chong, Kelvin 63, 175, 182  
 Chong, Victor 69, 77  
 Choo, Chai Teck 129  
 Chopra, Kritika 250, 290  
 Chow, David 73, 156  
 Chowdhury, Tuhin 105, 218  
 Choy, Nga Kwan 237  
 Christoforidis, John 257  
 Chua, Chua 248  
 Chung, Sophia 78  
 Chung, Sung Kun 113, 217  
 Chu, Ying-Hsia 252  
 Chu, Yvonne 175  
 Chynn, Emil 110, 272  
 Ciardella, Antonio 117  
 Cibils, Diogenes 256  
 Ciblis, Pablo 164  
 Cideciyan, Artur 200  
 Cid, Marco 149, 215, 225  
 Cilliers, Helena 201, 288  
 Cimbaldas, Andrius 244  
 Cinar, Esat 158, 233  
 Cinco, Ariana 221, 248, 249, 250, 267  
 Cintra, Murilo 258  
 Ciralsky, Jessica 145, 183  
 Cisneros, Sonia 245, 269, 274  
 Ciulla, Thomas 159  
 Clark, Lloyd 155, 197  
 Clark, Thomas 231  
 Claros-Bernal, José 215  
 Claros-Bustamante, José 215  
 Claros, José Antonio 173  
 Cochener, Beatrice 65, 84, 92, 129, 135, 166  
 Cochereau, Isabelle 113  
 Cohen, Ali 231  
 Cohn, Geoffrey 152  
 Colenbrander, August 119, 132, 243  
 Collin, Richard 258  
 Colombo, Fernando 135, 175, 184  
 Conca, Walter 244  
 Concha, Luz Elena 80, 86, 100, 105, 122, 168, 188, 291, 292, 294  
 Congdon, Nathan 80, 119, 131, 138  
 Conte, Francisco 250  
 Contreras, Carlos 223  
 Cooper, Terry 228  
 Cordeiro, M. Francesca 179  
 Cordova, Maclovio 201  
 Corona, Jorge 63, 135, 184  
 Corona, Román 292  
 Corrales, María 109  
 Correa, Zelia 79, 96, 183  
 Corredor, Sonia 256  
 Corsino, Pedro 134  
 Cortés, Claudia 235  
 Cortés, Dennis 153, 166, 190, 249



- Cortés, José Antonio 244  
 Cortés, Saúl 219, 221, 274, 275  
 Cortés, Vianney 75, 109, 230, 242  
 Cortéz, Ana 251  
 Cortéz, Rafael 117  
 Cortina, María 103, 149, 198  
 Corvolan, Javier 143, 164  
 Coss, Lauro 245, 246, 255  
 Costa, María 190, 222  
 Costa, Vital 134  
 Couceiro, Rita 286  
 Coupland, Sarah 92, 122, 123, 131, 165, 171, 187, 198  
 Craig, Jamie 140  
 Crandall, Alan 100, 144, 171, 177  
 Craven, Randy 257  
 Crichton, Andrew 95  
 Crispim, Joao 103  
 Crommelynck, Isabelle 258  
 Cruz, Alejandro 210, 215  
 Cruz, Antonio Augusto 171, 258  
 Cruz, Héctor 242  
 Cruz, Lucero 241, 242  
 Cubria, Pilar 266  
 Cueto, José Miguel 267  
 Cuevas, Arturo 255  
 Cuevas, Miguel 158  
 Cuiña, Ricardo 77  
 Culbertson, Buddy 146  
 Culbertson, William 90, 144, 183  
 Curiel, Juan 103  
 Cutolo, Carlo Alberto 236  
 Cwalina, Lukasz 213  
 Czubkowski, Ksawery 293, 294
- D**
- Dababo, Mohammed 244  
 Dabov, Simeon 295  
 Dąbrowska, Anna 222  
 Dadeya, Subhash 269  
 Daguman, Ian 244  
 Dagvadorj, Dovchinjams 108  
 Dai, Shuan 64, 157  
 Dalli, Roberto 158  
 Dalma, Alejandro 170, 173  
 Dalma, José 64, 80, 81, 117  
 Damani, Alisha 281  
 Damato, Bertil 92, 99, 141, 198  
 Dam, Roberto 146  
 Dandapani, Ramamurthy 100, 166, 189, 201  
 Dang, Harry 290  
 Dang, Mirian 226  
 Dantas, Paulo 83, 120, 176  
 Das, Dipankar 256  
 Das, Jayanta 247, 264  
 Daskivich, Lauren 175  
 Das, Manoranjan 198
- Das, Sujata 105, 149  
 Dastiridou, Anna 108  
 Date-Valvekar, Purva 286  
 Daveckaite, Akvile 235  
 Davey, Clare 99, 228  
 Dávila, Jaime 158, 192, 196, 236, 279  
 Dávila, Jesús 270  
 Dávila, Pedro 256  
 Davis, Janet 74, 198  
 Daya, Sheraz 62, 101, 146, 198  
 De Alba, Alejandra 156, 157, 266  
 De Alba, Manuel 157, 158, 192, 196, 236, 279  
 Deb, Bhumika 221  
 De Dios, Ulises 259  
 De Faber, Jan Tjeerd 91, 93, 163  
 De Freitas, Denise 67  
 Dehghan, Mohammad Hossein 280  
 Deka, Satyen 112, 160  
 De Keizer, Rob 261  
 Dekinish, Ahmed Fouad 260  
 De La Cruz, José 103, 125, 126, 149, 198  
 De la Fuente, Marco Antonio 190, 192  
 De la O, José 158  
 De La Parra, Paola 225  
 De la Peña, William 170  
 De La Torre, Alejandra 88, 122  
 De la Torre, Mario 103  
 De La Torre, Patricia 289  
 De la Torre, Rosa Elena 152, 180  
 De León, Silvana 227, 246, 249, 283  
 Delgado, Roberto 245, 255, 264  
 Delgado, Sarai 112  
 Delhiwala, Kushal 278  
 Del Monte, Monte 270  
 De Los Ríos, Diana 233  
 Del Razo, Óscar 225  
 Del Río, Daniela 249, 269  
 Deluna, Regina 248  
 Demer, Joséph 195  
 Demircan, Nihal 230  
 Demirel, Sibel 275  
 Demir, Emre 199  
 Demirtas, Omur 230  
 De Moraes, C. Gustavo 78, 125  
 Deng, Hongwei 266  
 Deryapa, Irina 288  
 Desai, Devanshi 224  
 Desai, Manishi 75  
 Desai, Ranjana 224  
 Desai, Sabrina Shah 95  
 Desai, Sanjiv 190, 224  
 Deshmukh, Sujit 160, 190  
 Deshpande, Neha 158  
 Deshpande, Sarita 237  
 Deshpande, Sulabha 158  
 Desjardins, Laurence 144, 187, 198  
 Devarajan, Bharanidharan 156, 201  
 Devi, Rajani 212, 228



De Wit, Guillermo 66, 136, 183, 188, 221, 223  
 Dhaliwal, Deepinder 90, 133, 144  
 Dhaliwal, eepinder 100  
 Dhull, Chand 236  
 Diab, Mohamed 159, 193  
 Díaz, Ana 157, 247, 290  
 Díaz, César 262  
 Díaz, José Ezequiel 282  
 Díaz, Maricarmen 216  
 Díaz, Mildred 113, 255  
 Díaz, Teresa 279  
 Dick, Karla Van 195, 290, 292  
 Dietzel, Alexander 286  
 Diez, Gian Franco 109  
 Dimitrakos, Stavros 225  
 Ding, Beiyang 154  
 Ding, Juan 218  
 Dirisamer, Martín 155, 156  
 Ditzgen, Klaus 270  
 Dixon, Sandra 157, 168, 232, 233  
 Doan, Serge 113  
 Dogar, Mohammed 244  
 Dolman, Peter 66, 135, 175  
 Dolmetsch, Ángela 125  
 Domene, Jorge 101, 173  
 Domínguez, Elizabeth 285  
 Domínguez, Francisca 239, 240  
 Donaldson, Kendall 289  
 Dong, Ying Lucia 235, 287, 294  
 Donoso, Larry 280  
 Dorado, Tamara 244  
 Dorairajan, Ramesh 213  
 Dorairaj, Cyril 89, 137  
 Dorecka, Mariola 216  
 Dorofeev, Dmitrii 234  
 Dovzhuk, Tetyana 110  
 Drago, Filippo 97  
 Drew, Mary 281, 283  
 Drexler, Wolfgang 186, 187  
 Dua, Harminder 63, 188  
 Dubovy, Sander 165, 171  
 Dueñas, Karla 157  
 Dueñas, Marlon 213  
 Duerksen, Rainald 143  
 Dumitrescu-Dragan, Alexandra 287  
 Durand, Itzel 221, 245, 255, 264, 268  
 Durmus, Mustafa 199  
 Duru, Adil Deniz 238  
 Durukan, Ali 194, 230  
 Du, Shu 229  
 Dvashi, Zeev 112, 281  
 Dyrda, Agnieszka 196

## E

Eagle, Ralph 123  
 Eatamadi, Habib 171  
 Eberhart, Charles 123, 165, 171  
 Eckert, Kristen 199  
 Edmond, Jane 128  
 Edward, Deepak 257  
 Egriparmak, Merih 168  
 Eguchi, Hiroshi 126  
 Eid Farah, Michel 112  
 El ashry, Mohamed 112  
 Eldem, Mehmet 68, 283  
 Elder, James 64  
 Elfandi, Sufian 200  
 El Fekih, Lamia 269  
 El Fitouri, Suad 178  
 Elgohary, Mostafa 154, 287, 294  
 El Hage, Sami 139, 193  
 Elizondo, Juan 292  
 Elkhamary, Sahar 258, 261  
 Elksnis, Eriks 285  
 Elling, Matthias 193  
 Ellis, Scott 154  
 Ells, Anna 163  
 Elmansoury, Jeylan 250, 267  
 Elmassry, Ahmed 63, 66, 67  
 El Rayes, Ehab 82, 153, 186  
 Eltutar, Kadir 213, 222, 291  
 Emanuelli, Andrés 256  
 Emeriewen, Krisztina 111, 159  
 Emilienne, Epee 252  
 Emmanuel Cabrera 221  
 Encampira, Erick 111  
 Engelbert, Michael 79, 180  
 Eng, Enrique 73  
 Enríquez, Ana Beatriz 278  
 Enríquez, Arturo 284  
 Entezari, Morteza 279, 283, 291  
 Epee, Emilienne 197  
 Epstein, Daniel 78  
 Eraslan, Muhsin 217, 238, 239  
 Ercan, Zeynep 286, 287  
 Erdem, Elif 220  
 Erdurman, Cuneyt 194, 230  
 Erdurmus, Mesut 282  
 Eremeeva, Ekaterina 282  
 Eric, Gabison 113  
 Ersoz, Reha 220  
 Escaf, Luis 149, 165, 171  
 Escalante, María 293  
 Escalante, Mariana 157, 212, 238  
 Escalona, Ana 196, 252  
 Escanio, Manuel 101, 247  
 Escudero, Adrián 210  
 Ecurra, Enrique 224  
 Esen, Ebru 230  
 Esfandiary, Hamed 200





Eskina, Erika 233  
 Eslah, Esmail 170  
 Esmaeli, Bitá 61, 74, 81, 99  
 Espailat, Arnaldo 165, 171  
 Espino, Angelina 78, 235  
 Espinosa, Arturo 85, 86  
 Espinosa, Itzel 137, 168, 273, 282, 284  
 Espinosa, Marcela 198  
 Espinoza, Cynthia 86  
 Espinoza, Judith 157  
 Espinoza, Rosario 143  
 Esquivel, Jesús 222  
 Estrada, Carlos 253  
 Etulain, Alejandra 266  
 Evans, Teodoro 180  
 Ewete, Temitope 242

## F

Fabre, Ana Karina 275  
 Facsko, Andrea 287  
 Fahed, Akl 242  
 Faia, Lisa 168  
 Faingold, Dana 254  
 Fajardo, Julia 288  
 Falavarjani, Khalil Ghasemi 278  
 Falera, Ruchita 198  
 Falkner-Radler, Christiane 117  
 Fanton, Giordano 199, 229, 255  
 Fan, Xianqun 76, 129, 263  
 Fares, Lucas 86  
 Faria, Mun 112  
 Farid, Mohamed 267  
 Fariña, Norma 256  
 Farsiu, Sina 156  
 Farzavandi, Sonal 69, 150  
 Fasina, Oluyemi 263  
 Fattah, Maaly Abdel 250, 267  
 Favuzza, Eleonora 155  
 Fawzi, Amani 69  
 Fayyad, Faisal 130  
 Fechin, Oleg 212  
 Federman, Jay 280  
 Fekih, Olfa 250, 289  
 Feldmann, Robert 184  
 Feltgen, Nicolás 160  
 Feng, Danli 265  
 Ferdausi, Nahid 195, 197, 228  
 Fernandes, Luciene 151  
 Fernández, Ángela 132  
 Fernández, Ángela María 93  
 Fernández, Irma 291  
 Fernández, José 272  
 Fernández, José Cristobal 152  
 Fernández, José Ignacio 214  
 Fernández, Leonardo 128  
 Fernández, Lourdes 110, 212, 231  
 Fernández, Luis 156  
 Fernández, Marissa 265  
 Fernández, Martín César 265  
 Fernández, Nicolás 155, 176  
 Fernández, Óscar 112, 148, 219, 220, 270, 271  
 Fernández, Patricia 109  
 Ferrara, Daniela 165  
 Ferrara, Paulo 65  
 Ferraro, Dalia 265  
 Ferreira, Alberto 285  
 Ferreira, Ivo 209, 210  
 Ferreira, Nuno 112  
 Fesyunova, Galina 257  
 Fidalgo, Álvaro 240  
 Fielder, Alistair 64, 157  
 Figueroa, Blanca 228  
 Filipe, Helena 142, 147, 156, 228  
 Finger, Paul 141  
 Finzi, Simone 183  
 Fischer, Dagmar 241  
 Flores, Elsa 194, 265  
 Flores, Guillermo 288  
 Flores, Luis 157  
 Flores, Mariana 245, 278  
 Flores, Martín 168  
 Flores, Melissa 262  
 Flores, Pavel 233, 276  
 Flores, Vanessa 86, 174, 289  
 Fonte, Anselmo 86  
 Forlini, Césare 76, 80, 90  
 Fortes, João 163  
 Franceschetti, Albert 127, 140  
 Francis, Brian 108  
 Francis, Jasmine 76  
 Franco, Alejandro 214  
 Franco, Celine 274  
 Franco, Edgar 293  
 Franco, Valentina 76, 86  
 Fraser-Bell, Samantha 284  
 Freitag, Suzanne 258  
 Freitas, Denise De 67, 120  
 Freitas, Rita 285  
 Friedman, David 89, 122, 124, 170, 181  
 Fromow, Jans 77, 79, 97, 183, 227, 288  
 Fromow, Mildred 174, 179, 243  
 Fuentes, German 220  
 Fuentes, Martha Cinthia 294  
 Fujii, Akane 277  
 Fujimoto, Masahiro 274  
 Fujinami, Kaoru 275, 277  
 Fukuchi, Takeo 281  
 Fukuda, Masahiko 126, 216  
 Fukui, Masaki 235  
 Fulas, Gizaw 226  
 Fulcher, Samuel 113  
 Fulda, Emiliano 124, 249, 252, 253  
 Fung, Anne 160



