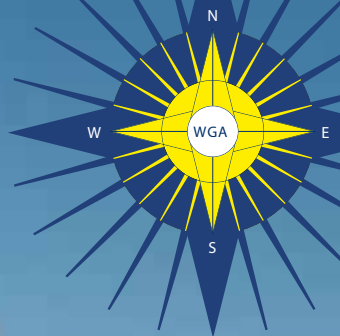


WORLD GLAUCOMA ASSOCIATION  
The Global Glaucoma Network



# 7<sup>th</sup> WORLD GLAUCOMA CONGRESS

JUNE 28 - JULY 1, 2017  
HELSINKI

[WWW.WORLDGLAUCOMA.ORG](http://WWW.WORLDGLAUCOMA.ORG)

ORGANIZED BY THGF



# **WORLD GLAUCOMA WEEK 2017 THANK YOU!**

World Glaucoma Week 2017 was a great success worldwide. With close to 500 activities registered on our website we are very grateful to all the participants!

# **WORLD GLAUCOMA WEEK 2018 March 11–17, 2018**

We have started preparations for World Glaucoma Week 2018 so keep an eye on our website and follow us via facebook or twitter!

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



# CONTENTS

<b>Welcome</b>	<b>3</b>
<b>Committees &amp; Boards</b>	<b>4</b>
<b>General Congress Information</b>	<b>5</b>
<b>WGC-2017 Online</b>	<b>10</b>
<b>About Helsinki</b>	<b>11</b>
<b>Recommendations by the Local Organizing Committee</b>	<b>13</b>
<b>Restaurants in the convention centre</b>	<b>15</b>
<b>CME Credits</b>	<b>16</b>
<b>Program at a Glance</b>	<b>18</b>
<b>Venue Map</b>	<b>29</b>
<b>Scientific Program per day</b>	<b>31</b>
- Wednesday June 28, 2017	32
- Thursday June 29, 2017	51
- Friday June 30, 2017	67
- Saturday July 1, 2017	83
<b>Enduring Materials</b>	<b>87</b>
<b>Poster Sessions</b>	<b>91</b>
<b>Poster Walks</b>	<b>92</b>
<b>Wetlabs Program</b>	<b>97</b>
<b>Other program details</b>	<b>99</b>
<b>Film Festival Program</b>	<b>101</b>
<b>Invited Faculty</b>	<b>103</b>
<b>The World Glaucoma Association</b>	<b>107</b>
<b>International Glaucoma Review</b>	<b>110</b>
<b>Industry Member Symposium Programs</b>	<b>113</b>
<b>Sponsors</b>	<b>119</b>
<b>Exhibition Floorplan</b>	<b>121</b>



## **Useful telephone numbers**

Registration Desk/Hotel Desk/Faculty Desk: +358 414941785

## **Disclaimer**

The World Glaucoma Association organizes the World Glaucoma Congress with the aim of providing education and scientific discourse in the field of glaucoma. The WGA accepts no responsibility for any products, presentations, opinions, statements or positions expressed by speakers at the congress. Inclusion of material in the scientific program does not contribute an endorsement by WGA.

Produced for the World Glaucoma Association (WGA) by Drukkerij Peters, Amsterdam, the Netherlands.

Typesetting: Drukkerij Peters, Amsterdam

Printed by: Next Print Oy, Helsinki

© 2017 World Glaucoma Association

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying or otherwise, without the prior consent of the copyright owners.



# WELCOME

On behalf of the Finnish Glaucoma Society, WGA Board of Governors and WGC-2017 Program Planning Committee, I warmly welcome you to the 7th World Glaucoma Congress in Helsinki. You are also warmly invited to celebrate the 20th Anniversary of Finnish Glaucoma Society. The year 2017 is particularly important for Finns and Finnish Ophthalmology. This is the year when we are celebrating the 100th Anniversary of our independence. This is also the 100th anniversary since young Finnish ophthalmologist John Lindberg published his thesis on exfoliation syndrome.

The Finnish Glaucoma Society will celebrate these Anniversaries by organizing a concert on Tuesday, June 27 at 5:30 pm in one of the most exciting touristic attractions in Helsinki, the Rock Church. The artists in the concert are leading young Finnish classic Trio Roozeman and our most famous six voice a capella ensemble Rajaton ("boundless"). Wednesday morning we will have our Finnish Glaucoma Society 20th Anniversary Symposium "Towards the Personalized Glaucoma Care". This Symposium is open for all WGC-2017 attendees.

Helsinki is a marvelous city with an interesting history, a location at the beautiful Gulf of Finland, an active cultural life, and interesting museums and restaurants. Helsinki will also give you opportunities to discover Finland more thoroughly, to enjoy the beautiful archipelago or to take a ferry to our neighboring countries with places like Tallinn, Stockholm, and St. Petersburg. We have done our best to select some of the best attractions and restaurants for you into the WGC-2017 website. We hope that you will find exciting experiences and pleasant moments during your visit in Helsinki.

I would like to wish you a scientifically interesting World Glaucoma Congress and personally enjoyable staying in Helsinki with us.

*Hannu Uusitalo, M.D., Ph.D., FEBO*

**Professor of Ophthalmology**  
**President of the Finnish Glaucoma Society**

							
T. Aung President	R.D. Fechtner Executive Vice-President	J. Crowston Chair	W. Nolan Co-chair	K.H. Park Co-chair	A. Sit Co-chair	I. Stalmans Co-chair	H. Uusitalo Chair Local Organizing Committee
Program Planning Committee							



# COMMITTEES & BOARDS

## **Organizing Committee:**

T. Aung (SG) & R.D. Fechtner (US)

## **Executive Committee**

T. Aung - President (SG), R. Fechtner - Executive Vice President (US), N. Gupta - External Affairs (CA), P. Healey - Treasurer (AU), J. Liebmann - Past President (US), K. Martin - President Elect (UK)

## **Board of Governors:**

G. Chandra Sekhar (ID), J. Crowston (AU), D. Friedman (US), F. Grehn (DE), P.T. Khaw (UK), F. Lerner (AR), S. Olawoye (NG), K.H. Park (KR), N. Pfeiffer (DE), T. Shaarawy (CH), K. Sugiyama (JP), C. Tham (HK), N. Wang (CN)

## **Program Planning Committee:**

J. Crowston (Chair) (AU), W. Nolan (Co-chair) (UK), K.H. Park (Co-chair) (KR), A.J. Sit (Co-chair) (US), I. Stalmans (Co-chair) (BE), S. Chakrabarti (IN), T. Dada (IN), C. Leung (HK), K. Mansouri (CH), M. Moster (US), L. Sakata (BR), N. Strouthidis (GR), C. Tham (HK), T. Wong (SG)

## **Local Organizing Committee:**

H. Uusitalo (Chair) (FIN), M. Harju (FIN), A. Heickell (FIN), M. Parkkari (FIN), P. Puska (FIN), A. Tuulonen (FIN), A. Vaajanen (FIN), E. Vesti (FIN)

## **Film Festival Committee:**

K.H. Park (Chair) (KR), T. Dada (IN), L. Sakata (BR), I. Stalmans (BE)

## **Grand Rounds Committee:**

W. Nolan (Chair) (UK), E. Blumenthal (IL), D. Friedmann (US), F. Lerner (AR), T. Sharaawy (CH)

## **Travel Grant Selection Committee:**

W. Nolan (UK)

## **Photo Exhibition Committee:**

T. Dada (IN)

## **Wetlab Committee:**

T. Shaarawy (Chair) (CH), Z. Khoueir (LB), C. Clement (AU), A. Khouri (US), M. Coote (AU)

## **Co-hosting Society**

Finnish Glaucoma Society



# GENERAL CONGRESS INFORMATION

## Venue

Messukeskus Helsinki, Expo and Convention Centre  
Messuaukio 1, 00520 Helsinki, Finland  
<http://messukeskus.com/>

## WGA Executive Office



Mariska van der Veen  
Executive General Manager



Sherwin Gentle  
Operations Manager



Irene Koomans  
Committee Liaison

### *Corresponding address:*

Schipluidenlaan 4, NL-1062 HE Amsterdam  
The Netherlands  
T: +31 (20) 570 9600  
E: [info@worldglaucoma.org](mailto:info@worldglaucoma.org)  
W: [www.worldglaucoma.org](http://www.worldglaucoma.org)

## Congress official entity

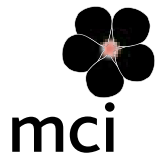
The Hippocrates Glaucoma Foundation (THGF)

### *Corresponding address:*

Schipluidenlaan 4, NL-1062 HE Amsterdam  
The Netherlands

## Congress Organizer

MCI Amsterdam B.V  
Schipluidenlaan 4  
NL-1062 HE Amsterdam  
The Netherlands  
T: +31 (20) 570 9600  
E: [wgc2017@mci-group.com](mailto:wgc2017@mci-group.com)  
W: [www.mci-group.com](http://www.mci-group.com)



### Registration desk - opening hours:

The registration desk is located at the Southern Entrance (Messuaukio 1) and will be open for registration and information according to the following time table:

Wednesday June 28	7.00 am - 6.30 pm
Thursday June 29	6.45 am - 6.30 pm
Friday June 30	7.00 am - 6.30 pm
Saturday July 1	7.45 am - 2.00 pm

### Onsite Congress Registration Fees

Participants	€ 800,-
Affiliated glaucoma society members	€ 800,-
Students	€ 200,-
Accompanying persons	€ 150,-
Wetlabs	€ 60,-
Workshops	€ 17,-

Finnish VAT is included in all congress registration fees (24%).

### Registration fee includes:

- Admission to all scientific and poster sessions
- Industrial Exhibition
- Congress Bag
- Abstract e-Book
- Presidential Symposium
- After congress access to the online WGA Educational Portal, which will provide you with the recorded 7th WGC-2017 highlights
- Daily coffee breaks from Wednesday, June 28, 2017 - Saturday July 1, 2017
- Complimentary Public Transport ticket valid for 4 days (Wednesday, June 28 - Saturday, July 1 2017)

### Accompanying Persons fee includes:

- Helsinki Highlights half-day Tour by bus & foot
- Complimentary Public Transport ticket valid for 4 days (Wednesday, June 28 - Saturday, July 1 2017)

*Please note that the fee for accompanying persons does NOT include admission to the scientific sessions and registration for accompanying persons is limited to a maximum of 2 accompanying persons per participant.*





## Payment

All payments must be made in Euro (€); no other currency will be accepted. Payments can be settled by credit card (Visa, MasterCard or AMEX) or cash.