## G

- Gabela, Cristina 83  
 Gabela, Gregorio 64, 81  
 Gabel, Cordula 178  
 Gabel, Peter 82, 178  
 Gabriel, José 268  
 Gaikwad, Namrata 111, 156, 201, 256, 259, 264  
 Galán, María Marta 157  
 Galarza, Pablo 109  
 Galecka, Monika Lazicka 238, 239  
 Galecki, Tomasz 238, 239, 293  
 Galicia, Janet 157, 253  
 Galicia, Jorge 226  
 Galindo, Alicia 106, 258  
 Gallego, Roberto 79, 165, 196  
 Gallegos, Martín 94, 200, 201  
 Gallo, Juan 97  
 Galor, Anat 218  
 Galvis, Diana 247  
 Galvis, Virgilio 109, 213, 214, 216, 221, 223, 224, 243, 255, 289, 295  
 Gamaly, Tamer 194  
 Gambini, Juan 227, 249, 283  
 Gamio, Susana 69  
 Gandhi, Nikhil 244  
 Gandhi, Rashmin 87, 101, 138, 166  
 Ganem, Catherine 84, 127  
 Ganesh, Sri 158, 250  
 Gangwani, Rita 290  
 Gaponko, Olesya 234  
 Garcés, Ángela 236  
 García-Aguirre, Gerardo 77, 225, 230, 249  
 García, Alfonso 157, 235  
 García, Alfredo 109, 117  
 García, Álvaro 251  
 García, Ana 242, 272  
 García, Daniel 223  
 García, Daniela 110  
 García, David 219  
 García, Denisse 113, 258  
 García, Gerardo 93, 194  
 García, Graciela 144  
 García, Guillermo 111, 272  
 García-Guzmán, Gerardo 244  
 García, Horacio 268  
 García, Javier 214  
 García, Jorge 196, 277, 284  
 García, José 82, 136  
 García, José Eduardo 157  
 García, Julián 214  
 García, Karla Paola 112, 218, 219, 221, 225  
 García, Laura 109  
 García, Leonardo 209, 215  
 García, Lissete 237, 256  
 García, Lucila 261  
 García, Magdalena 108, 212, 234, 236, 237, 238, 239  
 García, Manuel 109, 212  
 García, María 232, 236, 238  
 García, Patricia 262  
 García, Renata 86, 180, 242, 253, 276, 277, 278, 279, 280, 291  
 García, Santiago 128, 132, 173, 215  
 García, Yukie 113  
 Garfami, Kiumars Heidari 280  
 Garg, Poorvi 217  
 Garg, Prashant 67, 107, 149, 164, 181  
 Garhöfer, Gerhard 186  
 Garkavenko, Victor 234  
 Garlaite, Ona 199, 229, 255  
 Garnica, Lilia 255, 257  
 Garrity, James 264  
 Garway, David 145, 170  
 Garza, Idania 267  
 Garza, Manuel 85, 86, 152, 214, 216, 225, 249, 251, 272  
 Garza, Mario Alberto 201  
 Garza, Patricia 284  
 Garza, Vicente 158  
 Garzón, Marisol 173, 210, 212, 215  
 Gaspar, Beata 211  
 Gasparetto, María Elisabete 243  
 Gauba, Vinod 95, 120  
 Gavin, Michael 276  
 Gaytán, Javier 110, 151  
 Gazizova, Ilmira 234  
 Gedik-Oğuz, Yeşim 292  
 Gedik, Sansal 87  
 Gekeler, Florian 109, 288  
 Geller, Scott 197  
 George, Amala 188, 291  
 George, Ronnie 232  
 Gerber-Hollbach, Nadine 155  
 Gerber, Nadine 155, 156  
 Gerber, Willem 257  
 Gerl, Matthias 155, 210  
 Gerl, Ralf 155, 210  
 Ghadiri, Nima 241  
 Ghahari, Elham 200  
 Ghannam, Alaa Bou 242  
 Ghashut, Rima 274  
 Gil, Alberto 158, 273  
 Gilbert, Steven 198  
 Gilbert, Clare 103  
 Gilbert, María Eugenia 238, 239  
 Gilbert, Suzanne 127, 164, 197  
 Gil, Félix 66, 103, 148, 179, 180, 222  
 Gil, María Carmen 145  
 Gines, Juan Carlos 139, 147, 164  
 Giorgi, Luz 157, 232  
 Giraldo, German 110  
 Giron, Jeheen 260  
 Gittins, Luis 246, 247, 275  
 G, Junjing 272  
 Glass, Lora Dagi 258  
 Gnanadurai, Samuel 269



- Gobbis, Mara 243  
 Godts, Daisy 91  
 Goel, Neha 249, 292  
 Goel, Sugandha 249  
 Goff, Mitchell 155  
 Gogate, Parikshit 133, 195, 201  
 Gokyigit, Birsen 195  
 Goldberg, Robert 120, 129, 135, 175  
 Goldschmidt, Pablo 99  
 Goldsmith, Mauro 85  
 Goldstein, Debra A. 88, 122  
 Golnik, Karl 79, 89, 96, 97, 119, 127, 128, 131, 144, 159, 164, 185, 186, 200  
 Gomes, André 105  
 Gómez, Fernando 181, 188  
 Gómez, Larissa 157  
 Gómez, Liliana 219  
 Gómez, Luis David 218  
 Gómez, María 273  
 Gómez, Miriam 158  
 Gómez, Pedro 132, 142, 169  
 Gómez, Rosario 69, 73  
 Gómez, Thamar 87, 106, 130, 179  
 Gomi, Fumi 68, 278  
 Goncu, Tugba 233  
 González, Ana 245, 246, 255, 283  
 González, Césareo 194  
 González, Cristina 173, 247, 248, 290  
 González, David 102  
 González, Diana 270  
 González, Erandi 86, 293, 295  
 González, Fátima 293  
 González, Germán 201  
 González, Graciela 219, 246, 267, 268  
 González, Irene 130  
 González, Javier 273  
 González, Jesús 73, 113, 157, 158, 192, 196, 226, 236, 267, 279  
 González, María 194  
 González, Martha Paulina 271  
 González, Martín 260, 262  
 González, Nilsa 256  
 González, Pamela 131, 212, 232, 242  
 González, Pedro Iván 130  
 González, Pedro Mario 235  
 González, Sara 194  
 González, Teresa 158, 292  
 González, Victor 94, 160, 168  
 González, Victoria 214, 249, 283, 285, 289  
 Gorby, María 132  
 Gordillo, Luz 103, 163  
 Gordon, Lynn 78, 101  
 Götze, Aline 241  
 Goud, Abhilash 276  
 Grabska, Iwona 244  
 Grajewski, Alana 107  
 Grane, Natalia Vila 254, 256  
 Grant, Michael 76  
 Grau, Arturo 153  
 Graue, Enrique L. 128  
 Graue, Federico 64, 110, 130, 173, 196, 255  
 Graue, Gerardo 74, 83, 105, 185  
 Graue-Hernández, Enrique 66, 83, 99, 107, 111, 112, 120, 126, 129, 151, 156, 169, 190, 193, 195, 196, 199, 205, 218, 222, 223, 225, 232, 251, 271, 272  
 Green, Catherine 79, 183  
 Greenwald, Yoel 112  
 Grees, Susana 194  
 Gregori, Ninel 177  
 Grehn, Franz 65  
 Grieshaber, Matthias 108  
 Griffith, Gina 218  
 Griffith, May 220  
 Groot, Veva De 261  
 Grossniklaus, Hans 123, 165, 171, 187  
 Grover, Ashok 129, 135  
 Grover, Davinder 148  
 Grubnyk, Natalia 231  
 Grupcheva, Christina 222, 231  
 Grupchev, Dimitar 231  
 Grzybowski, Andrzej 62, 127, 138, 151, 176, 189  
 Guadarrama, Dalia 210, 255  
 Guerrero, Caroline 259, 260  
 Guerrero, José Luis 117, 285  
 Guerrero, Óscar 66, 109, 110, 152, 241  
 Guevara, Rosangela 265  
 Guido, Marilu 265, 266  
 Guillermo De Wit 221  
 Guinto, Ethel 291  
 Gülkaş, Samet 238, 288  
 Gulpamuk, Bayram 281  
 Gunduz, Omur Ucakhan 178  
 Gune, Shamika 160  
 Guo, Junjing 110  
 Guo, Rong 248  
 Gupta, Amod 199, 200  
 Gupta, Divya 286  
 Gupta, Neeru 65, 94, 122, 126, 131, 138, 179, 181  
 Gupta, Sumit 230  
 Gupta, Ved 113  
 Gupta, Vishali Sara 199, 200  
 Gurbaxani, Avinash 196, 291  
 Gurkan, Sedat 213  
 Gurnier, Miguel 254  
 Gurría, Lulú Ululani 153, 193, 232  
 Guruvayoorappan, K 156  
 Gusarevitch, Anna 234  
 Gusev, Georgiy 263  
 Gushchina, Marina 257  
 Guthoff, Rudolf 145, 241  
 Gutiérrez, Álvaro 109, 255  
 Gutiérrez, Ángela 118  
 Gutiérrez, José 157, 194  
 Gutiérrez, Mario 252



Guven, Soner 194, 230  
 Guzmán, Flor Daniela 215, 249  
 Guzmán, Martín 260  
 Guzmán, Pablo 109, 159, 210, 259, 262, 290  
 Guzmán, Shameli 271  
 Gyetvai, Tamas 287

## H

Haber, Alberto 166, 190, 243  
 Haider, Golam 194, 258, 259  
 Hajnalka, Ábrahám 211  
 Hajrasouliha, Amir 110  
 Haller, Julia 280  
 Hamam, Mohamed 242  
 Hamam, Rola 186, 242, 292  
 Hamdi, Momen 239  
 Hammond, Chris 75, 186  
 Hamsho, Jesús Mohamed 113, 158, 196, 198, 201,  
 226, 236, 265, 267, 279, 289

Hamuryudan, Vedat 290  
 Hanafiah, Hazlenah 233  
 Hanafiah, Mohammad 233  
 Hanein, Yael 276  
 Han, Kyung-Eun 235  
 Hannush, Sadeer 62, 101, 102, 150  
 Han, Sang Youp 155  
 Hanson, Carrie 280  
 Hanumantharayappa, Kishore 229  
 Hanumunthadu, Daren 283  
 Harasymowycz, Paul 94  
 Hård, Anna-Lena 157  
 Hardeman, Whitney 245  
 Hari-Kovacs, Andras 287  
 Haritoglou, Christos 265  
 Haro, Cindy 221, 244, 248, 249, 267, 270  
 Harouch, Merieme 184  
 Harper, Richard 147  
 Harriman, Ayodele 241  
 Harris, Alon 235  
 Harrop, Richard 154  
 Hartleben, Curt 134, 157, 179, 184, 232  
 Hart, Stephen L. 234  
 Hasanov, Jamil 234  
 Hasan, Shahnoor 227  
 Hasebe, Hiruma 281  
 Ha, Seung Joo 233  
 Hashizume, Kouhei 285, 286  
 Hashmi, Farzeen 281  
 Haskova, Zdenka 160  
 Hassan, Adekunle 241, 287  
 Hassan, Mustapha 227  
 Hassan, Tarek 68, 83  
 Hassouna, Abdallah 97  
 Hatanaka, Marcelo 184  
 Haueisen, Jens 286  
 Hauser, Michael 74, 186  
 Hawkes, Elizabeth 220

Hazarika, Himanto 214, 215, 221, 243  
 Hazarika, Suranjana 221, 243  
 Hedges III, Thomas 154  
 Hedges, Thomas 154  
 Heegaard, Steffen 74, 92, 122, 123, 131, 165  
 Hegazy, Doaa 264  
 Hehn, Frederic 110  
 Heier, Jeffrey 197  
 Helles, Gaelle 197  
 Hellström, Ann 157, 163  
 Helmi, Adel 254  
 Helmi, Hadeel 254  
 He, Mingguang 95, 130, 170  
 He, Ming-Shan 291  
 Henaine, Andrée 275, 276, 286, 288, 290  
 Henríquez, Giovanna 156  
 Henríquez, María 65, 112, 155, 156  
 Henry, Erin C. 154  
 Heras, Rosalia 192  
 Heras, Rosalía 104  
 Hernández, Alejandra 108, 234, 238  
 Hernández, Ángeles 277, 282, 284  
 Hernández, Arturo 231  
 Hernández-Ayuso, Ivette 251  
 Hernández, Claudia 94  
 Hernández, Daniela 267  
 Hernández, Enrique Graue- 199  
 Hernández, Erick 193, 222  
 Hernández, Everardo 65, 78, 127, 129, 136, 173,  
 181, 190, 193, 218, 221, 222,  
 224, 225  
 Hernández, Hebert Luis 151  
 Hernández, Ivette 96, 111, 198, 256, 257  
 Hernández, Joaquín 255, 257, 260, 264  
 Hernández, Jorge 145, 146  
 Hernández, José 235  
 Hernández, Julio 62, 67, 199, 220, 273  
 Hernández, Karen 225  
 Hernández, Leonor 174, 190, 255, 289  
 Hernández, Marco 244  
 Hernández, María 109, 242, 268  
 Hernández, Mónica 275  
 Hernández, Sergio 174  
 Hernández, Sergio C. 196, 199  
 Hernández, Silvia 289  
 Hernández, Tzilacatzin 94, 267, 270  
 Hernández, Ximena 216  
 Herndon, León 89  
 Herrero, Sergio 110, 229, 270  
 Herrmann, Alyssa 113  
 Hidalgo, Cristina 76, 184  
 Hideki Koizumi 155  
 Higashide, Tomomi 274  
 Hildebrand, P. Lloyd 119  
 Hill, Lauren 155  
 Hill, Warren 101, 144, 145, 146  
 Hindi, Hindi Al 244  
 Hinton, David 108



- Hintschich, Christoph 67, 68  
Hipsley, Annmarie 295  
Hipsley, Ann Marie 159  
Hirai, Flavio 228  
Hirakata, Akito 112  
Hiraoka, Takahiro 139  
Hirasawa, Kazunori 234  
Hirmeiss, Christoph 213  
Hisaya Arakawa 155  
Hjortdal, Jesper 272  
Hlushniou, Ihar 211, 234  
Hmeied, Wassim 269  
Hocaoglu, Mumin 278  
Hoffman, Enriqueta 93  
Hofling, Ana Luisa 99, 120, 139  
Hofmann, Enriqueta 247  
Hogg, Ruth 198  
Holland, Simon 110, 193, 273  
Holmes, Jonathan 91, 128  
Holstein, Sarah von 131  
Holzer, Mike 270  
Holz, Frank 159, 160  
Homberg von Thaden, Toni 100  
Honavar, Santosh 63, 74, 89, 107, 118, 138, 166  
Honerlage, Omar 228  
Hong, Kyung 113, 217, 260  
Hopkins, Adrian 118  
Hopkins, J. 154  
Horney, Deborah 220  
Horwood, Anna 135  
Hosny, Mohamed 271  
Hossain, Mohammad 195  
Hotta, Yoshihiro 186  
Hrafsheh, Shadi Al 264  
Hsieh, Tsung-Cheng 291  
Huang, Alex 108  
Huang, David 69, 97, 186, 187  
Huang, Lina 257  
Huerta, Irma 227  
Huerta, Jared 253  
Hu, Feng 286  
Humayun, Mark 82, 126  
Hurtado, Romina Baldivieso 244  
Hussain, Ahm Enayet 195, 197, 228  
Hutchinson, José 268  
Hwang, Jeong-Min 246, 268  
Hwang, Yu-Yan 290
- I**
- Iablokova, Irina 157  
Iakymenko, Stanislav 220  
Ianchulev, Tsontcho 121  
Ibañez, Mariana 216  
Ibañez, Miguel 111  
Ibarra, Gabriela 247  
Ichikawa, Yoshikazu 280  
Iftekhar, Quazi 195  
Igarashi, Akihito 210  
Iida, Tomohiro 154, 155  
Iijima, Hiroyuki 284  
Ikram, Mohammad Kamran 156  
Ilginis, Tomas 283  
Ilkit, Macit 220  
Imamura, Yutaka 280  
Inal, Asli 195  
Inan, Ümit 112  
Infante, Ricardo 294  
Infantes, Edgar Javier 240  
Iniesta, Luis 196, 277, 284  
Íñiguez, Marisol 245, 249, 255, 268  
Inoue, Makoto 286  
Inoue, Yoshitsugu 126  
Inzulza, Nelson 113, 253, 260, 261, 262, 263  
Iovieno, Alfonso 153  
Iqbal, Mohamed Anjum 213, 221, 229, 241, 269, 277, 283  
Iqbal, Sameer 212, 228  
Irlé, Sebastian 274  
Irojah, Folake 241  
Isawumi, Michaeline 227, 229  
Isenberg, Sherwin 92  
Ishida, Kyoko 239  
Ishida, Masahiro 280  
Ishihara, Mami 294  
Isida, Cristina 108  
Işık, Mehmed Uğur 213  
Islam, Mohammad 220  
Islamov, Ziyavuddin 252, 253  
Islas, David 232, 247  
Islas, Gilberto 173  
Islas, Teresita De Jesús 220  
Ismail, Nur Ismaliza 233  
Itagaki, Kanako 155  
Itoh, Yuitane 286  
Ivarsen, Anders 272  
Iwahashi, Chiharu 278  
Iwata, Takeshi 186, 200  
Iyer, Geetha 253  
Izatt, Joséph 156  
Izdebska, Justyna 219  
Izquierdo, Juan Carlos 157, 238  
Izquierdo, Luis 62, 99, 107, 111, 112, 121, 126, 155, 156, 166, 170, 173, 183  
Izquierdo, María 159, 196  
Izquierdo, Natalio 75, 86, 256



## J

Jabbur, Nada 92, 129  
 Jacinto, Jorge 246  
 Jackson, Mary 182  
 Jacob, Aby 152  
 Jacobson, Samuel 200  
 Jager, Martine 97, 183  
 Jaggernath, Jyoti 201  
 Jaimes, Martha 218, 271  
 Jain, Rajesh 248  
 James, Mathew 230  
 Janaky, Marta 287  
 Jankowska-Lech, Irmira 244  
 Januleviciene, Ingrida 134, 235  
 Jaramillo, Blanca Estela 295  
 Jaramillo, James 158  
 Jaramillo, Jorge 165  
 Jaramillo, Luis 109, 214, 255  
 Jaramillo, María 158  
 Jaramillo, Yolanda 113  
 Jastrzebski, Andre 252  
 Jáuregui, Aura 258  
 Jáuregui, Ricardo 219, 221, 223, 245, 267, 268  
 Jaurrieta, Jesús 112  
 Javate, Reynaldo 61, 125, 182  
 Javed, Ammar 210  
 Jazzaf, Adel Al 178  
 Jeang, Jenn 240  
 Jelliti, Bechir 160, 287  
 Jeon, Soo Ji 217  
 Jerves, María Belén 215, 253  
 Jhanji, Vishal 63, 67, 78, 84, 149, 166, 195  
 Jia, Renbing 182  
 Jia, Yali 69  
 Jiménez, Aida 196, 199, 251  
 Jiménez-Arroyo, Jesús 157, 198, 212, 234, 237, 238, 239, 249, 292  
 Jiménez, Ignacio 223  
 Jiménez, Javier 127  
 Jiménez, Jesús 84, 108, 143  
 Jiménez, Juan Manuel 94, 169, 275, 278, 285  
 Jiménez, María C. 100, 264  
 Jiménez-Román, Jesús 77, 103, 125, 157, 178, 179, 222, 233, 234, 235, 236, 237, 238, 239, 249  
 Joffe, Leonard 281  
 Johari, Bushra 233  
 Johnston, Robert 154, 285  
 Johnston, Sonja 97  
 Jolly, Jasleen 280  
 Jonas, Jost 66, 90, 169, 179  
 Jong, Mónica 131  
 Joo, Choun Ki 113, 214, 272  
 Joseph, Joveeta 251  
 José Roca 186  
 Jovanovic, Milena 292  
 Jovanovic, Svetlana 292

Jovanovic, Zorica 292  
 J, Sushma 230  
 Juárez, Alejandra 290  
 Juárez, Brenda 109, 285  
 Juárez, Juan Carlos 74, 93, 94, 102, 123, 194, 249  
 Juárez, Natalie 233, 235  
 Judson, Katherine 197  
 Jürgens, Ignasi 196  
 Justiniano, Manuel José 238

## K

Kadav, Mandar 269  
 Kadayifcilar, Sibel 283  
 Kaderli, Berkant 112  
 Kadir, Syeed 194, 258, 259, 263  
 Kadonosono, Kazuaki 82  
 Kahloun, Rim 160, 287, 293  
 Kakizaki, Hirohiko 61, 125, 129  
 Kalb, Rashel Cheja 80  
 Kalirai, Helen 198  
 Kallol, Nazmul 195  
 Kalu, Anya 237  
 Kamei, Ari 246  
 Kaminska, Anna 238, 239  
 Kamiya, Kazutaka 210  
 Kampik, Anselm 227  
 Kanar, Hatice 282, 286  
 Kang, Hao 200  
 Kang, Kuidong 196, 200  
 Kant, Shri 160, 190  
 Kanyata, Daniel 216  
 Karacorlu, Murat 278  
 Karam, Emely 87, 127  
 Karaöz, Erdal 239  
 Karatepe, Arzu Seyhan 251  
 Kargacin, Marinka 110, 159  
 Karimi, Saeed 280, 291  
 Karini, Belma 213, 222, 291  
 Karkhur, Samendra 199, 200  
 Karp, Carol 63, 120, 166  
 Karthikeyan, Deva 113  
 Kasadhakawo, Moses 228  
 Kashii, Satoshi 87, 119  
 Kashkouli, Mohsen 63, 181, 258  
 Kasuga, Toshimitsu 239  
 Katamish, Tarek 62  
 Kato, Rieko 280  
 Kato, Satoshi 243  
 Katowitz, James 189  
 Katowitz, William 182, 189  
 Kato, Yasushi 108  
 Katsan, Sergey 251, 268  
 Katz, Todd 160  
 Kaur, Manpreet 159, 216  
 Kaushik, Sushmita 235, 236  
 Kavalec, Conrad 254  
 Kavelina, Anna 219



- Kawai, Kenji 209  
Kawaji, Takahiro 236  
Kawasaki, Aki 127, 128, 144  
Kawase, Kazuhide 182  
Kaya, Gokhan 209, 217  
Kaya, Mahmut 277, 280  
Kaymak, Hakan 155, 195, 210, 211, 219  
Kaynak, Suleyman 277  
Kazakbaeva, Gylli 193  
Kazakova, Alyona 233  
Keane, Pearse 284  
Kearns, Patrick 96  
Kee, Changwon 90  
Keeffe, Jill 95, 181  
Keightley, Simon 99, 178  
Kelleher, Michelle 154  
Kello, Amir 118, 133  
Kerek, Andrea 211  
Kerimoglu, Hurkan 285  
Kern, Christoph 154  
Kerr, Natalie 147  
Keskinbora, Kadircan 131  
Khairallah, Moncef 88, 94, 160, 287, 294  
Khalife, Mohamad 194  
Khalil, Ahmad 108  
Khamraeva, Gavhar 246  
Khanam, Tina 200, 228  
Khanani, Arshad 154, 155  
Khan, Assad 281  
Khandekar, Rajiv 133, 228, 261  
Khandelwal, Rekha 230  
Khan, Yasser 67, 68, 125  
Khaqan, Hussain 154, 274  
Khatun, Mastura 195  
Khaw, Peng T. 108, 234  
Khedekar, Amit 111, 156, 201, 256, 259, 264  
Kheir, Wajiha 292  
Khochtali, Sana 294  
Khokhar, Sudarshan 157  
Khoo, Howe 194  
Khoramnia, Ramin 158, 270  
Khoueir, Ziad 248  
Khurram, Darakhshanda 223  
Kiage, Daniel 164, 170  
Kičová, Nadia 274  
Kikkawa, Don 68, 171  
Kilangalanga, Ngoy 64  
Kim, Ah Young 235  
Kim, Chan Yun 134, 240  
Kim, Hakyoun 285  
Kim, Jonathan 86, 185  
Kim, Leo 275  
Kim, Mansoo 224  
Kim, So-Youl 260  
Kim, Su Ah 196, 200, 260  
Kim, Tae Woo 81, 125  
Kim, Usha 111, 156, 201, 256, 259, 264  
Kim, Yongdae 268  
Kim, Young Shin 233  
Kinoshita, Shigeru 74, 101, 133, 140  
Kir, Nur 275  
Kiseleva, Tatiana 145, 282  
Kitnarong, Naris 108  
Kivánc, Sertac Argun 231, 251  
Kivela, Tero 92, 119, 141, 187  
Kizlaitiene, Rasa 244  
Klabe, Karsten 195, 211, 219  
Klassen, Henry 177  
Klaus, Andrea 199  
Klaus, Norbert 199  
Klemm, Matthias 286  
Klett, Artur 78  
Knopp, Michael 257  
Ko, Anne 225  
Kobashi, Hidenaga 210  
Kobayashi, Akira 102  
Kobayashi, Megumi 243  
Kobir, Showkot 227  
Kocak, Nilufer 277, 280  
Koch, Hans-Reinhard 127  
Kocur, Ivo 88, 126, 127, 138, 163, 170  
Kodama, Aya 216  
Koffler, Bruce 61, 133, 138, 140  
Koga, Wilson 247, 248  
Koh, Joel En Wei 248  
Kohn, Jocelyne 135  
Koh, Victor 260  
Koizumi, Hideki 155  
Koki, Godefroy 197  
Koladiya, Nikunj 253  
Komuku, Yuki 278  
Korder, Vincent 172  
Korobelnik, Jean-Francois 159, 160  
Korol, Andrii 156, 200, 281, 282  
Kortüm, Karsten 154, 227  
Korwin, Magdalena 281  
Koshy, Marymol 233  
Koshy, Zachariah 159  
Kostin, Oleg 195  
Kotagiri, Ajay 277  
Kotamarthi, Venkat 281  
Kotorzhenko, Maryna 251  
Kourgialis, Nick 80  
Kovalov, Andriy 138, 194  
Kozeis, Nikolas 92  
Krasnovid, Tatyana 231  
Krawczyński, Maciej 281  
Krema, Hatem 124  
Kretz, Florian 155, 195, 210, 211, 219, 227  
Kreutzer, Thomas 227  
Krishnan, Muthu Rama 248  
Krishnan, Radhika 197  
Krishna, Soujanya 156  
Krueger, Ronald 65, 127, 129, 135  
Kruse, Friedrich 62, 87, 101  
Kryvun, Aliaksandr 211