## Hotel Reservations

For any enquiries on hotel reservations, please visit the MCI Hotel Desk staff at the Hotels/Groups desk in the Registration area.

## Cancellation and Refunds

We kindly remind you that cancellations of registrations, hotel reservations and social events were accepted only until May 15, 2017. No refunds are processed for cancellations received after May 15, 2017. For more information, please refer to the Registration Desk. In the event of no-show without any written notice, MCI reserves the right to cancel the hotel reservation. No-shows cannot be refunded. Any authorized refund will be made only after the end of the congress.

## Badges

All participants and accompanying persons will receive a name badge upon registration. You are kindly requested to wear your name badge at all times when attending any scientific session or network gathering. Only participants who are wearing their name badge will be admitted to the session rooms and exhibition area.

Please note: accompanying persons and exhibitors will not be admitted to the scientific sessions. Due to compliance rules in Finland, accompanying persons are not allowed to access the exhibit floor. Separate coffee and tea is available near the registration desk for accompanying persons.

Exhibitors should take note of the Pharmaceutical Compliance Rules applicable in Finland. The Organisers, nor WGC, nor the Messukeskus Convention Centre is deemed liable in case of failure to obey these Compliance Rules.

Name badges have been color-coded as follows:

Blue: Participant  
Green: Accompanying person  
Red: Faculty  
Yellow: Exhibitor  
Orange: Press  
Pink: Staff

The charge for replacement of a lost badge is € 50,-

## Certificate of Attendance

The Certificate of Attendance can be collected at the WGA booth as of Friday, June 30, 3.00 pm.



## **Insurance, Liabilities**

THGF and/or WGA have the right to alter or cancel the congress or any of the arrangements, timetables, plans or other items relating directly or indirectly to the congress without prior notice for any reason beyond their control. THGF, WGA and/or its Congress Organizer shall not be liable for any loss, damage, expenditure or inconvenience caused as a result of such alteration or cancellation.

The Congress Organizer (MCI Amsterdam) works as an agent on behalf of WGA. Neither the Congress Organizer nor WGA may be held responsible for any loss, injury or damage to any property, whatever the cause may be. Liability of persons and enterprises providing means of transportation or other services, however, remains unaffected.

It is recommended that participants obtain adequate cover for travel, health and accident insurance before they depart from their countries. WGA and the Congress Organizer cannot accept responsibility for personal injuries, or loss of, or damage to, private property belonging to the Congress participants and accompanying persons. Should, for any reason outside the organizers' control (including but not limited to acts of terrorism, extreme weather conditions and/or industrial action) the venue or speakers change, or the Congress be cancelled, the organizers will endeavor to re-schedule, but shall not be held responsible for any costs, damages or expenses incurred by registrants. If for any reason the organizers decide to make material changes to this event, they are not responsible for airfares, hotels or other costs incurred by registrants. The participant takes part in the event, all tours and trips at their own risk. Further, the organizers may not be held liable for any costs or damages incurred resulting from acts outside of their control including but not limited to force majeure, strikes and/or public manifestations whether this affects the Congress or registrants attendance. Only written arrangements are binding. Registration of a participant entails acceptance of these conditions.

## **Exhibition**

The exhibition area will be open at the following hours:

Wednesday, June 28	1.00 pm - 6.00 pm
Thursday, June 29	8.00 am - 6.00 pm
Friday, June 30	8.00 am - 6.00 pm
Saturday, July 1	8.00 am - 2.00 pm

The exhibition area can only be entered by wearing a badge.

## **Emergency number**

In case of any emergency that requires medical ambulance service, firebrigade, police or other emergencies, call 112 from any phone in Finland or your mobile.



## **Catering facilities**

Coffee will be provided to congress participants during coffee breaks.

During sponsored lunch symposiums, lunch will be offered only for those attending the session. Bars and restaurants serving food & drinks (at your own expense) are available at several spots in the convention centre and at the back of the exhibit hall.

## **Program Changes**

All programming screens next to the session rooms will be updated automatically, as well as the program in the congress app. The organizers cannot assume liability for any changes in the program due to external or unforeseen circumstances.

## **Lost and Found**

Lost and found materials can be brought to the registration desk.

## **Cloakroom and Luggage**

In the cloakroom you can leave your belongings. The cloakroom is located near the registration desk.

Opening hours:

Wednesday June 28: 7.00 am – 6.30 pm

Thursday June 29: 7.00 am – 7.30 pm

Friday June 30: 7.00 am – 7.30 pm

Saturday July 1: 7.00 am – 2.30 pm

## **Personal Data Scanning**

Participants may be asked by staff from industries at booths in the exhibition hall to provide their personal data through barcode scanning. This way, companies will obtain information about name, surname, country and e-mail address, on an individual, voluntary basis. Please do not allow scanning of your badge by industry representatives if you don't agree. Neither the WGA nor MCI will release your data to other individuals, companies, or institutions, but they will be used only for WGA communication and updates.



# WGC-2017 ONLINE

## Internet Access

Wireless internet is offered to all delegates.  
No username or password is required.



## Online Abstract E-Book

Abstracts are offered via the online abstract e-book and via USB stick. No hard copies of the abstract book are available anymore. Please visit the congress website to download the abstract book including all rapid fire & poster abstracts, grand round & film festival abstracts. All faculty cv's & commitments are available on the congress website.

## Mobile App

During the 7th World Glaucoma Congress, a mobile app is available for all delegates. This congress app is part of the WGA society app, which you can download via the Apple Store and Google Play Store by searching for WGA. After installing the WGA app, you can download the WGC-2017 Congress app. This app features up-to-date program information, general information, floor plans, and much more!

## Twitter

WGC-2017 uses #wgc2017 as official congress hashtag.  
Please follow @WorldGlaucoma for all tweets from the congress.



## Website

All relevant information regarding the congress can be found on the congress website at [www.worldglaucomacongress.org](http://www.worldglaucomacongress.org).



# ABOUT HELSINKI

The capital of Finland is a compact city easily explored by foot. Design, architecture, culture, shopping and business are all great exploration angles and large park areas, forests, lakes, and the coastline with numerous islands sprinkled off it make certain there's no shortage of natural presence. Needless to say, there's something going on in Helsinki every day of the year.

## Finland 100 years

Finland became an independent state on December, 6 1917. The centenary of Finland's independence in 2017 will be the most significant commemorative year for the Finns. More information on events held can be found on <http://suomifinland100.fi>

## Banks and Exchange Foreign Currency

Banks are normally open from 10.00 am to 4.00 pm and are closed on Saturdays and Sundays. 24-hour cash machines that accept most credit cards such as MasterCard, VISA, Maestro or American Express are widely available around the city center. Travelers' cheques and currency can be changed at exchange bureaus (e.g. FOREX) or at hotel receptions.

## Climate

Finland's climate combines characteristics of both a maritime and a continental climate. The summers in Finland are usually bright. The days are at their longest in the second half of June, when the sun stays above the horizon for 19 hours. Average day temperatures in June are normally around 18-25 degrees Celsius and during night temperatures drop to around 15-18 degrees Celsius. The highest summer temperatures in Finland are from 25°C to 30°C. Heat waves, with a maximum daily temperature exceeding 25°C, occur on an average of 10 to 15 days during the summer. In Summer Finland has the longest hours of daylight, during WGC dates, the sun normally rises around 04.00 am and sets at 10.45 pm.

## Credit Cards

All major credit cards are widely accepted.

## Currency

The currency in Finland is the Euro.

## Electricity

The electric current in Finland is 220V (230V), and a two-pin plug is used.



## **Sales Tax**

Sales tax (VAT) is included in prices quoted. Anyone permanently resident outside the EU and Norway, can shop tax free in Finland. Stores with Tax Free Shopping sign will provide customers with a cheque covering the VAT refund on departure from the last EU country visited.

## **Shopping**

Helsinki's open-air markets are fun places to shop in a relaxing atmosphere. The stalls in the Market Square sell traditional food and treats as well as handicrafts and souvenirs. Design District Helsinki is a cluster of creative businesses that is full of fascinating attractions for fans of design. Helsinki also has many shopping centers and department stores that make it fun and convenient to shop.

## **Smoking**

The Finnish law, in accordance with regulations in force in the majority of European Countries, does not allow smoking in any public transportation or in any closed public areas (some restaurants, bars and discos may have a designated smoking area).

## **Time Zone**

The time zone in Finland is Eastern European Summer Time EEST, 3 hours ahead of Greenwich Mean Time (GMT +3) and 1 hour ahead of Central European Time.

## **Public Transport Card**

Complimentary transportation cards are available to pre-registered participants.

The tickets are valid in Helsinki, Espoo, Vantaa and Kirkkonummi and can be used on buses, trams, trains, metro and the Suomenlinna ferry.

The tickets are valid from Wednesday, June 28 until Saturday, July 1 2017 and allow unlimited travel throughout the day. Tickets will be included in the registration pack.

## **Water**

Please note that Finnish water from the taps is fresh and available to drink directly. For your convenience we have created several tap water stations on the Exhibition Floor. Enjoy and have as much Finnish tap water as you want – it's our treat!



# RECOMMENDATIONS BY A LOCAL ORGANIZING COMMITTEE MEMBER

If you wish to extend your stay, you might be interested in getting to know other parts of Finland as well. Savonlinna and Mikkeli are both beautiful summer cities and they both have their own entertainments over the summer Savonlinna Opera Festival and Mikkeli Music Festival included!

Savonlinna Opera Festival     July 5 - August 5, 2017  
XXVI Mikkeli Music Festival     July 1 – 9, 2017



*Aurora Heickell*  
Local Organizing  
Committee

If you do not have that much time at hands and wish to stay in the Helsinki area, here are some other recommendations:

## *Restaurant: Nokka*

Converted harbourside warehouse with a nautical feel - look out for the huge anchor and propeller. There's a cookery school, a wine cellar and a smart glass-walled kitchen. Modern Finnish cooking relies on small farm producers ([www.ViaMichelin.nl](http://www.ViaMichelin.nl)).



## *Ateneum Art Museum*

The Ateneum is Finland's best-known art museum and the images held by the Ateneum are ingrained in the collective memory of the Finnish people: the beloved works in Ateneum's collections date from the period from the 19th century to the modern age.