- Ksiasa-Khairallah, Imen 293  
 Ksiazek, Susan 164  
 Kucukerdonmez, Cem 112, 158, 233  
 Kucukevcilioglu, Murat 194, 230  
 Kucukler, Ferit 199  
 Kuhn, Dorothea 178, 217  
 Kuhn, Ferenc 75, 80, 117  
 Kumaramanickavel, Govindasamy 174  
 Kumar, Ashish 198  
 Kumar, Atul 156  
 Kumar, Mahesh 111  
 Kumar, Vinod 156  
 Kunt, Zeynep 220  
 Kuo, Anthony 156  
 Kuppermann, Baruch 126, 133, 154, 156, 172, 177  
 Kurosaka, Daijiro 286  
 Kurowska, Anna 294  
 Kuroyedov, Alexander 234  
 Kurt, Emin 224  
 Kurtz, Shimon 237  
 Kurysheva, Natalia 145, 234  
 Kusa, Barbara 158  
 Kustryn, Taras 156, 200, 281, 282  
 Kwak, Hyung Woo 75  
 Kyari, Fátima 178  
 Kychenthal, Andrés 163, 190
- L**
- Labuschagne, Mathys 181  
 Laganovska, Guna 285  
 Lai, Yien 210  
 Lajmi, Houda 269  
 Lake, Sarah 198  
 Lam, Lorena 111, 112, 113  
 Langer, Paul 194  
 Lansingh, Van 141, 142, 199  
 Lansingh, Van C. 132  
 Laptev, Boris 211  
 Lara, Citali 86  
 Larco, Sandra 174  
 Larrea, Jaime 156, 193, 195  
 Larrea, Pablo 143  
 Larsen, Michael 160  
 Larson, Scott 66  
 Larywon, Kenneth 95  
 Laspina, Florentina 256  
 Laude, Augustinus 248  
 Lauer, Andreas 147, 154  
 Laul, Rohit Sanjay 274  
 Laurencio, Liliana 95  
 Laza, Sebastián 227, 246, 249, 283  
 Lazcano, Gabriel 178, 233, 235, 238  
 Lazicka, Monika 293, 294  
 Lazreg, Sihem 178, 220  
 Leal, Inés 156, 228  
 Lechowicz, Agnieszka Urgacz 201  
 Lechuga, Rodrigo 249
- Leck, Astrid 199  
 Ledesma, Gerardo 156, 247  
 Ledesma, Jasbeth 153, 156, 193, 232, 247  
 Lee, Bo Ram 235  
 Lee, Hee-Kyoung 218  
 Lee, Hyun Soo 113  
 Lee, Jong Soo 112, 224  
 Lee, Kyung Heon 155  
 Lee, Paul 187  
 Lee, Po Yen 217  
 Lee, Ramón 248  
 Lee, Sang Yeop 240  
 Lee, Wei Wei 255, 266  
 Lee, Wendy 91, 120  
 Lee, Wen Hsiang 188  
 Lee, Wen-Hsiang 289  
 Lee, Wonmo 260  
 Lee, Yuan-Chieh 291  
 Lee, Yueh-Chang 216, 291  
 Legodi, Kgao Edward 83, 183  
 Leicht, Simon 154, 227  
 Leng, Theodore 177  
 León, Nicolás 111, 214, 225  
 Lerner, Fabián 65, 84, 125, 138, 179, 184  
 Leroy, Christian 215  
 Letaief, Imen 213, 214  
 Leung, Christopher 62, 108, 145  
 Leus, Nikolai 199  
 Levine, Arthur 168, 282, 284  
 Lewis, Kylee 218  
 Lian, Jiabin 109  
 Liao, Shu Lang 258  
 Lichtinger, Alejandro 83, 107, 112, 153, 156, 193, 222  
 Li, Dong-Mei 68  
 Li, Geng 265  
 Li, Georgia 154  
 Li, Iris 290  
 Li, Jennifer Y. 63  
 Li, Junhong 265  
 Li, Lim 178  
 Lima, Luiz 112  
 Limao, Antonio 96  
 Lima, Virgilio 117  
 Lim, Laurence 275  
 Lim, Lyndell 284  
 Lim, Min Young 270  
 Limón, Octavio 289  
 Lim, Tock Han 77  
 Lin, Chang-Ping 229  
 Lin, David 110, 193, 273  
 Lingam, Vijaya 170, 232  
 Lin, Shan 239  
 Lira, Fabiola 264  
 Lisa, Carlos 156  
 Lisch, Walter 88  
 Lisker, Andrés 218  
 Liu, John 137  
 Liu, Yingna 248





Liveikiene, Ausra 244  
 Li, Xiao-Ming 246, 288  
 Li, Xiaoxin 68, 156  
 Li, Xingyu 210  
 Li, Xintong 194  
 Li, Ying 240  
 Li, Yingjie 239  
 Li, Yin Wei 111, 263  
 Lizana, Carmen 86  
 Li, Zhisheng 265  
 Llantada, Fátima 210  
 Llerandi, Cristina Isida 222  
 Llop, Stephanie 292  
 Lobo, Ann-Marie 125  
 Lock, Jing Zhan 231  
 Loewenstein, Anat 126, 133, 136, 154  
 Löfqvist, Chatarina 157, 163  
 Loganathan, Tarunan 281  
 Logan, Patrick 254  
 López, Alejandro 289  
 López, Ana 213, 240  
 López, Antonio 73, 110, 213  
 López, Claudia 156  
 López, Ellery 142, 143, 232  
 López, Eva 255  
 López, Federica 263, 264  
 López, Gabriela 86, 180  
 López, José 295  
 López, José Antonio 74, 180  
 López, María De Lourdes 294  
 López, Miguel 77, 129  
 López, Moisés 151  
 López, Omar 176  
 López-Rubio, Salvador 231  
 López, Salvador 110, 193, 196, 249, 253, 279  
 López, Sofía 285  
 López, Vanessa 176  
 López-Venegas, Ana 231  
 López, Vianhi 113, 253, 256, 260, 261, 262, 263, 264  
 López, Yolanda 256  
 Lora, Joaquín 65, 77  
 Lorenz, Birgit 128, 156, 195  
 Lorenzo, Ana 215  
 Lovett, Joséph 132  
 Lowder, Careen 80, 121  
 Lowenberg, Jonathan 228  
 Loya, Denise 264  
 Lozano, David 79, 180  
 Lozano, Jaime 103, 109, 110, 211, 212, 241  
 Lozano, Jesús 277  
 Lozano, Josué 158, 196, 236, 279  
 Lu, Chengxing 160  
 Luco, Cristian 87  
 Luis Aguilar 221  
 Luján, Vanessa 253  
 Lumbroso, Bruno 69  
 Lu, Na 197  
 Lundgren, Pia 157  
 Lundstrom, Mats 90

## M

MacDonald, Susan 100, 145, 150, 166  
 Macedo, Raúl 84, 85, 93, 194  
 Machado, Jorge 143  
 Macías, Jaime 143, 212  
 Macías, Mario Pólit 85  
 Mackey, David 186  
 Macsai, Marian 88  
 Maeda, Akiko 277  
 Maeda, Naoyuki 62, 84, 133  
 Magaña, Claudia 246  
 Magaña, David 210, 248, 249, 250, 275  
 Maguire, Maureen 225  
 Mahesh, Sankaranarayana 211  
 Mahillo, Ignacio 223  
 Mahmodi, Amir 291  
 Mahmood, Shehrin 220  
 Mahmood, Usman 269  
 Mahmoud, Tamer 105, 117, 153  
 Mahrouqi, Haitham Al 229  
 Maia, André 112  
 Maia, Mauricio 68, 77, 112, 134, 153, 172, 174  
 Majmudar, Parag 62, 92, 127, 192  
 Makhkamova, Dilbar 246, 247  
 Maldonado, Henry 110  
 Maldonado, Milton 86, 158, 291, 292, 293  
 Malecaze, Francois 65  
 Malé, Francisco 246, 268  
 Mallipatna, Ashwin 187  
 Malyugin, Boris 65, 100, 139, 151, 155, 166, 171, 187  
 Mancha, Cuauhtémoc 118  
 Mancini, Ronald 95  
 Manjandavida, Fairouz P. 107  
 Mannis, Mark 62, 87, 120  
 Mannor, Geva 258  
 Mannucci, Lorenzo 172, 194  
 Manousaridis, Kleantlis 282  
 Manquez, María 241  
 Mansoor, Hassan 266  
 Mansouri, Kaweh 134, 137  
 Manunta, María 234  
 Maranhão, Lucio 224  
 Marappan, Harikrishnan 261  
 Marban, Aura Cristina 109  
 Marcet, Marcus 91  
 March, Francesc 64  
 Marcon, Giovanni 73  
 Marcos, Hernán 251  
 Marinova, Teodora 222, 231  
 Mariotti, Silvio 124  
 Mark, Harry 295  
 Marqués, Carlos 156  
 Márquez, Alma 245  
 Marsh, Ian 73  
 Marsteller, Laurence 281, 283  
 Martínez, Alejandro 158, 198, 236  
 Martínez, Alexander 215



- Martínez, Ana 196, 238  
 Martínez, Ángel 158  
 Martínez, Arturo 157  
 Martínez, Bernardo 251  
 Martínez, Carlos 183  
 Martínez, Claudia 196, 284  
 Martínez, Elizabeth 238, 284, 293  
 Martínez, Fernando 246  
 Martínez, Francisco 117, 142, 158, 291, 293  
 Martínez, Jaime 218, 222, 223, 225, 249  
 Martínez, Joaquín 143  
 Martínez, Jorge Mauricio 112  
 Martínez, José 214, 238  
 Martínez, Magda 236, 253  
 Martínez, María 142, 163, 196, 249, 274, 275, 284  
 Martínez, Rosa 290  
 Martínez, Susana 137  
 Martínez, Verónica 219, 221, 245, 246, 255, 268  
 Martínez, Virginia 109, 229  
 Martínez, Walter 289  
 Martin, Frank 91, 95, 119  
 Martín, Jesús 242  
 Martus, Peter 109, 288  
 Maruko, Ichiro 155  
 Maskati, Quresh 89, 90  
 Masket, Samuel 101, 121, 146, 166, 192  
 Masoudnaseri, Mehran 273  
 Mastromonaco, Christina 254, 256  
 Mata, Felipe 276  
 Mateos, Karina 113, 261  
 Materin, Miguel 99  
 Mathai, Annie 251  
 Mathenge, Ciku 122  
 Matiz, Humberto 109, 159  
 Matsui, Rodrigo 64, 168, 200  
 Matsuoka, Naoki 281  
 Matsuura, Masato 234  
 Mattar, Pedro 265  
 Matus, Gonzalo 125, 255  
 Maumenee, Irene 75, 123  
 Mavigok, Ezgi 230  
 Maya, Leticia 218, 219, 225  
 Mayora, Eridani 102, 247, 248  
 Mayorga, Eduardo 79, 89, 122, 126, 142, 181, 185, 186  
 Mayorquín, Mariana 104, 173, 234, 248, 249, 285  
 May, William 121  
 Mazzini, Cinzia 254  
 Mbekeani, Joyce 244  
 Mboni, Chileshe 195  
 McAlister, Chrysta 131  
 McAllister, Ian 160  
 McCallum, Ewan 269  
 McCarthy, Conni 198  
 McCarty, Catherine 141  
 Mccluskey, Peter 292  
 McDonald, H. Richard 87  
 McDonnell, Peter 82, 121  
 McLeod, Joan 199  
 McNabb, Ryan 156  
 McNab, Eleanor 195  
 McWilliams, Kathleen 225  
 Medellín, Rubén 238, 249, 250  
 Medhi, Jnanankar 113  
 Medina, Carlos 97, 185  
 Medina, Lourdes 143, 180  
 Medina, Venus 227  
 Megbelayin, Emmanuel 226  
 Meguro, Akira 294  
 Mehdi 291  
 Mehta, Hemal 284, 292  
 Meier, Petra 75, 76  
 Mejía, Herlinda 113, 219  
 Melki, Samir 138  
 Melles, Gerrit 155, 156  
 Mencucci, Rita 155  
 Méndez, Antonio 111  
 Mendiola, Jorge 201  
 Mendonça, Ana Da Encarnação 228  
 Mendoza, Azucena 255  
 Mendoza, Cristina 109, 110, 152, 241  
 Mendoza, Dahana 270  
 Mendoza, Erick 85, 173, 192  
 Mendoza, Guillermo 245, 283  
 Mendoza, María Elena 215, 240  
 Mendoza-Santiesteban, Carlos 154  
 Meneghim, Roberta 251, 262  
 Meneses, José Rosales 284  
 Mennel, Stefan 274, 282  
 Mentés, Jale 282  
 Merayo, Jesús 216  
 Meraz, Miroslava 274  
 Mercado, ArieH 149, 215, 225  
 Merrone, Andrea 237  
 Messaoud, Riadh 293, 294  
 Meyer, Carsten 117  
 Meyer, David 257  
 Mhamed, Maycene Ben 184  
 Michel, Sara 236  
 Midha, Neha 157  
 Miers, Gloria 194  
 Miguel, Nasim 268, 284  
 Mihai, Constantin 223  
 Milla, Elena 232  
 Millán, Francisco 146  
 Miller, Darlene 112, 113, 289  
 Miller, Eydie 96, 164, 170  
 Miller, Kevin 100, 101, 144, 146, 150, 192  
 Miller, Marilyn 119, 123  
 Millet, Alejandro 110  
 Milnes, Fran 285  
 Minemura, Kenji 95  
 Mingo, David 223  
 Miño, Herminia 256  
 Minto, Hassan 95  
 Mintz, Helen 163  
 Miranda, Alejandra 257



- Mir, Atif 274  
 Mira, Ximena 137  
 Mireskandari, Kamiar 294  
 Miro, Juan José 239  
 Misakyan, Karine 211  
 Mis, Andrew 252  
 Miserocchi, Elisabetta 75  
 Mishra, Sailesh 195, 197  
 Mishra, Tirtha 195, 197  
 Misra, Diva 201, 256  
 Mitchell, Paul 77, 159, 160  
 Mitra, Mukti 194, 258, 259  
 Mitrophanous, Kyriacos 154  
 Mitsch, Christoph 250  
 Miyamoto, Yuko 216  
 Mizuki, Nobuhisa 294  
 Mizuno, Masaharu 235  
 Mizuno, Yoshinobu 235  
 Modi, Aditya 280  
 Moghaddam, Yeganeh 289  
 Mogk, Lylas 174  
 Moguel, Silvia 73, 104, 135, 190, 192, 268  
 Mohamed, Iman Fahmy 274  
 Mohamed, Jibran 113, 198, 201  
 Mohamed, Karim 198, 226  
 Mohammadzadeh, Mohammad 280  
 Mohan, Sujatha 272  
 Moin, Muhammad 147, 270  
 Mokni, Imen 250, 289  
 Molazadeh, Arman 283  
 Molina, Carolina 277  
 Molinari, Andrea 85, 93, 134, 163  
 Monai, Natsuki 274  
 Monroy, Adolfo 275  
 Montahai, Talie 282  
 Montaña, Carla 137, 158, 159, 273, 278, 282  
 Montaña, Carla 284  
 Montecinos, Cristian 113, 253, 260, 261, 262, 263  
 Montemagno, Carlo 82  
 Montes, Kelly 285, 294  
 Montes, Natalia 227, 246, 249, 283  
 Montilha, Rita De Cassia 243  
 Montoya, Jennifer 233  
 Montuoro, Alessio 250  
 Moore, Anthony 64  
 Moradian, Siamak 280  
 Mora, Eduardo 260  
 Mora, Fernando 173  
 Moragrega, Eduardo 103, 104, 173, 248, 285  
 Mora, Justin 64, 103  
 Morales, Fernando 201  
 Morales, Jorge 276, 286, 288, 290  
 Morales, Juliana 257  
 Morales, Virgilio 68, 73, 83, 86, 105, 117, 123, 134, 153, 249, 274, 275, 279, 285  
 Morcillo, Rafael 111  
 Moreker, Sunil 95, 122, 182, 189  
 Morelli, Julia 218  
 Morelos, Paula 194  
 Moreno, Carolina 263  
 Moreno, Daniel 124, 253  
 Moreno, José 213, 241  
 Moreno, Luis 289  
 Moreno, Maite 109  
 Moreno, Uriel 246  
 Morgan, Ian 61  
 Morón, Tania 239  
 Moroto, Naoya 239  
 Morse, Christie 66  
 Morselli, Simonetta 78, 92, 130  
 Mortada, Hassan 105  
 Moses, Bejan Singh Samuel 158  
 Moster, Mark 179  
 Moster, Marlene 148  
 Mowatt, Lizette 123, 170  
 Moyseyenko, Nataliya 200  
 Mozaffarieh, Maneli 90  
 Mrukwa-Kominek, Ewa 213, 242  
 M, Shantha Sruthi 229, 241, 269, 276, 277  
 Muccioli, Cristina 80, 121, 122  
 Mudunuri, Harika 108  
 Mueller, Matthias 155, 210  
 Muhammad Rabi 142  
 Muiños, Yerena 106, 258  
 Muir, Eric 186  
 Mukherjee, Bipasha 111, 259  
 Mukherji, Shantanu 240, 242  
 Müller, Michael 227  
 Mundo, Elizabeth 240  
 Mun, Faria 112, 286  
 Munier, Francis 118  
 Muñoz, Beatriz 142  
 Muñoz, Efrén 215, 227  
 Muñoz, Francisco 77  
 Muñoz, Gerardo Enrique 289  
 Muñoz, Pablo 180  
 Muñoz, Sergio 250  
 Muqit, Mahi 80, 122, 273  
 Murai, Kenichi 286  
 Murakami, Akira 172  
 Murakami, Tomoaki 274  
 Muralidharan, Vinata 278  
 Murata, Hiroshi 234, 237  
 Muravchik, Jorge 111  
 Murchison, Ann 280  
 Murillo, Claudia Elena 69, 86, 150, 194, 265  
 Murillo, Diego 212  
 Murray, Philip 75, 88  
 Murray, Timothy 82  
 Murthy, Kalpana 94, 124  
 Murúa, Evalicia 130  
 Muskalska, Anita 216  
 Muskalski, Krzysztof 216  
 Muslubas, Isil Sayman 278  
 Muthukkaruppan, Veerappan 156, 201  
 Muthukumarasamy, Sivakamakshi 269



Mutlu, Fatih 194  
Muttuvelu, Danson 226

## N

Nacef, Leila 250, 289  
Nadal, Jeromi 179  
Nadal, Jerónimo 74  
Nagasawa, Mana 285  
Nag, Dipak 282  
Nagel, Edgar 286  
Nagy, Zoltan 62, 90, 127, 144  
Nahar, Nazmun 200  
Naidoo, Kovin 124, 131, 163, 181  
Naidoo, ovin 201  
Naik, Milind 171  
Nájera, Mario 93  
Nakagawa, Tomoya 278  
Nakanami, Celia 124  
Nakao, Shintaro 172  
Nakazawa, Mitsuru 274  
Nakra, Tanuj 91, 95  
Nalcacioglu, Pinar 230  
Nalçacı, Serhad 282  
Namoc, Alicia 216  
Nanavaty, Mayank 220  
Nañez, Cinthya 157  
Narain, Shishir 124  
Narang, Priya 150, 151, 153, 172  
Naranjo, Ramón 136  
Narendran, Kalpana 93  
Narendran, Siddharth 244, 255, 260  
Nares, Eduardo 245  
Nares, Jesús 113  
Naseri, Ayman 145  
Naseripour, Masood 118, 119, 187  
Nasinnyk, Illia 199, 281  
Nasser, Linda 173  
Natalia, Karandiuk 288  
Natarajan, Sundaram 81, 90, 131, 173, 197, 286  
Natsuaki, Kryscia 262  
Naumenko, Volodymyr 200, 279  
Nava, Adriana 293  
Nava, Ángel 66, 81, 218, 255, 257, 259  
Nava, Carlos 261  
Navajas, Eduardo 177  
Nava, José 111  
Navar, Carlos 113, 253, 260, 261  
Navarrete, Ana 109  
Navarrete, Gabriela 222, 225  
Navarro, Francisco 143  
Navarro, Patricia 86, 293  
Navas, Alejandro 65, 107, 111, 112, 129, 156, 176,  
189, 193, 195, 199, 218, 222,  
223, 225, 232, 247, 271, 272  
Naveiras, Miguel 156  
Naycheva, Lubka 109, 288  
Nayman, Taylor 256  
Neal, Daniel 62  
Neely, Daniel 135, 266  
Nelson, Christine 99  
Nemeth, Janos 97  
Nentwich, Martín 265  
Neo, Yan Ning 158  
Neroev, Vladimir 282  
Neto, Eliana 112  
Neves, Carlos Marqués 112  
Nevska, Alla 156, 282  
Newball, Lyle 165  
Ng, Alex 195  
Nguyen, Dan 281  
Nguyen, Hien 236, 260  
Nguyen, Quan 94, 172  
Nguyen, Quan D. 154  
Nicolela, Marcelo 94, 95  
Nieto, Elisa 230  
Nieto, Talia 215  
Nieto, Talía 293  
Niño, Camilo 214, 224  
Nirmalkar, Khemlal 251  
Nischal, Ken 78, 88  
Nishida, Kohji 174  
Nishida, Yasunori 285  
Nishi, Mauro 96, 226  
Nishimura, Alan 291  
Nishiwaki, M. Cristina 120  
Njeri, Lucy 216  
Njuguna, Margaret 216  
Nkumbe, Henry 124  
Noche, Christelle 294  
Noda, Toru 235, 275, 277  
Nolan, John M. 73  
Noriega, Karim Mohamed 113  
Noronha, Veena 111  
Nourinia, Ramin 282  
Novais, Eduardo 112  
Nowak, Michal 199  
Nudleman, Eric 64  
Nugent, Beatriz 254  
Núñez, Paulina 111, 113, 260, 261, 253, 262, 263  
Nuño, Moisés 247, 285, 290  
Nussenblatt, Robert 290  
Nwosu, Sebastián 237  
Nyamai, Lily 216



## O

- Obradovic, Ljiljana 292  
 O'Brien, Terrence 129, 144  
 O'Brien, Terry 146  
 Ocak, Osman 195  
 Ocampo, Hugo 75, 137  
 Ochiai, Makiko 243  
 Ochoa, Daniel 109, 238, 275, 278, 283  
 Ochoa, Gabriel 196, 277, 284  
 Ochoa, Juan Carlos 85, 136, 205, 225  
 Ochoa, Miguel 109, 223, 243  
 Oderinlo, Olufemi 241, 287  
 O'Dwyer, Pinar 131, 169, 181  
 Ogasawara, Masashi 155  
 Ogaz, Fabiola 113, 260, 261  
 Ogorodnikova, Victoria 234  
 Ogundimu, Kolawole 133  
 Ogundipe, Bade 131  
 Ogun, Olufunmilola 199  
 Ogunro, Adunola 241  
 Oguz, Halit 233  
 Oh, Joo Youn 113  
 Ohn, Mya 285  
 Okada, Annabelle 155  
 Okka, Mehmet 285  
 Okonkwo, Ogugua 241  
 Olakkengil, Joséph 200  
 Olazabal, Mayela 109, 231  
 Olcaysu, Osman Okan 251  
 Ołdak, Monika 281  
 Olguín, Arturo 222  
 Olguín, Francisco 274  
 Olhovich, Irene 94  
 Oli, Avadhesh 240, 243  
 Olitsky, Scott 69, 150  
 Olivares, Juan Pablo 197, 228  
 Olivares, Leslie 266  
 Oliva, Valeria 155, 156  
 Oliver, Scott 154  
 Oltulu, Refik 285  
 Olusanya, Bolutife 157, 243  
 Olvera, Osiris 253, 259, 260, 262, 264  
 Onkar, Abhisek 252  
 Ontiveros, Daniel 280  
 Ooto, Sotaro 200  
 Oray, Merih 290  
 Orazbekov, Lukpan 279  
 Ordóñez, Fabiola 293  
 Ordóñez, Lizbeth 237  
 Orea, Carolina 109, 110, 152, 241  
 Oregon, Aldo 149, 215, 225, 267  
 Oregon, Eric 221  
 Orihuela, Yanelly 265  
 Orjuela, Leonardo 110  
 Orlich, Claudio 136  
 Orozco, Alejandra 111, 112, 156  
 Orozco, J. Eduardo 249  
 Orozco, José 157  
 Orozco, Luis Porfirio 86, 124, 128, 142, 163, 179, 190, 255, 289  
 Ortega, Gabriela 86, 294  
 Ortega, José Francisco 157, 235  
 Ortega, Juan 183  
 Ortega, Juan Guillermo 171  
 Ortega, Ximena 251  
 Ortiz, Álvaro 109, 223, 224, 243  
 Ortiz, Ana 294  
 Ortiz, Andrea 194, 244  
 Ortiz, Delfina 86  
 Ortiz, Dolores 195  
 Ortiz, Gabriela 220  
 Ortiz, Julio Rodrigo 256  
 Ortiz, Nubia 215  
 Osanai, Hajime 61  
 O'Shea, Gabriel 143  
 Oshika, Tetsuro 139, 166  
 Oshoba, Festus 231  
 Osorio, Andrés 109, 289  
 Osorio, Andrés 255  
 Ospina, Luis 69  
 Ossa, Carolina 247  
 Ostrosky, Mauricio 290  
 Otero, Ernesto 165, 171  
 Ouertani, Amel 83, 172, 178  
 Ovchinnikov, Alexander 195  
 Overland, Lene 195  
 Ozaki, Mineo 146, 147  
 Özcan, Altan 229  
 Ozdemir, Hakan 278  
 Ozeki, Takayuki 286  
 Ozge, Gokhan 230  
 Oziębło, Dominika 281  
 Özmen, Ahmet Tuncer 231  
 Ozorno, Jorge 218, 227, 256  
 Öztaş, Zafer 282  
 Ozturk, Faruk 230  
 Öztürk-Şahin, Bilge 251  
 Öztürk, Sibel Zorlu 251  
 Ozturk, Taylan 277, 280  
 Ozu, Choichiro 235  
 Ozyazgan, Yilmaz 290  
 Ozyurt, Ayhan 280



## P

- Pacheco, Cristina 112, 148, 219, 220, 270, 271  
 Pacheco, Jorge 226, 253  
 Pacheco, Michele 262  
 Paciuc, Miguel 194  
 Packard, Richard 82, 90, 100, 121, 144, 155, 166  
 Packo, Kirk 83, 186  
 Paczka, José 83, 84, 157, 172, 232  
 Padhy, Debnanada 108  
 Padilla, Marylin 246, 269, 280, 283  
 Padmanabhan, Prema 232  
 Páez, Juan 284  
 Páez, Juan Homar 102, 194  
 Páez, Manuel 269, 274, 275  
 Pakravan, Mohammad 200  
 Palacio, Claudia 109, 110, 152, 165, 173, 241  
 Palacios, Claudia 173  
 Palasik, Witold 244  
 Palis, Ana 79, 159, 164, 185, 186  
 Pallás, Carolina 157, 175  
 Pallerla, Srinivasa 199, 228  
 Pallikaris, Ioannis 188  
 Palmberg, Paul 66, 148  
 Panagiotis 112  
 Panarelli, Joséph 91, 147, 148  
 Pandav, Surinder 235, 236  
 Pandey, Shraddha 160  
 Pandit, Sumir 248  
 Pandiyan, Yamuna 237  
 Pang, Calvin 183  
 Papa, Gabriela 112  
 Papakostas, Thanos 275  
 Papp, Andrea 263  
 Paranhos, Augusto 78, 125  
 Parararajasegaram, Ramachandra 88  
 Paredes, David 109, 255, 289  
 Pareja, Luis 214  
 Parel, Jean-Marie 108, 238  
 Parhisgar, Hamid 291  
 Paridaens, Dion 185  
 Paris, Vincent 69, 135  
 Parkavi I, Sindhu 276, 277, 283  
 Park, Dae Hyun 233  
 Park, Jin Heung 217  
 Park, Jun Young 246  
 Park, Juwan 260, 263  
 Park, Ki Ho 62, 65, 81  
 Park, Sang Woo 108, 158  
 Park, Un Chul 169  
 Park, Young Min 224  
 Parra, Diana 110, 221, 289  
 Parra, Juan 239  
 Parra, María 214, 216, 221  
 Parshunina, Olga 234  
 Parsley, Sally 199  
 Partida, Sandra 242  
 Pasechnikova, Natalia 268  
 Pasyechnikova, Nataliya 156, 199, 220, 268, 279  
 Patel, Daksha 199  
 Patel, Krunal 159  
 Patel, Samir 133  
 Patel, Sanjay 84  
 Patidar, Arun 157  
 Patiño, Beatriz E 113  
 Paul, Rinku 282  
 Pauly, Marian 111, 259  
 Payne, Andrew Olivo 193  
 Paz, Rafael 103, 222, 272  
 Paz, Silvia 221, 248, 249, 250, 267  
 Pedersen, Iben 272  
 Pedroza, Miguel 86, 159, 196, 251, 290, 291, 292, 293, 294  
 Pedroza-Seres, Miguel 158  
 Pe'er, Jacob 187  
 Pe'er, Jacob 97  
 Pefkianaki, María 280  
 Pelayes, David 64, 93, 124, 130, 137, 185, 193  
 Peña, Adolfo 214  
 Peña, Alexandra 223, 293  
 Peñaflor, Judith 151  
 Peñaloza, Iliana 293  
 Peña, Magda 223, 245, 283  
 Peniche, Fernando 128  
 Peniche, Susana 110, 212, 215, 231, 253  
 Penido, Isis 132  
 Penido, Paulo 132  
 Penner, Victor 218  
 Peralta, María Del Carmen 218, 269, 289  
 Pereira, José Álvaro 129  
 Pereira, Nicolás Cesario 62, 102  
 Perera, Shamira 61  
 Pérez, Ana Lilia 222  
 Pérez, Beatriz Jatziri 158  
 Pérez, Daniel 194  
 Pérez, Elisa 289  
 Pérez, Fernando 93  
 Pérez, Héctor 100, 255, 258  
 Pérez, Itzel 239  
 Pérez, Itzel Montserrat 108  
 Pérez, Jorge 96  
 Pérez, José 92, 175, 265, 266, 267  
 Pérez, José Fernando 102  
 Pérez, Julio 289  
 Pérez, Karime 110, 212, 231  
 Pérez, Liliana 196, 199  
 Pérez, Rodolfo 125, 172, 184  
 Pérez, Saira 287  
 Pérez, Víctor 63, 104, 129, 176, 182  
 Perfecto, Yocanxóchitl 113  
 Perlmutter, David 83  
 Persad, Nilesh 123  
 Peskin, Ellen 225  
 Petrov, Sergey 234  
 Petrovski, Goran 287  
 Pham, Huan 270