## *Top ten restaurants*

Bellevue

Elite

Finnjävel

Juuri et Latva

Maxill

Mount Everest

Nokka

Olo

Wellamo

Qulma (cafe et lunch restaurant)

[www.ravintolanokka.fi](http://www.ravintolanokka.fi)

[www.elite.fi](http://www.elite.fi)

[www.finnjavel.fi](http://www.finnjavel.fi)

[www.juuri.fi](http://www.juuri.fi) [www.latva.fi](http://www.latva.fi)

[www.maxill.fi](http://www.maxill.fi)

[www.everestyeti.fi](http://www.everestyeti.fi)

[www.ravintolanokka.fi](http://www.ravintolanokka.fi)

[www.olo-ravintola.fi](http://www.olo-ravintola.fi)

[www.wellamo.fi](http://www.wellamo.fi)

[www.qulma.fi](http://www.qulma.fi)



### *To see in Helsinki*

Ateneum Art Museum	<a href="http://www.ateneum.fi">www.ateneum.fi</a>
Design Museum	<a href="http://www.designmuseum.fi">www.designmuseum.fi</a>
HAM Helsinki Art Museum	<a href="http://www.hamhelsinki.fi">www.hamhelsinki.fi</a>
Helsinki City Museum	<a href="http://www.helsinginkaupunginmuseo.fi">www.helsinginkaupunginmuseo.fi</a>
National Museum of Finland	<a href="http://www.kansallismuseo.fi">www.kansallismuseo.fi</a>
Allas Sea Pool	<a href="http://www.allasseapool.fi">www.allasseapool.fi</a>
Design Sauna Löyly	<a href="http://www.loylyhelsinki.fi">www.loylyhelsinki.fi</a>

- Market Square, Old Market Hall and sightseeing cruises
- Kaivopuisto Park
- Suomenlinna Sea Fortress, 15 min ferry ride from the Market Square takes you to the UNESCO World Heritage Site Suomenlinna, [www.suomenlinna.fi](http://www.suomenlinna.fi)
- Sup cafe Regatta, single and two person kayaks, canoes, stand-up paddling boards and rowing boats, close to Sibelius Monument and Park
- City Bikes, Helsinki offers 500 city bikes that can be borrowed from 50 bike stations throughout the city centre. <https://www.hsl.fi/en/citybikes>
- Movie theatre Finnkinno [www.finnkinno.fi](http://www.finnkinno.fi)
- Movie theatre Orion <https://kavi.fi/en/>

### *To see outside of Helsinki*

- Haltia - the Finnish nature centre (Nuuksio, Espoo), [www.haltia.com](http://www.haltia.com)
- Porvoo - most popular day trip, hour from Helsinki, picturesque old town by the river, [www.visitporvoo.fi](http://www.visitporvoo.fi)





# RESTAURANTS IN THE CONVENTION CENTRE

NEAR MESSUKESKUS HELSINKI, EXPO AND CONVENTION CENTRE

There are several cafés and restaurants located at the Messukeskus Helsinki, Expo and Convention Centre. The following restaurants are open during the congress:

	Wed. June 28	Thu. June 29	Fri. June 30	Sat. July 1
<b>LUNCH SERVICES DURING THE CONGRESS</b>				
<b>Eat &amp; Meet</b>	10.30 – 14.30	10.30 – 14.30	10.30 – 14.30	10.30 – 14.30
<b>Brasserie Terra Nova</b> - à la carte restaurant in hotel Holiday Inn. Reservations tel. +358 50 359 7608	11.00 – 01.00	11.00 – 01.00	11.00 – 01.00	11.00 – 01.00
<b>CAFÉ SERVICES DURING THE CONGRESS</b>				
Webcafe (café 3)	07:00-18:00	08:00-18:00	08:00-18:00	08:00-14:00
Fazer Cafe	07:00-18:00	07:00-18:00	07:00-18:00	07:00-14:00
Helsinki Cafe	09:00-14:30	09:00-14:30	09:00-14:30	09:00-14:00
Corner	14:30-18:00	14:30-18:00	14:30-18:00	
Ice & Candy	14:30-18:00	14:30-18:00	14:30-18:00	
<b>OTHER RESTAURANT SERVICES</b>				
Wok'n'Curry	10:00-14:30	10:00-14:30	10:00-14:30	10:00-14:00
Pizza & Grill	10:00-14:30	10:00-14:30	10:00-14:30	10:00-14:00



# CME CREDITS

The 7th World Glaucoma Congress in Helsinki, Finland (28.06.–1.07.2017) has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists.

The 7th World Glaucoma Congress is designated for a maximum of, or up to 21 European CME credits (ECMEC). 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).

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).

Live educational activities, occurring outside of Canada, recognized by the UEMS-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.





**European Glaucoma Society**

Innovation, Education, Communication, Implementation

*Come and visit our booth...  
you may win a free registration ticket to  
the EGS Florence Congress or a copy of the  
EGS Glaucoma Imaging book!*

# 13<sup>th</sup> EGS Congress

## Florence, Italy

### 19/22 May 2018

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

Save the date

# PROGRAM AT A GLANCE

## WEDNESDAY JUNE 28, 2017

Room	Hall 1	Hall 3e	Room 103a+b	Room 201
7.30 am				Society Symposium GS-W-3 Iranian Glaucoma Society 7.30 am - 8.30 am
8.00 am				
8.30 am				
8.40 am	Society Symposium GS-W-6 Glaucoma Division of the Turkish Ophthalmology Society 8.40 am - 9.40 am		Society Symposium GS-W-8 Chinese Glaucoma Society 8.40 am - 9.40 am	Society Symposium GS-W-9 Latin American Glaucoma Society & Pan American Glaucoma Society 8.40 am - 9.40 am
9.00 am				
9.30 am				
9.40 am				
9.50 am	Society Symposium GS-W-12 International Society of Glaucoma Surgery 9.50 am - 10.50 am		Society Symposium GS-W-13 Korean Glaucoma Society 9.50 am - 10.50 am	Society Symposium GS-W-14 Optometric Glaucoma Society 9.50 am - 10.50 am
10.00 am				
10.30 am				
10.50 am				
11.00 am	Society Symposium GS-W-17 American Glaucoma Society 11.00 am - 12.00 pm			Society Symposium GS-W-19 Canadian Glaucoma Society 11.00 am - 12.00 pm
11.30 am				
12.00 pm	Break - 12.00 pm - 1.00 pm		General Assembly 12.00 pm - 1.00 pm	Break - 12.00 pm - 1.00 pm
12.30 pm				
1.00 pm		Industry Symposium IND-W-01 1.00 pm - 2.00 pm		
1.30 pm				
2.00 pm			Society Symposium GS-W-23 Glaucoma Society of Taiwan Academy of Ophthalmology 2.00 pm - 3.00 pm	Society Symposium GS-W-24 Commonwealth of Independent States Society - Glaucoma surgery: results vs. conclusions 2.00 pm - 3.00 pm
2.30 pm				
2.45 pm	Coffee Break - Exhibition Area 2.45 pm - 3.15 pm			
3.15 pm	Opening Ceremony OP-W-1 3.15 pm - 3.45 pm			
3.45 pm	Keynote lecture P. Hiidenmaa 3.45 pm - 4.00 pm			
4.00 pm	15 minute break - 4.00 pm - 4.15 pm			
4.15 pm	Presidential Symposium Exfoliation Syndrome - The first century PRES-W-1 4.15 pm - 5.45 pm			
5.45 pm				
6.30 pm	Welcome Reception, Helsinki City Hall 6.30 pm - 8.00 pm (Fully booked)			
8.00 pm				
9.00 pm				
10.00 pm	Midsummer Night Nordic Walk, 10.00 pm - 11.00 pm			
11.00 pm				



Room 203a+b	Room 206	Room 207	Room 208	Room	
Exfoliation Special Interest Group GS-W-2 7.30 am - 8.30 am	Society Symposium GS-W-4 Brazilian Glaucoma Society 7.30 am - 8.30 am	Society Symposium GS-W-5 Pakistan Glaucoma Association 7.30 am - 8.30 am	Society Symposium GS-W-1 Egyptian Society for the Glaucomas 7.30 am - 8.30 am	7.30 am	
				8.00 am	
Society Symposium GS-W-10 Glaucoma Group of Association of Ophthalmologists of Latvia 8.40 am - 9.40 am				8.30 am	
				8.40 am	
				9.00 am	
				9.30 am	
				9.40 am	
				9.50 am	
				10.00 am	
				10.30 am	
				10.50 am	
				11.00 am	
Society Symposium GS-W-18 Joint Society Symposium of the Philippine Glaucoma Society & Vietnam Glaucoma Club 11.00 am - 12.00 pm	Society Symposium GS-W-20 Joint Society Symposium (open) of the Argentine, Columbian and Peruvian Glaucoma Societies 11.00 am - 12.00 pm	Society Symposium GS-W-21 Danish Glaucoma Society 11.00 am - 12.00 pm	Finnish Glaucoma Society Anniversary Symposium GS-W-7 9.00 am - 12.00 pm	11.30 am	
				12.00 pm	
Break - 12.00 pm - 1.00 pm				12.30 pm	
				1.00 pm	
				1.30 pm	
Society Symposium GS-W-25 Bulgarian Glaucoma Society - Glaucoma diagnosis and therapy 2.00 pm - 3.00 pm	Society Symposium GS-W-26 Bangladesh Glaucoma Society - Glaucoma management in Bangladesh - a paradigm shift 2.00 pm - 3.00 pm	Society Symposium GS-W-22 Japan Glaucoma Society 2.00 pm - 3.00 pm		2.00 pm	
				2.30 pm	
Coffee Break - Exhibition Area 2.45 pm - 3.15 pm				2.45 pm	
				3.15 pm	
				3.45 pm	
15 minute break - 4.00 pm - 4.15 pm				4.00 pm	
				4.15 pm	
				5.45 pm	
Welcome Reception, Helsinki City Hall 6.30 pm - 8.00 pm (Fully booked)				6.30 pm	
				8.00 pm	
				9.00 pm	
Midsummer Night Nordic Walk, 10.00 pm - 11.00 pm				10.00 pm	
				11.00 pm	



# PROGRAM AT A GLANCE

## THURSDAY JUNE 29, 2017 (MORNING)

Room	Hall 1	Hall 3b+c	Hall 3e	Open space Exhibit Hall	Room 201			
7.30 am					Film Festival 8.00 am - 3.00 pm			
8.00 am								
8.30 am						Angle closure and angle closure glaucoma (APGS symposium) PS-T-1 8.30 am - 10.00 am	Optimising cataract refractive surgery outcomes in the glaucoma patient PS-T-2 8.30 am - 10.00 am	Big data and glaucoma PS-T-3 8.30-10.00
9.00 am								
9.30 am								
10.00 am	30 minute coffee break - 10.00 am - 10.30 am							
10.30 am	The surgery smorgasbord - where are we now, where are we going? PL-T-1 10.30 am - 12.00 pm				Film Festival 8.00 am - 3.00 pm			
11.00 am								
11.30 am								
12.00 pm	15 minute break - 12.00 pm - 12.15 pm							
12.15 pm	Industry Symposium IND-T-04 12.15 pm - 1.15 pm				Film Festival 8.00 am - 3.00 pm			
1.15 pm	45 minute lunch break					Rapid Fire Session RF-T-1 1.15 pm - 2.00 pm		