Pham, Thanh 236  
 Pham, Van 260  
 Phillips, Casie 113  
 Phogat, Jitender 236  
 Picaud, Serge 82  
 Pichi, Francesco 80  
 Pieramici, Dante 117  
 Pignata, Gabriel 259  
 Pilkevich, Tatiana 279  
 Pimentel, Ana Rosa 95, 184  
 Pimentel, Karla 244, 248, 250, 270  
 Piña, José 221, 244, 248, 250, 267, 269, 270  
 Pinchuk, Léonard 108  
 Pineles, Stacy 266  
 Pinkus, Christian 226  
 Pinto, Luís Abegão 156  
 Piovella, Matteo 144, 146, 158  
 Piva, Alfio 84, 130  
 Pınarçı, Eylem 286, 287  
 Plager, David 66, 128  
 Plant, Gordon 78, 101  
 Plaza, Ana 214  
 Plaza, Leticia 233  
 Plazola, Sara 68, 113, 255, 261  
 Pleyer, Uwe 168  
 Płoski, Rafał 281  
 Pluim, Jennifer 227  
 Pluma, Sonia 173  
 Plunkett, Malcolm 109  
 Podesta, Lesley 80, 122  
 Pokhrel, Hukum Prasad 199  
 Polania, Eduardo 247  
 Pollack, Ayala 112, 281  
 Pollock, Travis 91  
 Ponce De León, Doris 236  
 Ponce, José Ramón 229  
 Ponomarchuk, Vera 277  
 Pontón, Christian Sancho 85  
 Poon, Yi-Chieh 287  
 Popandopulo, Andrew 219  
 Poposka, Daniela 196  
 Poposki, Vladimir 196  
 Portilla, César 159  
 Potgieter, Frik 155, 156, 184, 195  
 Poulaki, Vasiliki 124  
 Pozzi, Sara 164, 284  
 Prabakar, Sujay 109  
 Prabhakar, Suhas 276  
 Prada, Angélica 295  
 Prado, Ariel 103, 104, 109, 173, 234, 252, 253  
 Prado, Carolina 234, 236  
 Prager, Sonja 250  
 Prajna, Lalitha 74, 149  
 Prakash, Gyan 156  
 Prakash, Pragya 248  
 Prapaipanich, Pitchaya 219  
 Prata, Tiago 61, 146  
 Preciado, Victor 273

Price, Kenneth 274, 275  
 Prieto, Fernando 86  
 Priglinger, Siegfried 156  
 Prockop, Darwin 113  
 Przybek, Joanna Natalia 293, 294  
 Pulido, Daniela 173, 183, 192, 210, 215  
 Pyott, David 83

## Q

Qiu, Mary 198  
 Quadrado, Maria Joao 96  
 Que, Christian 248  
 Queguiner, Frederic 154  
 Quevedo, Jonathan 231  
 Quezada, Carlos 64  
 Quiñónez, Wilehaldo 244, 248, 249, 250, 270  
 Quintana, Daniela 227, 246, 283  
 Quiros, Peter 101, 128, 181  
 Quiroz, Hugo 68, 79, 105, 117, 168, 192  
 Quiroz, Natalia 279  
 Quispe, Janneth 235  
 Qureshi, Babar 83, 164  
 Qutub, Mohammed 254, 256

## R

Raak, Peter 215  
 Rabiū, Muhammad 118, 142  
 Rabsilber, Tanja 158  
 Radecka, Liga 285  
 Radhakrishnan, Shanthi 201, 256, 264  
 Rafii, Maryjane 218  
 Ragauskas, Arminas 235  
 Rahmani, Safa 291  
 Rahman, Mir 220  
 Rahmathullah, Raheem 143  
 Raichura, Nirav 111, 259  
 Raihan, Abu 80, 119, 157, 197  
 Raiji, Veena 211  
 Rajab, Ghada 218  
 Rajagopal, Rama 188, 221, 253  
 Rajan, Mohan 64, 90, 166, 272  
 Raje, Dhananjay 230  
 Rajendran, Anand 112, 156, 159, 160, 201  
 Raj, Surishti 235, 236  
 Ramachandran, K 156  
 Ramakrishnan, Vivekanandan 260  
 Ramamurthi, Saraswathi 276  
 Ramamurthy, Chitra 189, 201  
 Ramamurthy, Shreyas 189  
 Raman, Rajiv 278  
 Ramasamy, Kim 80, 154, 156, 201  
 Ramazanov, Kamilla 282  
 Ramezani, Alireza 278, 279, 282, 283, 291  
 Ramírez, Abel 86  
 Ramírez, Armando 244  
 Ramírez, Arturo 63, 67, 76, 107, 111, 112, 121,



- 156, 171, 193, 195, 199, 218,  
222, 225, 232, 271, 272
- Ramírez, Henry Alberto 111, 112
- Ramírez, Joel 270
- Ramírez, Juan 273, 284
- Ramírez, Juan Abel 74, 79, 93, 159, 273, 282
- Ramírez, Karla 271
- Ramírez, Laura 233
- Ramírez, Lorena 110, 284
- Ramírez, Manuel 190, 193, 222, 224
- Ramírez, Marco 254
- Ramírez, Marina 103, 148, 179
- Ramírez, Martha 192, 268
- Ramírez, Paulina 232, 277
- Ramírez, Tito 190
- Ramos, Ángeles 237
- Ramos, Myriam 232
- Ramos, Nallely 105, 126, 188, 190, 218, 222,  
224, 225, 256
- Ramulu, Pradeep 141
- Randleman, J. Bradley 65, 144, 176, 182
- Rangarajan, Viji 261
- Rangel, Carlos 295
- Rangel, Martha 102
- Rangel, Vianey 216
- Rao, Aparna 108, 134, 233
- Rao, Gullapalli 83, 88, 97, 124, 139, 170, 187
- Rao, Harsha 276
- Rao, Krishna 212, 228
- Rao, Lavanya 212, 228
- Rao, Narsing 124
- Rao, Raksha 112
- Rashed, Ayman 221
- Rasool, Sana 276
- Rasulzade, Zlata 227
- Rathi, Manisha 236
- Rathod, Jyoti 111
- Ratnalingam, Vanitha 105
- Ratnapalan, Savithiri 264
- Raus, Peter 258
- Raveendran, Allen 221, 269, 277, 283
- Raya, Diana 271
- Razhko, Yuliya 211, 234
- Razo, Juan 157, 194
- Raz-Prag, Dorit 276
- Razzaghi, Mohammadreza 278
- Razzaq, Lubna 201
- Realini, Anthony 89
- Reategui, Guillermo 137
- Rebolledo, Erick 292
- Rebollo, Fernanda 262
- Rebrikov, Sergey 195
- Recalde, Sergio 109
- Recillas, Claudia 86, 94, 198, 290
- Reddy, Ashvini 121
- Reeves, Barnaby 155, 197, 198
- Regatieri, Caio 165
- Reger, Roxanne 113
- Reichart, Silvia 282
- Reinstein, Dan 195
- Reisman, Charles 235
- Reiter, Austin 226
- Reiter, Nicholas 109
- Rendón, Álvaro 183
- Reñones, Josefina 240
- Ren, Q 82
- Rens, Ger 83, 132, 174, 182
- Renteria, Nancy Paulina 223
- Repka, Michael 134
- Repk, Michael 135
- Resnikoff, Serge 88, 130, 138, 142, 163, 164,  
181, 197
- Restori, Marie 283
- Restrepo, Carlos 96, 131, 137
- Reuschel, Anna 209
- Revelo, Mario 224
- Reyes, Abelardo Rodríguez 251
- Reyes, José 253
- Reyes, Juliná 151
- Rey, Marco 96
- Reynoso, Rubén 152
- Rezaei, Kourous 82, 186
- Ribeiro, Filomena 96
- Richard, Gisbert 130, 136
- Ricur, Giselle 75, 79
- Riddering, Anne 174
- Riega, Janett 201
- Ríos, Carlos 239
- Ríos, Dolores 96, 111, 198, 256
- Ríos, Nadia 236, 237
- Ríos, Reinaldo 211
- Ríos Y Valles, Dolores 251, 257
- Rispoli, Marco 69
- Riss, Isabelle 108, 238
- Ritch, Robert 65, 81, 95, 127, 132, 137, 146, 147, 187
- Rittenhouse, Kay 197
- Riva, Liliana 103
- Rivera, David 79, 149, 196, 199
- Rivera, Dirce 262
- Rivera, Gerardo 242, 278
- Rivera, Lilia 176
- Rivera, Lucía 266
- Rivera, Roxana 121
- Rivero, Leticia 219
- Rivodó, María 216
- Rizk, Akmal 265
- Rizzo, Stanislao 254
- Roberts, Gavin 266
- Robledo, Violeta 137
- Robles, Araceli 151
- Robles, Atzin 100, 109, 113, 158, 252, 258
- Roca, José 117, 134, 137, 186
- Rocha, Guillermo 106, 151, 171, 177, 218
- Rodrigues, Eduardo 112
- Rodriguez, Abelardo 96, 111, 113, 165, 198, 242,  
248, 256, 257, 259





- Rodríguez, Adolfo 149, 215, 225, 257  
 Rodríguez, Alejandra 156  
 Rodríguez, Alejandro 86, 105, 113, 199, 220, 235, 290  
 Rodríguez, Amairani 275  
 Rodríguez, Ana 111, 112, 113, 156  
 Rodríguez, Brenda 232, 253  
 Rodríguez, Carla 102  
 Rodríguez, Carlos 109, 214, 223  
 Rodríguez, Francisco 87, 93, 134, 180, 285, 294  
 Rodríguez, Héctor 198, 256  
 Rodríguez, José Luis 85, 86, 174, 196, 279  
 Rodríguez, Josué 105, 188  
 Rodríguez, Julio 276  
 Rodríguez, Leslie 157, 238  
 Rodríguez-Loaiza, José Luis 231  
 Rodríguez, Lourdes 113, 262  
 Rodríguez, Luvia 248, 274  
 Rodríguez, Luz 275  
 Rodríguez, María 194  
 Rodríguez, Mariana 194  
 Rodríguez-Martínez, Héctor 251  
 Rodríguez, Mauricio 155  
 Rodríguez, Nubia 113  
 Rodríguez, Patricia 290  
 Rodríguez, Patricio 284  
 Rodríguez, Paulina 291  
 Rodríguez-Sixtos, Fernando 210, 214  
 Rodríguez, Verónica 259  
 Rodríguez, María 182, 265  
 Rodríguez, Rocío 192  
 Rogers, Chris 155, 198  
 Rohatgi, Jolly 113  
 Roider, Johann 82  
 Roig, Enrique 94, 245, 246, 269, 274, 275, 280, 283  
 Rojanapongpun, Prin 138, 165  
 Rojas, Araceli 106, 158, 282, 284  
 Rojas, Sergio 168, 173, 273, 282, 284  
 Rojo, Dalia Marylin 222, 224, 256  
 Román, Alejandro 200  
 Romano, André 165  
 Rombach, Michiel 214  
 Romero, Fátima 196, 277, 284  
 Romero, Lourdes 266  
 Romero, Rosa 196  
 Romero, Verónica 242, 253, 276, 277, 278, 279, 280, 291  
 Romo, Carlos 157, 236  
 Romo, Efraín 128, 210, 223, 238, 244, 248, 249, 250, 270, 275  
 Rootman, Daniel 135, 175  
 Rosales, Camelia 240  
 Rosales, José 159, 284  
 Rosario, Catalina 158  
 Rose, Geoff 185  
 Rose, Kathryn 61  
 Rosenblatt, Mark 63, 176, 182  
 Rosenfeld, Eldar 237  
 Rosen, Richard 69  
 Rosman, Mohamad 193  
 Roy, Avik 108  
 Roy, Pankaj 282  
 Rozot, Pascal 129, 135  
 Rubalcava, María 212  
 Rubio, Bárbara 157  
 Rubio, Rosa 67, 113, 188, 261  
 Rudolph, Günther 265  
 Rudolph, Megan 211  
 Rueda, Juan 84, 143, 157, 178, 179  
 Rufino, Fernando 159  
 Ruíz, Ana Raquel 249, 268  
 Ruíz, Ángel 262  
 Ruíz, Gabriela 110  
 Ruíz, Humberto 73, 79, 86, 94  
 Ruíz, Jaime 216  
 Ruíz, Jesús 198  
 Ruíz, José 245  
 Ruíz, Matilde 86, 94  
 Ruíz, Narly 106, 112, 136, 272  
 Ruíz, Ricardo 113  
 Ruíz, Sara Lichi 196, 277, 284  
 Ruíz, Sergio 173  
 Runciman, Jim 182  
 Rupenthal, Ilva 109  
 Ryabina, Marina 282
- ## S
- Saad, Maira 103  
 Saakyan, Svetlana 111, 254, 263  
 Saatci, Ali Osman 274  
 Saboya, Martha 118  
 Sachdeva, Sumit 236  
 Sachdev, Gitansha 195  
 Sachdev, Mahipal 195  
 Sachdev, Ritika 153, 195  
 Sachs, Helmut 82, 199, 200  
 Sadiq, Salman 230  
 Saeed, Ahmed 267  
 Sáenz De Viteri, Manuel 93, 109, 117, 151, 226  
 Saha, Dhrubojyoti 230  
 Saheb, Hady 95, 105  
 Sahin, Afsun 169, 283  
 Şahin, Özlem 288  
 Sahoo, Chandra 201, 246  
 Saito, Shiro 235  
 Sakamoto, Taiji 172  
 Salamanca, mar 188  
 Salas, Daniel 212  
 Salazar, Alberto 100, 264  
 Salazar, Jessica 284  
 Salazar, Pedro 83, 113  
 Salazar, Sandra 111, 113, 261, 264  
 Salcedo, Guillermo 84, 113, 120, 184, 188, 248, 253, 260, 262  
 Salcedo, Hugo 267, 275  
 Saldarriaga, Lukas 157, 238



- Saleh, George 81  
 Salehipour, Masoud 280  
 Saleh, Solin 198  
 Sales, Marco 106  
 Salgado, María José 251  
 Salim, Sarwat 188  
 Salinas, Rogelio 289  
 Salinas, Samantha 230  
 Sallam, Ahmed 154  
 Salleh, Mohd Zaki 236  
 Salmanova, Sevinj 200  
 Salvatierra, Jesús 146  
 Sambandhamoorthy, Venkat 131  
 S, Ambika 245  
 Sampat, Venkatadri 289  
 Samudio, Margarita 256  
 Sanabria, Rosa 256  
 Sánchez Fontán, Rafael 84  
 Sánchez, Francisco 155, 201, 271  
 Sánchez, Juan 137  
 Sánchez, María 240  
 Sánchez, Raquel 99, 130  
 Sánchez, Ronald 225  
 Sánchez, Valeria 67, 105, 117, 188, 218, 221, 222, 223, 224, 225, 272, 292  
 Sancho, Ligia 290  
 Sandoval, Alba 220  
 Sandoval, Armando 73, 168, 288  
 Sanjana, Elfride 233, 237, 269  
 Sanjari, Nasrin 200  
 Sankaridurg, Padmaja 131  
 Sanoja, Sandra 201  
 Santacruz, Concepción 67, 100, 136  
 Santello, Patricia 106, 258  
 Santhiago, Marcony 96  
 Santiago, Luis 292  
 Santos, Arturo 86, 94, 168, 192  
 Santos, Carmen 168, 292  
 Saraswathy, Sindhu 108  
 Sarmina, Judith 223  
 Sarnat-Kucharczyk, Monika 242  
 Sarnicola, Vincenzo 62  
 Sarrazin, Luis 84  
 Satirtav, Gunhal 285  
 Sato, Miho 134  
 Sato, Silvana 262  
 Sato, Tomoki 236  
 Satto, Larissa 228  
 Sauced, Laura Ray 221  
 Saucedo, Adriana 282, 284  
 Saucedo, Laura Ray 221, 223, 242, 268, 283  
 Sauerbrey, Mauricio 118  
 Sauer, Theodor 250, 266  
 Saw, Seang Mei 119, 156  
 Saxena, Manik 110  
 Saxena, Manish 286  
 Saxena, Neha 158, 286  
 Sayyed, Amal Al 67  
 Scanlon, Peter 80  
 Schaal, Shlomit 110, 117, 189  
 Schachat, Andrew 169  
 Schaefer, Tania 133, 138  
 Schbib, Vanina 157  
 Scheffler, Amy 141  
 Schellini, Silvana 228, 251, 262  
 Schindler, Reid 281  
 Schlefer, Amy 100  
 Schlottmann, Patricio 83, 94  
 Schlötzer, Ursula 147  
 Schmetterer, Leopold 145, 187  
 Schmidt-Erfurth, Ursula 250  
 Schmidt, Jörg 274  
 Schmidt, Ursula 133, 136  
 Scholda, Christoph 250  
 Scholtz, Sibylle 227  
 Schoonewolff, Fernando 275  
 Schrader, Wolfgang 76, 81  
 Schramm, Alexander 76  
 Schulze, Stephan 274  
 Schuman, Joel 77, 145  
 Schwartz, Sharon 200  
 Schwartz, Steve 86, 168  
 Schweitzer, Cedric 144, 145  
 Schweitzer, Dietrich 286  
 Ścieżyńska, Aneta 281  
 Scott, Andrew 139  
 Scott, Lauren 155, 198  
 Scotto, Riccardo 236  
 Sebiloane, Sydney 155  
 Seddon, Johanna 90, 109  
 Seevaratnam, Rajini 248  
 Segura, Ivonne 194  
 Seiler, Theo 65, 67  
 Seino, Taro 286  
 Seitz, Berthold 88  
 Sekhar, G. Chandra 138  
 Sekiryu, Tetsuju 155  
 Selvakumar, Ambika 200  
 Semanyenzi, Eugene 214  
 Senft, Susan 154, 217  
 Sengupta, Jayangshu 105  
 Sen, H. Nida 75, 80, 121  
 Sen, Parveen 157, 188, 278  
 Seo, Jong Mo John 82  
 Seong, Gong Je 240  
 Sepúlveda, Héctor 295  
 Sepúlveda, Hugo Ernesto 275  
 Seregard, Stefan 119, 130, 136, 183  
 Sergott, Robert 280  
 Sermet, Figen 281  
 Serna, Carlos 218  
 Serna, Juan Carlos 198, 199, 231, 232, 244  
 Serra, Alicia 78, 79  
 Serrano, Paula 279  
 Serrano, Andrés 213  
 Sevinc, Koray 282



- Seyfoddin, Ali 109  
 Seymenoğlu, Göktuğ 219, 276  
 S, Gayatri 269  
 Shaarawy, Tarek 66  
 Shafer, Brian 195  
 Shaffer, James 157  
 Shafi, Shazia 274  
 Shah-Desai, Sabrina 120  
 Shaheen, Mohamed Shafik 67, 227  
 Shahid, Muntasir Bin 227, 232, 262  
 Shahid, Wasek Bin 232, 262  
 Shah, Mehul 159  
 Shah, Shreya 159  
 Shah, Syed Nasir 276  
 Shambra, Sergiy 282  
 Shams, Fatemeh 159  
 Shamsi, Farrukh 263  
 Shapiro, Howard 155  
 Sharafetdinov, Ilias 247  
 Sharifipour, Farideh 278  
 Sharkawi, Eamon 148  
 Sharma, Ash 107  
 Sharma, Ashish 154, 156  
 Sharma, Namrata 64, 102, 126, 198, 216  
 Sharma, Savitri 107, 149, 251  
 Sharma, Tarun 278  
 Shatalova, Ekaterina 234  
 Shatnawi, Raed 269  
 Sheffield, Victoria 103, 133  
 Sheheitli, Huda 292  
 Shemesh, Gabi 237  
 Sheplock, Rebecca 200  
 Sheth, Siddharth 232  
 Sheu, Shwu Jiuan 68, 94  
 Shieh, Eric 248  
 Shields, Carol 104, 107, 118, 123, 151, 187, 198  
 Shields, Jerry 104, 107, 151, 187, 198  
 Shimiz, Kimiya 210  
 Shimomura, Yoshikazu 133, 216  
 Shimura, Masahiko 126  
 Shkvorchenko, Dmitry 247  
 Shokida, Felisa 268  
 Shpak, Alexander 247  
 Shriver, Erin 66, 231  
 Shroff, Ashokkumar 158  
 Shukla, Bhartendu 193, 194  
 Siaudvytyte, Lina 235  
 Siddiqui, Sorath 266  
 Sieminski, Sandra Fernando 90  
 Sieving, Pamela 156  
 Sifuentes, Sergio 275  
 Sifuentes, Sonia 257  
 Sigford, Douglas 110  
 Sihota, Ramanjit 172  
 Sikder, Shameema 226  
 Silva, Alejandro 237  
 Silva, Ariadna 245  
 Silva, Cristina 222  
 Silva, Janet 109, 159  
 Silva, Juan 88, 103, 142, 143, 163, 169, 181, 197, 199, 250  
 Silva, Juan Carlos 132  
 Silva, Luis 145, 178  
 Simader, Christian 250  
 Simavli, Huseyin 248  
 Simonov, Aleksey 214  
 Simpson, Rand 177  
 Singer, Michael 155  
 Singh, Ankur 199, 200, 236  
 Singh, Anuraag 230  
 Singh, Arun 92, 119, 130, 169, 176, 185, 187  
 Singh, Inder 197  
 Singhi, Shipra 252  
 Singh, Jatinder 156, 201  
 Singh, Kuldev 89, 100  
 Singh, Ramandeep 199, 200  
 Singh, Raminder 289  
 Singh, Rooshitha Bejan 158  
 Singh, Sanjana Bejan 158, 160  
 Singh, Sarbjit 64  
 Sinha, Rajesh 159, 216  
 Siringo, Frank 169  
 Sitorus, Rita 64  
 Siu, Dunia 275  
 Sizmaz, Selcuk 230  
 Sjöholm, Carlos 283  
 Sloper, John 73, 135  
 Smit, Derrick 257  
 Smith, Earl 61  
 Smithen, Lindsay 211  
 Smith, Heather 266  
 Smith, Justine 74  
 Sobaci, Gungor 282  
 Soberón, Vidal 249, 284  
 Sobol, María 222  
 Sobrin, Lucía 124  
 Soheilian, Masoud 275, 278, 280, 282, 291  
 Soheilian, Roham 282  
 Sohn, Elliott 154  
 Solano, Paolo 257, 264  
 Soleyman-Jahi, Saeed 272  
 Solis, Cyntia 109, 212  
 Solomon, Anthony 118  
 Solorio, Ana 255  
 Solorio, Fernando 173, 215  
 Sommer, Alfred 142  
 Song, Hui 158  
 Soni, Malhar 105, 107, 153  
 Sonty, Sriram 237, 257  
 Sophie, Keyserling 241  
 Soria, Carmen 274, 275  
 Soria, Felipe 156, 195  
 Soriano, Eduardo 144, 166, 183  
 Sosa, Georgina 109  
 Soto, Anel 201



- Soto, Marco Antonio 78  
 Sousa, Carlos 85  
 Sousa, David 156, 228  
 Souza, Acacio 112  
 Soylu, Merih 229  
 Spivey, Bruce 127, 139  
 Sprunger, Derek 93, 266  
 S, Rajkumar K 156  
 Srinivasan, Bhaskar 253  
 Srinivasan, Vivek 248  
 Srinivas, Singaram 224  
 Srivastava, Samaresh 291  
 Stachs, Oliver 241  
 Staines, Eleonora 141  
 Stamatiou, Polyxeni 112  
 Stamper, Robert 137  
 Stankovic, Branislav 163  
 Staurengi, Giovanni 160  
 Stavrakas, Panagiotis 112  
 Stawiński, Piotr 281  
 Stea, Baldassarre 281  
 Stegmann, Robert 108  
 Stein, Joshua 89  
 Stein, Ran 112  
 Stepanov, Alexey 195  
 Stepanova, Mariya 193  
 Sternberg, Paul 87  
 Stevenson, Marcelo 235  
 Sthapak, Arpita 230  
 Stieger, Knut 156  
 Stock, Eileen 113  
 Stodulka, Pavel 155  
 Stoilov, Ivaylo 155, 159, 197  
 Stout, J Timothy 154  
 Strauss, Glenn 130, 131, 143, 198  
 Struck, Michael 128, 159  
 Strupaite, Rasa 244  
 Stulting, Andries 181  
 Suárez, Mayra 244, 245  
 Suárez, Raúl 66  
 Subaşı, Cansu 239  
 Subramaniam, Saranya 156  
 Subramanian, Prem 78, 101, 128  
 Sugiyama, Kazuhisa 81, 274  
 Suh, Donny 69, 150  
 Sükösd, Andrea 211  
 Sullivan, Timothy 61, 67, 129  
 Suman, Suwarna 252  
 Sumaroka, Alexander 200  
 Sun, Chunhua 195  
 Sundaramoorthy, Selva 156  
 Sundar, Gangadhara 61, 76, 231, 263  
 Sung, Mi Sun 108, 158  
 Sun, Grace 139  
 Sun, Jennifer 123  
 Suresh, Kalpana 221  
 Susanna, Remo 62, 63, 77  
 Sutton, Gerard 92, 100, 127, 129, 166  
 Suwan, Olan 219  
 Suzuki, Kaori 274  
 Suzuki, Toru 111, 125  
 Suzuki, Yukihiro 274  
 Suzuma, Kiyoshi 274  
 Svalbonaite, Egle 229  
 S, Vijay Kumar 259  
 S, Vinay Kumar 157  
 Swamy, Supraja 113  
 Swider, Malgorzata 200  
 Szaflik, Jacek 219, 238, 239, 281, 293, 294  
 Szaflik, Jerzy 222, 238, 239, 281, 293, 294  
 Szulborski, Kamil 281
- ## T
- Tachi, Naoko 197  
 Tagalakis, Aristides 234  
 Takahashi, Ayako 200  
 Takahashi, Masayo 77  
 Takahashi, Shizuka 274  
 Takane, Mariana 104, 173, 247, 248, 290  
 Takes, Ömer 274  
 Talavera, Paula 214  
 Taleb, Alexandre 142  
 Taleb, Eman Abo 292  
 Talero, Sandra 270  
 Tamayo, Gustavo 78, 135  
 Tamez, Verónica 289  
 Tammara, María Agustina 279  
 Tanabu, Reiko 274  
 Tanaka, Chika 278  
 Tandogan, Tamer 158, 270  
 Tan, Ellen Shaoying 78, 137, 200, 234, 245  
 Tanev, Iván 65, 214  
 Tang, Xin 209, 240  
 Tanihara, Hidenobu 236  
 Tan, James 108  
 Tan, Johnson 273  
 Tan, Min-Han 252  
 Tantawy, Waleed 77, 172  
 Tapia, Israel 253  
 Tapia, Paulo 111  
 Tartak, Dalel 154, 217  
 Tartak, María 154, 217  
 Tassignon, Marie-José 90, 97, 150, 151, 171, 172  
 Tataru, Calin 223  
 Tatsios, Janina 260  
 Tatskov, Robert 263  
 Taylor, Hugh 119, 138, 163, 180  
 Taylor, Jodi 198  
 Tazartes, Michel 175  
 Tazi, María 175  
 Tchah, Hungwon 144  
 Teh, Lay 236  
 Tehrani, Nasrin 168, 294  
 Tejeda, Guadalupe 252, 255, 258  
 Teke, Mehmet 230