Room 203a+b	Room 204+205	Room 207	Room 208	Room
Industry Symposium IND-T-03 7.30 am - 8.30 am		Industry Symposium IND-T-01 7.30 am - 8.30 am	Industry Symposium IND-T-02 7.30 am - 8.30 am	7.30 am
				8.00 am
	Wetlab: Ab-interno filtering procedures (XEN Implant) 8.30 am - 11.00 am			8.30 am
				9.00 am
				9.30 am
30 minute coffee break - 10.00 am - 10.30 am				10.00 am
				10.30 am
				11.00 am
				11.30 am
	Wetlab: New Molteno Tubes hands-on 11.30 am - 2.00 pm	15 minute break - 12.00 pm - 12.15 pm		12.00 pm
				12.15 pm
45 minute lunch break				1.15 pm



# PROGRAM AT A GLANCE

## THURSDAY JUNE 29, 2017 (AFTERNOON)

Room	Hall 1	Hall 1b	Poster Area	Hall 3b+c	Hall 3e	Room 201	
1.45 pm				New discoveries in exfoliation (Lindberg Symposium) PS-T-5 1.45 pm - 3.15 pm		Film Festival 8.00 am - 3.00 pm	
2.00 pm	Surgery for angle closure glaucoma PS-T-4 2.00 pm - 3.00 pm				The impact of glaucoma PS-T-6 2.00 pm - 3.00 pm		
3.00 pm	30 minute coffee break - 3.00 pm - 3.30 pm				30 minute coffee break - 3.00 pm - 3.30 pm		
3.15 pm							
3.30 pm	OCT angiography in glaucoma C-T-1 3.15 pm - 4.45 pm	Laser treatment of glaucoma - evidence update and practical tips C-T-4 3.30 pm - 4.30 pm				Advanced functional assessment of glaucoma C-T-6 3.30 pm - 4.30 pm	
4.30 pm		15 minute break - 4.30 pm - 4.45 pm					
4.45 pm		Exfoliation syndrome: from the laboratory to the clinic C-T-12 4.45 pm - 5.45 pm	Poster walks 4.45 pm - 5.45 pm	Surgery in secondary and complicated glaucomas C-T-9 4.45 pm - 5.45 pm	Surgery in pediatric glaucoma C-T-10 4.45 pm - 5.45 pm	IOP assessment in clinical practice C-T-14 4.45 pm - 6.00 pm	
5.00 pm							
5.45 pm	15 minute break - 5.45 pm - 6.00 pm						
6.00 pm							
7.00 pm							





Room 203a+b	Room 204+205	Room 206	Room 207	Room 208	Room	
<div>Africa Symposium PS-T-7 2.00 pm - 3.00 pm</div>					1.45 pm	
					2.00 pm	
30 minute coffee break - 3.00 pm - 3.30 pm					3.00 pm	
					3.15 pm	
<div>Perfecting the art of glaucoma phenotyping C-T-5 3.30 pm - 4.30 pm</div>	<div>Wetlab: NPGS hands-on (CLASS surgery) 2.30 pm - 5.00 pm</div>	<div>Hypotony - case based discussion C-T-7 3.30 pm - 4.30 pm</div>	<div>Mouse and rat models of glaucoma C-T-8 3.30 pm - 4.30 pm</div>	<div>New technologies to surf the future glaucoma tsunami C-T-3 3.30 pm - 4.30 pm</div>	3.30 pm	
		15 minute break - 4.30 pm - 4.45 pm				4.30 pm
<div>Neuroprotection - the future of glaucoma treatment C-T-13 4.45 pm - 5.45 pm</div>		<div>Update on neo-vascular glaucoma management C-T-15 4.45 pm - 5.45 pm</div>	<div>Alternative and complementary therapies for glaucoma C-T-16 4.45 pm - 5.45 pm</div>	<div>Surgery in the developing world C-T-11 4.45 pm - 5.45 pm</div>		4.45 pm
15 minute break - 5.45 pm - 6.00 pm					5.00 pm	
<div>Industry Symposium IND-T-06 6.00 pm - 7.00 pm</div>					5.45 pm	
					<div>Industry Symposium IND-T-05 6.00 pm - 7.00 pm</div>	
					7.00 pm	



# PROGRAM AT A GLANCE

## FRIDAY JUNE 30, 2017 (MORNING)

Room	Hall 1	Hall 3b+c	Hall 3e	Open space Exhibit Hall	Room 201	
7.30 am						
8.00 am						
8.30 am	<b>MIGS - the evidence PS-F-1</b> 8.30 am - 10.00 am	<b>Glaucoma progression PS-F-2</b> 08.30 am - 10.00 am	<b>Glaucoma genomics PS-F-3</b> 8.30 am - 10.00 am	<b>Film Festival</b> 8.00 am - 3.00 pm		
9.00 am						
9.30 am						
10.00 am	30 minute coffee break - 10.00 am - 10.30 am					
10.30 am	<b>Hot debates in glaucoma - in honour of Juhani Airaksinen PL-F-1</b> 10.30 am - 12.00 pm				<b>Film Festival</b> 8.00 am - 3.00 pm	
11.00 am						
11.30 am						
12.00 pm	15 minute break - 12.00 pm - 12.15 pm					
12.15 pm	<b>Industry Symposium IND-F-04</b> 12.15 pm - 1.15 pm				<b>Film Festival</b> 8.00 am - 3.00 pm	
1.15 pm	45 minute lunch break			<b>Rapid Fire Session RF-F-2</b> 1.15 pm - 2.00 pm		
1.45 pm						



Room 203a+b	Room 204+205	Room 207	Room 208	Room 209	Room
Industry Symposium IND-F-03 7.30 am - 8.30 am		Industry Symposium IND-F-01 7.30 am - 8.30 am	Industry Symposium IND-F-02 7.30 am - 8.30 am		7.30 am
					8.00 am
	Wetlab: Ahmed implant hands-on 8.30 am - 11.00 am			Skills Transfer Workshop WS-F-1 08.30 am - 11.00 am	8.30 am
					9.00 am
9.30 am					
		30 minute coffee break - 10.00 am - 10.30 am			10.00 am
				Skills Transfer Workshop WS-F-1 8.30 am - 11.00 am	10.30 am
					11.00 am
	Wetlab: MicroPulse TSCPC hands-on (Micro- Pulse P3 with the Cyclo G6 laser) 11.30 am - 2.00 pm				11.30 am
		30 minute coffee break - 10.00 am - 10.30 am			12.00 pm
					12.15 pm
Patient Oriented Symposium PS-F-7 1.45 pm - 3.15 pm		45 minute lunch break			1.15 pm
					1.45 pm



# PROGRAM AT A GLANCE

## FRIDAY JUNE 30, 2017 (AFTERNOON)

Room	Hall 1	Hall 1b	Hall 3	Hall 3b+c	Hall 3e	Room 201	Room 203a+b			
2.00 pm	Risk profiling PS-F-4 2.00 pm - 3.00 pm			What really happens to retinal ganglion cells in glaucoma PS-F-5 2.00 pm - 3.00 pm	What's new in IOP? PS-F-6 2.00 pm - 3.00 pm	Film Festival 8.00 am - 3.00 pm	Patient Oriented Symposium PS-F-7 1.45 pm - 3.15 pm			
2.30 pm										
3.00 pm	30 minute break - 3.00 pm - 3.30 pm									
3.15 pm										
3.30 pm		Myopia and glaucoma C-F-4 3.30 pm - 4.30 pm		Normal tension glaucoma: pathogenesis, progression and treatment C-F-1 3.30 pm - 4.30 pm	Tube surgery - the elements C-F-2 3.30 pm - 4.30 pm	Sustainable glaucoma care and health economics C-F-6 3.30 pm - 4.30 pm	Should we screen for glaucoma? C-F-5 3.30 pm - 4.30 pm			
4.30 pm	15 minute break - 4.30 pm - 4.45 pm									
4.45 pm		Diagnosis and management of a glaucoma suspect C-F-12 4.45 pm - 5.45 pm	Poster walks 4.45 pm - 5.45 pm	Practical tips & tricks for minimally invasive glaucoma surgery C-F-9 4.45 pm - 5.45 pm	Fixing problems with tubes C-F-10 4.45 pm - 5.45 pm	Image reading + grading C-F-14 4.45 pm - 5.45 pm	Advanced glaucoma in low income populations C-F-13 4.45 pm - 5.45 pm			
5.00 pm										
5.30 pm										
5.45 pm	15 minute break 5.45 pm - 6.00 pm									
6.00 pm										
7.00 pm										
7.30 pm										
11.00 pm										
Congress Party - Kulosaaren Casino 7.30 pm -11.00 pm										



Room 204+205	Room 206	Room 207	Room 208	Room 209	Room
					2.00 pm
<b>Wetlab: Suprachoroidal filtration (Cypass)</b> 2.30 pm - 5.00 pm					2.30 pm
	30 minute break - 3.00 pm - 3.30 pm				3.00 pm
					3.15 pm
	<b>Pursuing a career as a clinician-scientist C-F-7</b> 3.30 pm - 4.30 pm	<b>Novel animal models for glaucoma C-F-8</b> 3.30 pm - 4.30 pm	<b>Fixing problems after trabeculectomy and non-penetrating surgery C-F-3</b> 3.30 pm - 4.30 pm	<b>Workshop OCT &amp; glaucoma WS-F-02</b> 3.30 pm - 5.30 pm	3.30 pm
	15 minute break - 4.30 pm - 4.45 pm				4.30 pm
					4.45 pm
<b>Proteomic approach to better glaucoma care C-F-15</b> 4.45 pm - 5.45 pm	<b>Looking over the glaucoma horizon C-F-16</b> 4.45 pm - 5.45 pm	<b>CSF pressure + glaucoma C-F-11</b> 4.45 pm - 5.45 pm	5.00 pm		
<b>Wetlab: Managing complications hands-on</b> 5.00 pm - 7.00 pm					5.30 pm
	15 minute break 5.45 pm - 6.00 pm				5.45 pm
				<b>Industry Symposium IND-F-04</b> 6.00 pm - 7.00 pm	6.00 pm
					7.00 pm
					7.30 pm
<b>Congress Party - Kulosaaren Casino 7.30 pm -11.00 pm</b>					11.00 pm



# PROGRAM AT A GLANCE

## SATURDAY JULY 1, 2017

Room	Hall 1	Hall 3b+c	Hall 3e	Room 204+205
8.00 am	<div>Current glaucoma management - medical &amp; laser therapy PS-S-1 8.30 am - 10.00 am</div> <div>OCT in glaucoma: present and future PS-S-2 8.30 am - 10.00 am</div> <div>Populations to practice PS-S-3 8.30 am - 10.00 am</div>			<div>Wetlab: MIGS with iTrack (ABiC) 8.00 am - 10.30 am</div>
8.15 am				
8.30 am				
9.00 am				
9.30 am				
10.00 am	30 minute coffee break - 10.00 am - 10.30 am			
10.15 am	<div>Grand Rounds PL-S-1 10.30 am - 11.30 am</div>			
10.30 am				
10.45 am				
11.00 am				
11.30 am	15 minute break - 11.30 am - 11.45 am			
11.45 am	<div>My worst nightmare as a glaucoma surgeon PS-S-4 11.45 am - 1.15 pm</div>	<div>New frontiers in glaucoma PS-S-5 11.45 am - 1.15 pm</div>	<div>Biomechanics in glaucoma PS-S-6 11.45 am - 1.15 pm</div>	<div>Wetlab: Trabecular surgery (iStent) 11.45 am - 2.00 pm</div>
12.30 pm				
1.15 pm				
2.00 pm				
Farewell lunch on exhibition floor 1:15 pm - 2:00 pm				

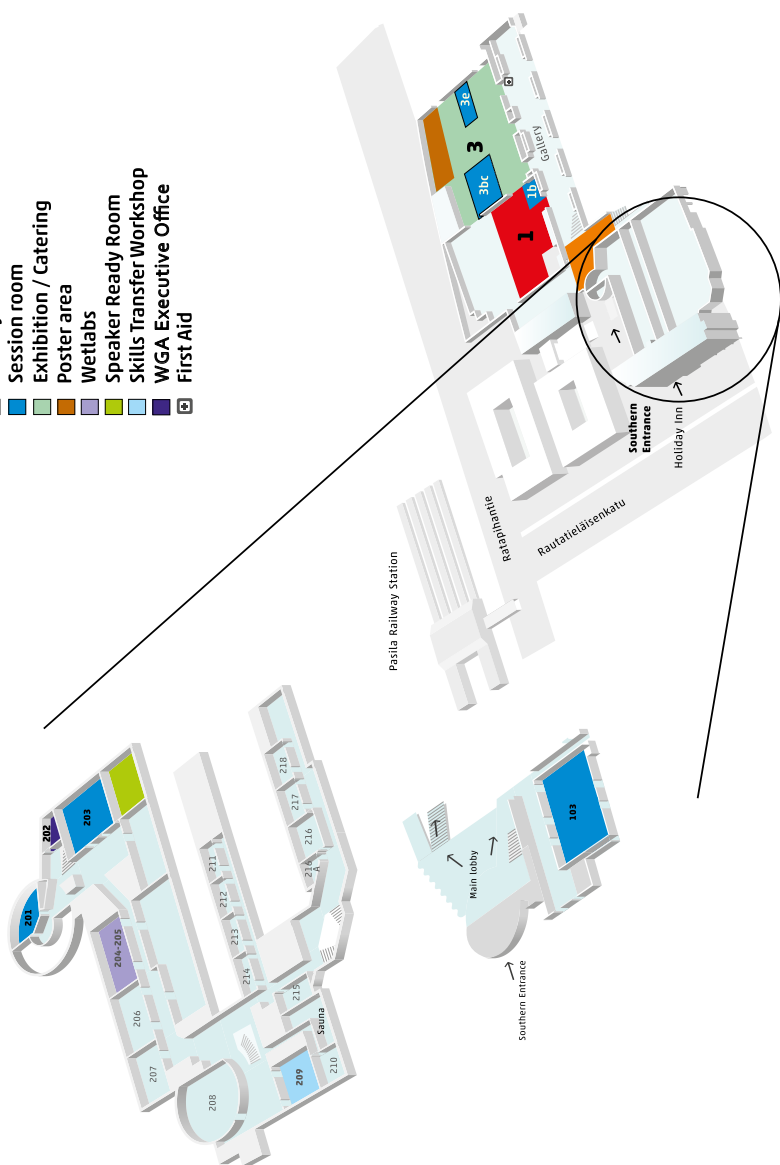


# VENUE MAP

WGC-2017



- Registration area
- Plenary hall
- Session room
- Exhibition / Catering
- Poster area
- Wetlabs
- Speaker Ready Room
- Skills Transfer Workshop
- WGA Executive Office
- First Aid



*Creativity and Technology without Boundaries*



# APAO 2018 Hong Kong Feb 8-11-2018

The 33rd Asia-Pacific Academy of Ophthalmology Congress  
in conjunction with  
The 29th Hong Kong Ophthalmological Symposium

Host:



Co-Hosts:



<http://2018.apaophth.org>





# SCIENTIFIC PROGRAM

- C = Course
- WL = Wetlab
- PRES = Presidential Symposium
- GS = Glaucoma Society Symposium
- PS = Parallel Symposium
- PL = Plenary Symposium
- RF = Rapid Fire
- IND = Industry Symposia
- OP = Opening Ceremony



# SCIENTIFIC PROGRAM OVERVIEW PER DAY

**WEDNESDAY JUNE 28, 2017**

<b>7.30-8.30 am</b>	<b>Room 206</b>
<b>GS-W-4</b>	<b>Brazilian Glaucoma Society Symposium</b>
<i>Chair(s):</i>	Wilma Barbosa (Brazil); Emilio Suzuki Jr (Brazil)
7.30-7.40	<b>Arcade retinal nerve fiber layer (rNFL) volume acquired with an 88um cut-off performs better to detect glaucoma than standard rNFL quadrant thickness</b> Susy Pachon (Brazil)
7.40-7.45	<b>Discussion</b> Roberto Vessani (Brazil)
7.45-7.55	<b>Retinal layers within the optic nerve head rim</b> Lucas Torres (Brazil)
7.55-8.00	<b>Discussion</b> Lisandro Sakata (Brazil)
8.00-8.10	<b>Driving performance in glaucomatous patients</b> Nara Ogata (Brazil)
8.10-8.15	<b>Discussion</b> Marcelo Hatanaka (Brazil)
8.15-8.25	<b>nGoggle: a portable brain-computer interface for functional assessment</b> Fabia Daga (Brazil)
8.25-8.30	<b>Discussion</b> Christiane Rolim de Moura (Brazil)



## WEDNESDAY JUNE 28, 2017

<b>7.30-8.30 am</b>	<b>Room 207</b>
<b>GS-W-5</b>	<b>Pakistan Glaucoma Association Society Symposium Glaucoma Diagnosis - A perspective from Pakistan</b>
<i>Chair(s):</i>	Afzal Bodla (Pakistan); Nasir Saeed (Pakistan)
7.30-7.40	<b>Corneal hysteresis &amp; glaucoma</b> Nadeem Butt (Pakistan)
7.40-7.50	<b>Gonioscopy - A forgotten art in the developing countries</b> Imtiaz Ali (Pakistan)
7.50-8.00	<b>Visual field interpretation in glaucoma diagnosis</b> Muhammad Naqaish Sadiq (Pakistan)
8.00-8.10	<b>OCT in the glaucoma diagnosis</b> Salim Mahar (Pakistan)
8.10-8.20	<b>MGCC in the diagnosis of glaucoma</b> Afzal Bodla (Pakistan)
8.20-8.30	<b>Glaucoma pattern in Pakistan</b> Nasir Saeed (Pakistan)
<b>7.30-8.30 am</b>	<b>Room 208</b>
<b>GS-W-1</b>	<b>Egyptian Society for the Glaucomas Symposium About congenital glaucoma; Targeting a better diagnosis and cure</b>
<i>Chair(s):</i>	Ayman El-Shiaty (Egypt); Ahmad Khalil (Egypt)
7.30-7.45	<b>Congenital glaucoma in Egypt; magnitude of the problem</b> Ayman El-Shiaty (Egypt)
7.45-8.00	<b>Particularities in the diagnosis of congenital glaucoma, Handle-less probe trabeculotomy</b> Ahmad Khalil (Egypt)
8.00-8.15	<b>Particularities in the diagnosis of congenital glaucoma, Trabeculotomy: are we doing it right</b> Yasmin El-Sayed (Egypt)
8.15-8.30	<b>Goniotomy highlights, follow-up and involving the family in the care of the child</b> Hala El-Hilali (Egypt)



## WEDNESDAY JUNE 28, 2017

**7.30-8.30 am**

**GS-W-3**

**Room 201**

**Iranian Glaucoma Society Symposium**

**Glaucoma surgery: Walking the thin line**

*Chair(s):*

Heydar Amini (Iran); Mohammad Pakravan (Iran)

7.30-7.38

**Trabeculectomy**

Mohammad Pakravan (Iran)

7.38-7.46

**Combined surgery**

Naveed Nilforushan (Iran)

7.46-7.54

**Shunt procedures**

Farideh Sharifipour (Iran)

7.54-8.04

**Pediatric glaucoma surgery**

Masoud Mohammadi (Iran)

8.04-8.12

**Nonpenetrating glaucoma surgery**

Alireza Esmaeili (Iran)

8.12-8.20

**Complications of filtering surgery**

Azadeh Doozandeh (Iran)

**7.30-8.30 am**

**GS-W-2**

**Room 203a+b**

**Exfoliation Special Interest Group**

**New studies on the genetics of exfoliation syndrome**

*Chair(s):*

Tin Aung (Singapore); Robert Ritch (United States); Janey Wiggs (United States)

7.30-7.37

**The LOXL1 gene unraveled**

Chiea-Chuen Khor (Singapore)

7.37-7.44

**The dual role of LOXL1 in exfoliation syndrome/glaucoma**

Ursula Schlötzer-Schrehardt (Germany)

7.44-7.51

**Rare protective coding variants of LOXL1**

Michael Hauser (United States)

7.51-7.58

**Other genes**

Tin Aung (Singapore)

7.58-8.05

**Genetic disorders of the elastic fiber system**

Dieter Reinhardt (Canada)

8.05-8.30

**Discussion**



## WEDNESDAY JUNE 28, 2017

**8.40-9.40 am**      **Hall 1**  
**GS-W-6**      **Turkish Glaucoma Society Symposium**  
**Update on detection and management of progression in glaucoma patients: Turkish Glaucoma Society panel with international contribution**  
*Chair(s):*      Murat Irkeç (Turkey); Anja Tuulonen (Finland)