- Tekin, Kemal 281  
 Tello, Alejandro 109, 213, 214, 216, 221, 223, 224, 243, 295  
 Teng, Christopher 61, 172  
 Teng, Mei-Ching 287  
 Tenorio, María Guadalupe 291  
 Teo, Livia 258  
 Tepalcingo, Lisette 247, 258  
 Terán, Alfredo 222, 223  
 Terasaki, Hiroko 159  
 Terelak, Barbara 244  
 Terk, Nigel 194  
 Termote, Karolien 110  
 Tezel, Tongalp 189  
 Thaker, Riddhi 247  
 Tham, Clement 61, 138, 165, 195, 234  
 Thanathanee, Onsiri 219  
 Thangaraj, Sunil 152  
 Thanos, Solon 295  
 Thatte, Shreya 199, 217  
 Theodossiadis 112  
 Thirumalairaj, Kannan 201  
 Thompson, Vance 155  
 Thouvenin, Dominique 73  
 Tigari, Basavaraj 235  
 Timms, Chris 73  
 Tirado, Marisol 220  
 Titiyal, Jeewan 64, 102, 159, 192, 216  
 TJTP, Van Den Berg 62  
 Toker, Ebru 177, 178  
 Toledo, Ana Beatriz 254, 256, 287  
 Toledo, Juan José 158, 192, 196, 236, 279  
 Toledo, Rosana 194  
 Tolosa, Paulina 212  
 Tomita, Goji 78  
 Topete, Jorge 240  
 Toro, Alma Del 213  
 Torrado, Laura Andrea 245  
 Torres, Adolfo 257  
 Torres, Eduardo 73  
 Torres, Elisa Nieto 223  
 Torres, Jaime 205  
 Torres, Marco Antonio 278, 283  
 Torres, Ricardo Fernando 194  
 Touboul, David 78, 127  
 Tourkmani, Abdo Karim 223, 224  
 Tourneau, Christophe Le 131  
 Tousi, Adib 275  
 Tovilla, José Luis 63, 66, 135, 175, 184, 188, 255, 257, 259, 260, 262, 264  
 Traboulsi, Elias 75, 123, 168, 174  
 Tran, Uyen 195  
 Traverso, Carlo Enrico 61, 236  
 Treviño, Ezequiel 267, 279, 289  
 Treviño, Hugo 158, 196, 236, 279  
 Treviño, María Del Carmen 225  
 Trigo, Miguel 96  
 Trigo, Ricardo 128, 173, 190  
 Trollip, Jessica 157  
 Tsai, Linda 139  
 Tsikata, Edem 248  
 Tsoukanas, Dimitrios 112  
 Tsuchiya, Shunsuke 274  
 Tsuji, Hideki 252  
 Tsujikawa, Motokazu 175  
 Tsukiyama, Junko 126, 216  
 Tsunoda, Kazushige 275, 277  
 Tsurumaru, Naoshi 111  
 Tucker, Nancy 177  
 Tu, Elmer 103, 107, 153  
 Tueme, Danilo 277  
 Tufek, Melek 230  
 Tu, Kyaw Lin 224  
 Tuomi, Lisa 154, 155  
 Turati, Mauricio 84, 85, 108, 153, 157, 172  
 Turbin, Roger 194  
 Turhan, Semra 217  
 Türker, Ibrahim 251  
 Tusscher, Marcel 195  
 Tutkun, Ilknur Tugal 290  
 Tzamalís, Argyrios 225
- ## U
- Ucakhan, Omur 172  
 Ucar, Didar 279, 290  
 Udhay, Priti 111  
 Uji, Akihito 274  
 Uliasz, Anna 222  
 Ulloa, Jan 256  
 Ulusoy, Mahmut Oğuz 251  
 Umanets, Nicolay 253  
 Unlu, Burak 277  
 Unzueta, José Antonio 86  
 Urdapilleta, Mariana 291  
 Urdapilleta, Roxana 151  
 Urgacz-Lechowicz, Agnieszka 213  
 Urías, Betsabé 242, 253, 276, 277, 278, 280, 291  
 Uribe, Yvette 225  
 Urieta, Anallely 113, 253, 260, 261, 262, 263  
 Urióstegui, Andrés 210  
 Urquiza, Karent 293, 295  
 Urretz, Julio 93  
 Urrutia, Ingrid 173, 192  
 Urzúa, Pablo 212, 238, 264  
 Usmanov, Rustam 253  
 Usubov, Emin 159, 193  
 Uzun, Özgür 251



## V

- Vadas, Marcelo Gaal 91  
 Vagefi, M. Reza 81, 120  
 Vaidya, Harshit 245, 259  
 Vajaranant, Thasarat 149  
 Vajpayee, Rasik 198  
 Valcarce, Laura 214  
 Valdés, Adriana 192  
 Valdés, Carlos Andrés 235, 242  
 Valdés, Gerardo 240  
 Valdés, Jorge 136  
 Valdéz, Adriana 104  
 Valdéz, Edna 271  
 Valdez, Eduardo 277  
 Valdéz, Jorge 143, 172, 173, 176, 181, 247, 273  
 Valdéz, María Teresa 158, 291, 293  
 Valdéz, Vilma 241  
 Valeina, Sandra 79, 267  
 Valenzuela, Alejandra 61, 67  
 Valiente, Francisco Javier 295  
 Valizadeh, Mojtaba 282  
 Valle, Javier del 180  
 Valskiy, Vladimir 252, 254  
 VanMeter, Woodford 88  
 Vanniarajan, Ayyasamy 201  
 Vargas, Dulce 248  
 Vargas, Gonzalo 164  
 Vargas, Jessica 93, 194, 265  
 Vargas, José Ricardo 173  
 Vargas, Laura Elizabeth 142  
 Varma, Deepali 277  
 Varma, Devesh 95  
 Varma, Rohit 66  
 Varm, Devesh 105  
 Varón, Diana 93  
 Vasavada, Abhay 93, 100, 101, 144, 150, 166, 187, 189  
 Vasconcelos, Galton 61  
 Vashist, Praveen 133  
 Vásquez, Carlos 212, 279, 291  
 Vásquez, Fitha 267  
 Vassileva, Petja 97, 139  
 Vasudevan, Sushil 139, 233, 236  
 Vázquez, Miguel 242, 253, 276, 277, 280, 291  
 V, Divakar G 265  
 Vedula, S. Swaroop 226  
 Végh, Mihály 156  
 Vejarano, L. Felipe 100, 110, 144, 166  
 Velasco 104  
 Velasco, Adriana 219, 221, 245, 267, 268  
 Velasco, Antonio 68  
 Velasco-Barona, Cecilio 268  
 Velasco, Cecilio 62, 136, 173, 192, 248  
 Velasco, Regina 112, 148, 219, 220, 270, 271  
 Velásquez, Gabriel Frederick 213  
 Velazco, Jorge 112  
 Vélez, Federico 93, 128, 266  
 Vélez, Mauricio 131  
 Velez, Raúl 77  
 Vemuganti, Geeta 123  
 Venegas, Erving 113, 261  
 Venkatapathy, Narendran 157  
 Venkat, Arthi 211  
 Ventura, Bruna 146, 166, 170, 183  
 Ventura, Camila 137  
 Ventura, Liana 132  
 Ventura, Marcelo 170  
 Verdaguer, Juan 79, 122, 143  
 Verduzco, Joaquín 227  
 Vergara, María Elena 227, 246, 249, 283  
 Verity, David 61, 81, 185  
 Viaña, Victor 109  
 Victor, Gustavo 96  
 Vidal, Rodrigo 164  
 Vidal, Rosana 104, 192  
 Viestenz, Arne 75, 80, 81, 132  
 Vijay, Lekshmi 111, 264  
 Vila, Natalia 287  
 Vilaplana, Daniel 74, 196  
 Villafuerte, Rocío 230, 242  
 Villagómez, German 221  
 Villalobos, Josefina 248  
 Villalobos-Ojeda, Josefina Cynthia 250  
 Villamil, Karla Herrerías 223  
 Villanueva, Cristina 74, 109, 168, 174, 230, 242  
 Villanueva, Guillermo Salcedo 168  
 Villanueva, Miguel 110  
 Villarejo, Antonio Remolina 108  
 Villar, Julieta 275  
 Villarreal, Antonio 290  
 Villarreal, César 277  
 Villarreal, Donaldo 221  
 Villarreal, Gerardo 198, 201, 226  
 Villarreal, José 216  
 Villarreal, Pablo 157  
 Villarreal, Rogelio 157  
 Villar, Victor 93  
 Villaseñor, Arcelia Del Rocío 248  
 Villaseñor, Emma Teresa 123, 223, 241, 242, 249, 268, 275, 283  
 Villegas, Sandra 136  
 Villegas, Vanessa 285  
 Vinekar, Anand 133  
 Vinicio, Marco 151, 242, 266  
 Vipin, Anthony 75  
 Visser, Linda 64  
 Viswanathan, Anand 65  
 Vitelli, Carla 139  
 Viteri, Eduardo 165  
 Viteri, Viviana 253  
 Vitovska, Oksana 288  
 Vit, Valeriy 199  
 Vogt, Ursula 133  
 Volodin, Pavel 157  
 Voorduyn, Stephanie 86, 100, 106, 158, 291, 292, 293  
 Vural, Esra 282



Vu, Thuy 195

## W

Wady, Ben Jalel 269  
 Wagner, Sylwia 213  
 Waheed, Nadia 69, 82  
 Wakefield, Denis 292  
 Walkden, Andrew 209  
 Wang, Lei 245  
 Wang, Matthew 113  
 Wang, Ningli 65, 81, 125, 138, 179, 187  
 Wang, Ping 157  
 Wang, Pin-wen 159, 160  
 Wang, Ye 239  
 Wang, Ze 195, 265  
 Wang, Zheng 195  
 Wasyluk, Jaromir 244  
 Watanabe, Ken 275, 277  
 Weaver, Daniel 163  
 Weber, Bruce 108  
 Weinreb, Robert 66, 89, 108, 125, 184  
 Wei, Shi-Hui 200, 245, 246, 288  
 Weitz, Richard 69  
 Wellik, Sarah 289  
 Welschen, Daniela 194, 269  
 Wester, Sara 91  
 Whang, Woong-Joo 214, 224, 272  
 Wiedemann, Peter 209  
 Wiedemann, Renate 209  
 Wiggs, Janey 174  
 Wilensky, Jacob 149  
 Wilhelm, Barbara 109, 288  
 Willcox, Mark 126  
 Wilson, Edward 91, 92, 123, 128  
 Wilson, Matthew 123  
 Wirostko, Barbara 63, 218  
 Wladis, Edward 91, 113, 201  
 Wong, Ian 290  
 Wong, Kelvin 276  
 Wong, Mandy 108  
 Wong, Tien 156  
 Wong, Wendy 252  
 Won, Jae Yon 113  
 Wood, John 109  
 Woo, Sang 158  
 Woo, Victor 195  
 Wormald, Richard 199  
 Wozniak, Piotr 219  
 Wu, Lihteh 68, 79, 87, 105, 107, 117, 123, 134, 165, 169, 176, 180  
 Wu, Min 199, 279  
 Wu, Pei-Chang 61, 287  
 Wu, Zhifeng 283  
 Wykoff, Charles 87, 160

## X

Xanthopoulou, Paraskevi 112  
 Xia, Bo 195, 265  
 Xuan, Le 195, 267  
 Xue, Na 265  
 Xuguang, Sun 165, 171  
 Xu, Quangang 200

## Y

Yaacov, Fernando 124  
 Yadarola, María 99  
 Yagmur, Meltem 220  
 Yagmurova, Maya 159  
 Yahia, Salim Ben 160, 287, 293  
 Yalçındağ, Nilüfer 213, 292  
 Yamakawa, Ryoji 111  
 Yamamoto, Akiko 155  
 Yamamoto, Tetsuya 81, 134, 148, 165, 239  
 Yamane, Takahiro 294  
 Yamashiro, Kenji 183, 200  
 Yanagisawa, Mieko 243  
 Yang, Hee Kyung 246, 268  
 Yang, Heon 155  
 Yang, Qi 235  
 Yang, Suk Woo 260, 263  
 Yang, Xun 229  
 Yang, Ya-Yun 291  
 Yano, Shinsaku 278  
 Yarovoy, Andrey 111  
 Yarra, Sowjanya 111, 156  
 Yaseri, Mehdi 200, 278, 291  
 Yasuno, Yoshiaki 187  
 Yates, William 292  
 YE, Cong 195  
 Yee, Juan 227  
 Yee, Mariano 142  
 Yeh, Steven 74  
 Yeung, Aaron 284, 292  
 Yeung, Ian 290  
 Yeung, Sonia 153  
 Yilmaz, Gursel 126, 177, 286, 287  
 Yilmaz, Sami 112  
 Ying, Gui Shuang 157  
 Yin, Vivian 81, 99  
 Yiu, Samuel 121  
 Yoo, Sonia 67, 101, 126, 146, 166  
 Yoshimura, Nagahisa 200  
 Yoshitake, Shin 274  
 Young, Stephanie 263  
 Young, Terri 156, 186  
 Yousef, Yacoub 198  
 Yücel, Ahmet Ali 231  
 Yucel, Yeni 63  
 Yuen, Hunter 68  
 Yu, Hyeong Gon 69, 169, 278  
 Yukhanova, Olga 247



Yusupov, Azamat 154  
Yu Wai Man, Cynthia 108, 234  
Yu Wai Man, Patrick 75, 78

## Z

Zabolotniy, Alexander 211  
Zadorozhnyy, Oleg 156, 200, 282  
Zafar, Andleeb 201, 288  
Zafar, Saemah 269  
Zagora, Sophia 292  
Zaichko, Kate 251, 268  
Zaidman, Gerald 78  
Zainullina, Nelly 193  
Zakiev, Zaur 290  
Zaldívar, Enrique 245, 246, 284  
Zaluski, Serge 136  
Zameni, Mahsa 291  
Zamora, Diego 212  
Zamora, Rocio 230  
Zaouali, Sonia 160, 287, 293, 294  
Zapata, Jaime 173  
Zapata, Valeria 158, 196, 236, 279  
Zarbin, Marco 97, 194, 197  
Zarei-Ghanavati, Siamak 86  
Zarei, Siamak 63, 76  
Zavadsky, Pavel 234  
Zavala, María 236  
Zavala, Rosa 291  
Zborovska, Oleksandra 292  
Zendejas, Lorena 111, 242  
Zengin, Mehmet 158, 233  
Zenteno, Juan 86, 110, 137, 157, 174, 186, 225,  
255, 279, 285  
Zepeda, Consuelo 192  
Zepeda, Luz 64, 103, 143, 157, 194  
Zepeda, Manuel 223, 283  
Zepeda, Miguel 241  
Zermeño, Alejandro 293  
Zhao, Chen 109, 110, 295  
Zhao, Jialiang 181  
Zhao, Junyang 187  
Zhao, Kanxing 119  
Zhao, Shuo 200  
Zhioua, Raja 213, 214  
Zhou, Huanfen 200, 245  
Zhou, Hui Fang 111  
Zhuang, Ai 263  
Ziakas, Nikolas 78, 79  
Ziemssen, Focke 287  
Zierhut, Manfred 75, 88, 122, 168  
Zina, Sourour 294  
Zografos, Leónidas 119, 144, 187  
Zoroquiain, Pablo 254, 256, 287  
Zuazo, Francisca 260, 262  
Zunt, Joséph 250







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