8.40-8.50      **Risk factors for progression**  
 Ahmet Akman (Turkey)

8.50-9.00      **Detection of progression functionally**  
 Ilgaz Yalvac (Turkey)

9.00-9.12      **Detection of progression structurally**  
 Gabor Hollo (Hungary)

9.12-9.24      **Role of 24-hour IOP monitoring in glaucoma progression**  
 Anastasios Konostas (Greece)

9.24-9.34      **Surgical options in case of progression**  
 Umit Eksioglu (Turkey)

**8.40-9.40 am**      **Room 103a+b**  
**GS-W-8**      **Chinese Glaucoma Society Symposium**  
**Glaucoma and cerebrospinal fluid pressure: existing evidence and further proofs**  
*Chair(s):*      Ningli Wang (China)

8.40-8.50      **TBC**  
 Robert Weinreb (United States)

8.50-9.00      **Anatomical and biomechanical features of the optic nerve head in the interplay of cerebrospinal fluid pressure and intraocular pressure**  
 Jost Jonas (Germany)

9.00-9.10      **The two faces of the translaminar pressure: the biomechanics one and the biochemical one**  
 Hanspeter Killer (Switzerland)

9.10-9.20      **The role of CSFP in glaucoma: A view in retrospect**  
 David Fleischman (United States)

9.20-9.30      **Clinical investigation of the translaminar pressure gradient**  
 Cynthia Roberts (United States)

9.30-9.40      **CSF and glaucoma, what is the next?**  
 Ningli Wang (China)



## WEDNESDAY JUNE 28, 2017

<b>8.40-9.40 am</b>	<b>Room 201</b>
<b>GS-W-9</b>	<b>Latin American Glaucoma Society - Pan American Glaucoma Society Symposium</b>
	<b>Research projects</b>
<i>Chair(s):</i>	Fernando Gomez (Colombia); Rodolfo Perez Grossman (Peru)
8:40-8:43	<b>Introduction</b>
8:44-8:48	<b>Structure and function longitudinal changes after surgical intraocular pressure reduction in open angle glaucoma patients</b> Roberto Vessani (Brazil)
8:49-8:53	<b>Functional and structural damages after at least one year or more after a single episode of acute primary angle closure in Brazilians</b> Rafael Vidal Merula (Brazil)
8:54-8:58	<b>Structure and function relationship in a Hispanic population</b> Fernando Gomez (Colombia)
8:59-9:03	<b>Economic evaluation of glaucoma in Brazil (cost-utility of primary open angle glaucoma)</b> Ricardo Guedes (Brazil)
9:04-9:08	<b>Short and long-term OCT follow-up of primary angle-closure glaucoma patients</b> Sebastian Cronemberger (Brazil)
9:09-9:13	<b>PSLT a innovative tool in trabeculoplasty</b> Sandra Belalcazar-Rey (Colombia)
9:14-9:18	<b>Ocular surface and inflammatory control of glaucoma surgery</b> Heloisa Russ (Brazil)
9:19-9:23	<b>Projected prevalence of glaucoma for Colombia in the years 2020 and 2040</b> Omar Salamanca (Colombia)
9:24-9:28	<b>Nanotechnology and glaucoma</b> Vital Costa (Brazil)
9:29-9:33	<b>Long-term outcomes of trabeculectomy in contact lens wearers</b> Jose Antonio Paczka (Mexico)
9:33-9:40	<b>Closing</b>



## WEDNESDAY JUNE 28, 2017

8.40-9.40 am

GS-W-10

Room 206

**Glaucoma Group of Association of Ophthalmologists of Latvia Society Symposium***Chair(s):*

Kristine Baumane (Latvia); Guna Laganovska (Latvia)

8.40-8.48

**Analysis of genetic polymorphisms in primary open angle glaucoma patients in Latvian population**

Kristine Baumane (Latvia)

8.49-8.57

**Tear osmolarity changes of open angle glaucoma patients after cataract surgery**

Eriks Elksnis (Latvia)

8.58-9.06

**Comparison of three methods of tonometry: Goldmann applanation, iCare and non-contact tonometer and their correlation with central corneal thickness**

Jekaterina Varlamova (Latvia)

9.07-9.14

**Glaucoma parameters evaluation depending on corneal thickness**

Davis Rascevskis (Latvia)

9.15-9.23

**Evaluation of filtration blebs after trabeculectomy for patients with primary open angle glaucoma using anterior segment optical coherence tomography**

Oskars Gertners (Latvia)

9.24-9.30

**Intraocular pressure changes after silicone oil removal in eyes with long-term silicone oil existence**

Ilze Lace (Latvia)

9.31-9.40

**Assessment of primary congenital glaucoma in Latvia**

Eva Drucka (Latvia)



## WEDNESDAY JUNE 28, 2017

**8.40-9.40 am**

**GS-W-11**

**Room 207**

**Glaucoma Society of India Symposium**

**Glaucoma care in resource poor settings**

*Chair(s):*

Garudadri Chandra Sekhar (India); Vinay Nangia (India);  
R. Ramakrishnan (India)

8.40-8.50

**Undetected glaucoma - effective glaucoma screening in resource poor setting**

Ronnie George (India)

8.50-9.00

**Leveraging technology advances in glaucoma care in developing communities**

Garudadri Chandra Sekhar (India)

9.00-9.10

**Branded vs generic anti glaucoma medications in developing countries**

Harsh Kumar (India)

9.10-9.20

**Cost effectiveness of selective laser trabeculoplasty in the lesser developed countries**

Surinder Pandav (Australia)

9.20-9.30

**Newer adaptations in trabeculectomy**

P. Sathyan (India)

9.30-9.40

**Relevance of newer glaucoma surgeries**

Tanuj Dada (India)

**9.00-12.00 pm**

**GS-W-7**

**Room 208**

**Finnish Glaucoma Society 20th Anniversary Symposium**

**"Towards the Personalized Glaucoma Care"**

*Chair(s):*

Mika Harju (Finland); Hannu Uusitalo (Finland)

9.00-9.15

**Opening and Introduction**

Hannu Uusitalo (Finland)

9.15-9.35

**Glaucoma Genetics: recent advances and future directions**

Tin Aung (Singapore)

9.35-9.55

**Exfoliation Glaucoma, can it be prevented or reversed?**

Robert Ritch (United States)

9.55-10.15

**Glaucoma surgery. Is wound healing the key?**

Peng Khaw (United Kingdom)

10.30-10.50

**Why do ganglion cells die? Is this a key to cure or prevention?**

Keith Martin (United Kingdom)

10.50-11.10

**Optic Nerve Head. A dynamic target and biomarker?**

Jost Jonas (Germany)

11.10-11.30

**Ocular surface and tear fluid proteomics. A key to better glaucoma care?**

Roger W Beuerman (Singapore)





## WEDNESDAY JUNE 28, 2017

<b>9.50-10.50 am</b>	<b>Hall 1</b>
<b>GS-W-12</b>	<b>International Society of Glaucoma Surgery Symposium</b>
	<b>Plumbing at its best - surgical video symposium</b>
<i>Chair(s):</i>	Tarek Shaarawy (Switzerland); Tanuj Dada (India)
9.50-9.56	<b>Fixing failing filters</b> Michael Coote (Australia)
9.56-10.02	<b>Restoring implant function</b> William Sponsel (United States)
10.02-10.08	<b>Micropulse laser applications</b> Paul Chew (Singapore)
10.08-10.14	<b>Subconjunctival filtration: New methods for the old road</b> Tarek Shaarawy (Switzerland)
10.14-10.20	<b>Suprachoroidal drainage</b> Keith Barton (United Kingdom)
10.20-10.26	<b>Combined Baerveldt and Xen implantation</b> Andre Mermoud (Switzerland)
10.26-10.32	<b>Managing overfiltration and cyclodialysis cleft repair</b> Leon Au (United Kingdom)
10.32-10.38	<b>Congenital glaucoma surgery</b> Ching Lin (China)
10.38-10.44	<b>Nightmare cases in glaucoma surgery</b> Tanuj Dada (India)
10.44-10.50	<b>Discussion</b>



## WEDNESDAY JUNE 28, 2017

**9.50-10.50 am**

**GS-W-13**

*Chair(s):*

**Room 103a+b**

**Korean Glaucoma Society Symposium**

Michael S. Kook (South Korea)

09.50-10.00

**Ganglion cell layer imaging in glaucoma: Where are we now?**

Jin Wook Jeoung (South Korea)

10.00-10.10

**Influence of ERM on peripapillary RNFL measurements**

Chan-Yun Kim (South Korea)

10.10-10.20

**MIGS overview - perspective from a non-penetrating surgeon**

Kaweh Mansouri (Switzerland)

10.20-10.30

**IOP-lowering efficacy of phacoemulsification in open-angle glaucoma**

Chungkwon Yoo (South Korea)

10.30-10.40

**Glaucoma as a generalized neurodegenerative disease?**

Paul Foster (United Kingdom)

10.40-10.50

**Clinical significance of focal lamina cribrosa changes in glaucoma patients**

Hae-Young Lopilly Park (South Korea)

**9.50-10.50 am**

**GS-W-14**

*Chair(s):*

**Room 201**

**Optometric Glaucoma Society Symposium  
New developments in perimetry**

Murray Fingeret (United States)

9.50-9.55

**Introduction**

Michael Chaglasian (United States)

9.55-10.05

**Testing the central field to detect glaucomatous damage (central 10)**

Jeffrey Liebmann (United States)

10.05-10.15

**Modifying the 24-2 test pattern to include central points**

Allison McKendrick (Australia)

10.15-10.35

**Faster test algorithms - SITA faster**

Anders Heijl (Sweden)

10.35-10.45

**Panel discussion**

Murray Fingeret (United States)

10.45-10.50

**Concluding remarks**

John Flanagan (United States)



## WEDNESDAY JUNE 28, 2017

9.50-10.50 am

GS-W-15

Room 206

Portuguese Glaucoma Group Symposium

**Glaucoma challenges: from diagnosis to therapy***Chair(s):*

Antonio Figueiredo (Portugal)

9.50-10.00

**Glaucoma suspect and refractive surgery**

Teresa Gomes (Portugal)

10.00-10.10

**Microvascular changes detected by OCT-angio in glaucoma patients**

Maria da Luz Freitas (Portugal)

10.10-10.20

**Vital dye enhanced glaucoma surgery**

Luis Pinto (Portugal)

10.20-10.30

**CO2 laser assisted sclerectomy: our 1st year results**

Pedro Faria (Portugal)

10.30-10.40

**Deep sclerectomy: what can go wrong**

Nuno Lopes (Portugal)

9.50-10.50 am

GS-W-16

Room 207

Nigerian Glaucoma Society Symposium

**Glaucoma care in Nigeria /Sub-Saharan Africa: Next Level***Chair(s):*

Adeyinka Ashaye (Nigeria); Olusola Olawoye (Nigeria); Adeola Onakoya (Nigeria)

9.50-10.00

**Development of model glaucoma care in Nigeria**

Adeola Onakoya (Nigeria)

10.00-10.10

**Improving awareness and access to glaucoma care in Nigeria**

Fatima Kyari (Nigeria)

10.10-10.20

**Cost effectiveness in glaucoma treatment in Sub-Saharan Africa**

Adunola Ogunro (Nigeria)

10.20-10.35

**Preferred practice pattern for glaucoma in Nigeria**

Elizabeth Awoyesuku (Nigeria)

10.35-10.50

**Panel discussion: Preferred practice pattern of glaucoma in Nigeria**

## WEDNESDAY JUNE 28, 2017

<b>11.00-12.00 pm</b> <b>GS-W-17</b>	<b>Hall 1</b> <b>American Glaucoma Society Symposium</b> <b>Best of the 2017 American Glaucoma Society meeting</b> <i>Chair(s):</i> Felipe Medeiros (United States); Kuldev Singh (United States)
11.00-11.02	<b>Introduction</b> Kuldev Singh (United States)
11.02-11.10	<b>Reduction in IOP from a sustained-release bimatoprost ring: Pooled results from two open-label extension (OLE) studies</b> Jamie Brandt (United States)
11.10-11.18	<b>Evaluation of activity-normalized fall rates in glaucoma</b> Pradeep Ramulu (United States)
11.18-11.26	<b>Development and application of a portable brain-computer interface for objective assessment of visual field loss</b> Felipe Medeiros (United States)
11.26-11.34	<b>24-Hour IOP-related profile with a contact lens Sensor is associated with visual field progression in treated</b> Carlos Gustavo de Moraes (United States)
11.34-11.42	<b>Baseline 24-2 central visual field damage is predictive of global progressive field loss</b> Aakriti Garg (United States)
11.42-11.50	<b>Treatment outcomes in the primary tube versus trabeculectomy (PTVT) study after one year of follow-up</b> Kuldev Singh (United States)
11.50-12.00	<b>Panel discussion</b>
<b>11.00-12.00 pm</b> <b>GS-W-19</b>	<b>Room 201</b> <b>Canadian Glaucoma Society Symposium</b> <b>Imaging in Glaucoma management</b> <i>Chair(s):</i> Catherine Birt (Canada); Jamie Taylor (Canada)
11.00-11.10	<b>What is new in anterior segment imaging?</b> Devesh Varma (Canada)
11.10-11.25	<b>How do I use imaging to help me diagnose glaucoma?</b> Jamie Taylor (Canada)
11.25-11.40	<b>How do I use imaging to help me monitor glaucoma?</b> Marcelo Nicolela (Canada)
11.40-11.50	<b>What are the pitfalls in glaucoma imaging?</b> Paul Harasymowicz (Canada)
11.50-12.00	<b>Imaging symposium Q &amp; A</b> Catherine Birt (Canada)



## WEDNESDAY JUNE 28, 2017

<b>11.00-12.00 pm</b>	<b>Room 203a+b</b>
<b>GS-W-18</b>	<b>Philippine-Vietnam Glaucoma Society Joint Symposium</b>
	<b>Managing acute primary angle closure</b>
<i>Chair(s):</i>	Benjamin Abela (Philippines); Tan Do (Vietnam)
11.00-11.11	<b>Definition, epidemiology and mechanisms of acute primary angle closure</b> Tin Aung (Singapore)
11.11-11.19	<b>Evidence-based medical approach to acute primary angle closure</b> Pham Nhu Vinh Tuyen (Vietnam)
11.19-11.29	<b>Laser peripheral iridotomy vs argon laser peripheral iridoplasty for acute primary angle closure</b> Benjamin Abela (Philippines)
11.29-11.39	<b>Surgery for acute primary angle closure not involving the lens (e.g. trab, paracentesis, surgical iridectomy)</b> Rommel Bautista (Philippines)
11.39-11.49	<b>Surgery for acute primary angle closure involving the lens (phaco, phaco+trab, phaco+GSL)</b> Tan Do (Vietnam)
11.49-12.00	<b>Open forum</b>



## WEDNESDAY JUNE 28, 2017

**11.00-12.00 pm**      **Room 206**  
**GS-W-20**            **Society Symposium (open) of the Argentine, Columbian and Peruvian Glaucoma Societies**  
*Chair(s):*            Fernando Gomez (Colombia); Rodolfo Perez Grossman (Peru); Virginia Zanutigh (Argentina)

11.00-11.05	<b>Reoperating failed filters</b> Jorge Acosta (Argentina)
11.05-11.10	<b>Zero IOP</b> Javier Casiraghi (Argentina)
11.10-11.15	<b>Ahmed glaucoma valve implantation through the ciliary sulcus in pseudophakic NVG</b> Vania Castro T (Peru)
11.15-11.20	<b>Transconjunctival application of mitomycin in needling</b> Maria Delgado (Colombia)
11.20-11.25	<b>Improving the setting of the ahmed valve plate</b> Alberto Dios (Peru)
11.25-11.30	<b>Goniosynechiae in uveitic glaucoma, what do we do?</b> Lyle Newball (Colombia)
11.30-11.35	<b>One-way linear phakotrabeculectomy with injected mitomycin</b> Juan Camilo Parra (Colombia)
11.35-11.40	<b>Where is the tube?</b> Rodolfo Perez Grossman (Peru)
11.40-11.45	<b>Overfiltration in trab</b> Alejo Peyret (Argentina)
11.45-12.00	<b>Discussion</b>

**11.00-12.00 pm**      **Room 207**  
**GS-W-21**            **Danish Glaucoma Society Symposium**  
**Update on glaucoma in Denmark**  
*Chair(s):*            Miriam Kolko (Denmark); John Thygesen (Denmark)

11.00-11.10	<b>Welcome by the president</b> Lisbeth Serup (Denmark)
11.10-11.40	<b>Update on glaucoma in Denmark</b> Miriam Kolko (Denmark)
11.40-12.10	<b>Pitfalls in OCT diagnostics in glaucoma</b> John Thygesen (Denmark)



## WEDNESDAY JUNE 28, 2017

12.00 - 1.00 pm

Room 103a+b

**General Assembly****Opening, Welcome and Role of WGA General Assembly**

Tin Aung (Singapore)

**Glaucoma Societies**

Robert Fechtner (USA)

**WGA Finances**

Paul Healey (Australia)

**Highlights WGC-2017**

Jonathan Crowston (Australia)

**Africa Project**

Neeru Gupta (Canada)

**IGR**

Robert Weinreb (USA)

**Education**

Fabian Lerner (Argentina)

**World Glaucoma Week**

Ivan Goldberg (Australia)

**Statutes revision**

Robert Fechtner (USA)

**Elections**

Robert Fechtner (USA)

**WGC-2019**

Robert Fechtner (USA)

**Summary and Concluding Remarks**

Robert Fechtner (USA)



## WEDNESDAY JUNE 28, 2017

<b>2.00-3.00 pm</b>	<b>Room 103a+b</b>
<b>GS-W-23</b>	<b>Glaucoma Society of Taiwan Academy of Ophthalmology Symposium</b>
	<b>Glaucoma in Taiwan, present and future</b>
<i>Chair(s):</i>	Catherine Jui-Ling Liu (Taiwan); Da-Wen Lu (Taiwan)
2.00-2.10	<b>Overview of glaucoma in Taiwan</b> Da-Wen Lu (Taiwan)
2.10-2.20	<b>Impact of socioeconomic status on the diagnosis and management of glaucoma in Taiwan</b> Yu-Chieh Ko (Taiwan)
2.20-2.30	<b>How is myopic glaucoma diagnosed?</b> Yi-Chun Chen (Taiwan)
2.30-2.40	<b>Artifacts, pitfalls and accountability of OCT images interpretation</b> Henry Shen-Lih Chen (Taiwan)
2.40-2.50	<b>Microvascular density in OAG and NAION: An OCT angiography study</b> Chun-Hsiu Liu (Taiwan)
2.50-3.00	<b>Intra-tenon mitomycin C injection prior to trabeculectomy</b> Ying Ying Chen (Taiwan)





## WEDNESDAY JUNE 28, 2017

2.00-3.00 pm

GS-W-24

Room 201

Commonwealth of Independent States Society

Symposium

**Glaucoma surgery: results vs. conclusions***Chair(s):*

Tursungul Botabekova (Kazakhstan); Eugeny Egorov (Russian Federation); Zoya Veselovskay (Ukraine)

2.00-2.10

**Early and late results of surgical treatment glaucoma patients. Results from actual clinical practice.****A multicenter study results**

Eugeny Egorov (Russian Federation)

2.10-2.20

**Glaucoma progression. 2011-2016 results of the multicenter research groups "Scientific vanguard"**

Alexander Kuroyedov (Russian Federation)

2.20-2.30

**The experience of surgical treatment of neovascular glaucoma decompensation**

Zoya Veselovskay (Ukraine)

2.30-2.40

**Surgical treatment of extremely complicated forms of glaucoma**

Tatyana Imshenetskay (Belarus)

2.40-2.50

**Features of surgical treatment of pseudoexfoliation glaucoma**

Tursungul Botabekova (Kazakhstan)

2.50-3.00

**16 years of experience in the application of a modified laser cyclocoagulation in glaucoma patients with preserved visual functions. Retrospective analysis and prospects**

Alexey Egorov (Russian Federation)



## WEDNESDAY JUNE 28, 2017

<b>2.00-3.00 pm</b>	<b>Room 206</b>
<b>GS-W-25</b>	<b>Bulgarian Glaucoma Society Symposium</b>
	<b>Glaucoma diagnosis and therapy</b>
<i>Chair(s):</i>	Marieta Konareva-Kostjaneva (Bulgaria); Nataliya Petkova (Bulgaria)
2.00-2.10	<b>Central corneal thickness in patients with primary congenital glaucoma</b> Stanislava Ivanova (Bulgaria)
2.10-2.20	<b>OCT parameters in preperimetric open-angle glaucoma</b> Snezhina Kostianeva-Zhelinska (Bulgaria)
2.20-2.30	<b>Anterior segment optical coherence tomography of blebs after glaucoma filtering surgery</b> Ralitsa Kermedchieva (Bulgaria)
2.30-2.40	<b>XEN implantation controls intraocular pressure in medically and surgically refractory glaucoma associated with Sturge–Weber Syndrome. A case report</b> Anani Toshev (Bulgaria)
2.40-2.50	<b>Cyclophotocoagulation - out experience</b> Maria Yaneva (Bulgaria)
2.50-2.56	<b>Postoperative Late Onset Hypotony in Congenital Glaucoma and results of treatment with Autologous Blood Injection</b> Nataliya Petkova (Bulgaria)
2.56-3.00	<b>Discussion</b>



## WEDNESDAY JUNE 28, 2017

2.00-3.00 pm

GS-W-26

Room 207

Bangladesh Glaucoma Society Symposium

Glaucoma management in Bangladesh - a paradigm shift

Chair(s):

Ziaul Karim (Bangladesh); Zakia Sultana Shahid (Bangladesh)

2.00-2.08

**Improvement in glaucoma diagnosis and support of FORUM glaucoma workplace software**

Ziaul Karim (Bangladesh)

2.08-2.16

**POAG - Initial treatment: medication, laser or surgery**

Zakia Sultana Shahid (Bangladesh)

2.16-2.24

**Ocular hypertension: when to treat?**

Ruhi Mannan (Bangladesh)

2.24-2.32

**Laser trabeculoplasty: myths and facts**

Mizanur Rahman (Bangladesh)

2.32-2.40

**Glaucoma surgery: Current status and developments**

Nazrul Islam (Bangladesh)

2.40-2.48

**Management of failing filtration surgery**

M.A. Karim (Bangladesh)

2.48-3.00

**Discussion**

2.00-3.00 pm

GS-W-22

Room 208

Japan Glaucoma Society Symposium

In vivo imaging targeting glaucomatous optic neuropathy

Chair(s):

Yasuaki Kuwayama (Japan); Makoto Nakamura (Japan); Toru Nakazawa (Japan)

2.00-2.08

**RGC death imaging after axonal injury**

Toru Nakazawa (Japan)

2.08-2.16

**Utility of OCT for detection of localized retinal damage in glaucoma**

Linda Zangwill (United States)

2.16-2.24

**In vivo imaging of axonal transport in retinal ganglion cells**

Masaru Inatani (Japan)

2.24-2.32

**Assessment of glaucomatous changes in myopic patients**

Christopher Leung (Hong Kong)

2.32-2.40

**Lamina cribrosa defect in myopia and glaucoma**

Atsuya Miki (Japan)

2.40-2.48

**New insights into PPA of glaucoma**

Tae-Woo Kim (South Korea)



## WEDNESDAY JUNE 28, 2017

**3.15-4.00 pm**

**OP-W-1**

*Chair(s):*

**Hall 1**

**Opening Ceremony**

Tin Aung (Singapore); Robert Fechtner (United States)

3.15-3.16

**Welcome & Introduction of WGA President**

Robert Fechtner (United States)

3.16-3.20

**Welcome by WGA President**

Tin Aung (Singapore)

3.20-3.22

**Welcome by Finnish Glaucoma Society**

Hannu Uusitalo (Finland)

3.22-3.25

**Welcome in Helsinki**

Minister Pirkko Mattila (Finland)

3.25-3.30

**WGA Awards**

Tin Aung (Singapore)

3.30-3.35

**WGA-ICO Fellowship program**

Neeru Gupta (Canada)

3.35-3.38

**Update Glaucoma Societies**

Robert Fechtner (United States)

3.38-3.43

**Highlights WGC-2017**

Jonathan Crowston (Australia)

3.43-3.45

**WGC-2017 Film Festival winners**

Jonathan Crowston (Australia)

3.45-4.00

**Finland 100 years - a succes story of education**

Pirjo Hiidenmaa (Finland)

**4.15-5.45 pm**

**PRES-W-1**

*Chair(s):*

**Hall 1**

**Presidential Symposium**

**Exfoliation Syndrome - The first century**

Tin Aung (Singapore); Robert Ritch (United States);

Anja Tuulonen (Finland); Hannu Uusitalo (Finland)

4.15-4.30

**100 Years of exfoliation syndrome. John Lindberg and his legacy**

Ahti Tarkkanen (Finland)

4.30-4.45

**Genetics of exfoliation syndrome**

Tin Aung (Singapore)

4.45-5.00

**Etiology and pathophysiology of exfoliation syndrome**

Ursula Schlötzer-Schrehardt (Germany)

5.00-5.15

**Environmental determinants in exfoliation syndrome**

Louis Pasquale (United States)

5.15-5.30

**Complex cataract surgery in exfoliation syndrome-avoiding trouble**

Ike Ahmed (Canada)

5.30-5.45

**Current and future approaches to treatment**

Robert Ritch (United States)



**8.30-10.00 am**

**PS-T-1**

**Hall 1**

**Angle closure and angle closure glaucoma (APGS symposium)**

*Chair(s):*

Ivan Goldberg (Australia); Clement Tham (Hong Kong); Tetsuya Yamamoto (Japan)

8.30-8.42

**Definitions and classifications**

Paul Foster (United Kingdom)

8.42-8.55

**Epidemiology**

Makoto Araie (Japan)

8.55-9.07

**Mechanisms of angle closure**

Winifred Nolan (United Kingdom)

9.07-9.19

**Angle assessment**

Ching Lin Ho (Singapore)

9.19-9.31

**Prognosis of PAC / PACG**

Tetsuya Yamamoto (Japan)

9.31-9.43

**Management of PACG**

Clement Tham (Hong Kong)

9.43-9.55

**Management of acute PAC**

Seng Kheong Fang (Malaysia)

**8.30-10.00 am**

**PS-T-2**

**Hall 3b+c**

**Optimising cataract refractive surgery outcomes in the glaucoma patient**

*Chair(s):*

Florent Aptel (France); Esther Hoffmann (Germany)

8.30-8.48

**IOL-induced glaucoma**

Gus Gazzard (United Kingdom)

8.48-9.06

**Multifocal IOLs**

Julian Garcia Feijoo (Spain)

9.06-9.24

**Managing astigmatism**

Mark Wilkins (United Kingdom)

9.24-9.42

**Sutured and iris fixated IOLs**

Lutz Pillunat (Germany)

9.42-10.00

**Femtosecond laser assisted cataract surgery**

Marlene Moster (United States)



## THURSDAY JUNE 29, 2017

**8.30-10.00 am**

**Hall 3e**

**PS-T-3**

**Big data and glaucoma**

*Chair(s):*

David Garway-Heath (United Kingdom); Janey Wiggs (United States)

8.30-8.45

**Testing strategies for detecting glaucoma**

Andrew Tatham (United Kingdom)

8.45-9.00

**Technology and glaucoma detection in low income populations**

Heiko Philippin (Tanzania, United Republic of)

9.00-9.15

**GWAS and glaucoma**

Alex Hewitt (Australia)

9.15-9.30

**Getting the most out of big data (UK biobank experience)**

Fang Ko (United States)

9.30-9.45

**Visual fields and prediction of visual loss in glaucoma**

David Crabb (United Kingdom)

9.45-10.00

**Gene/ environment interactions**

James Craig (Australia)



## THURSDAY JUNE 29, 2017

**10.30-12.00 pm Hall 1**

**PL-T-1**

**The surgery smorgasbord - where are we now, where are we going?**

*Chair(s):* Peng Khaw (United Kingdom); Prin Rojanapongpun (Thailand); Ingeborg Stalmans (Belgium)

**10.30-10.45 Phaco: an effective glaucoma treatment?**

Tina Wong Tzee Ling (Singapore)

**10.45-11.00 Role of MIGS in modern glaucoma surgery**

Ike Ahmed (Canada)

**11.00-11.15 Where tubes fit in**

Keith Barton (United Kingdom)

**11.15-11.30 Why trabeculectomy is still important**

Anthony King (United Kingdom)

**11.30-11.45 Role of non-penetrating surgery**

Gordana Sunaric-Megevand (Switzerland)

**11.45-12.00 Angle closure surgery**

Clement Tham (Hong Kong)

THURSDAY



## THURSDAY JUNE 29, 2017

**1.15-2.00 pm**

**RF-T-1**

*Chair(s):*

**Open space Exhibit Hall**

**Rapid Fire Session 1**

Francesca Cordeiro (United Kingdom); Ingrida Januleviciene (Lithuania)

1.15-1.19

**Structural analysis of blebs filtration in long-term, functioning trabeculectomies vs eyes with XEN® implant using swept source OCT**

Javier Paz (Spain)

1.19-1.24

**A novel wet-lab teaching model for trabeculectomy surgery**

Alastair Porteous (United Kingdom)

1.24-1.28

**Excimer Laser Trabeculostomy (ELT), A "MIGS" procedure using no implants, lowers intraocular pressure over 8 years, both ELT alone & + phaco**

Michael Berlin (United States)

1.28-1.32

**The Sydney multicentre hydrus study: MiGS in the real world**

Ashish Agar (Australia)

1.32-1.36

**Treatment outcomes in the primary tube versus trabeculectomy (PTVT) study after one year of follow-up**

Sheng Lim (United Kingdom)

1.36-1.40

**Results from the CyCLE study for supraciliary micro-stent implantation combined with cataract surgery for open-angle glaucoma**

Ginger Clasby (United States)

1.40-1.44

**The reporting of diagnostic accuracy research in glaucoma: a study using STARD 2015**

Manuele Michelessi (Italy)

1.44-1.48

**Coronal section analyses of posterior scleral contour using swept-source OCT in human myopic patients**

Yong Chan Kim (South Korea)

1.48-1.52

**Lamina cribrosa depth change during valsalva maneuver in young healthy eyes**

Yong Woo Kim (South Korea)

1.52-1.56

**Postoperative complications in the primary tube versus trabeculectomy (PTVT) study during the first year of follow-up**

Keith Barton (United Kingdom)

1.56-2.00

**Prospective analysis of the incidence of and risk factors for the development of glaucoma in children following surgery for congenital cataract.**

Shantha Balekudaru (India)





## THURSDAY JUNE 29, 2017

**1.45-3.15 pm**

**PS-T-5**

*Chair(s):*

**Hall 3b+c**

**New discoveries in exfoliation (Lindberg Symposium)**

Gabor Hollo (Hungary); Fridbert Jonasson (Iceland); Tero Kivela (Finland); Robert Ritch (United States)

1.45-2.00

**Fibrillinopathy in the eye**

Dieter Reinhardt (Canada)

2.00-2.15

**Cell biology, autophagy and mitochondrial dysfunction in exfoliation syndrome**

Audrey Bernstein (United States)

2.15-2.30

**Growth factors, clusterin and complement-biomarkers in exfoliation syndrome**

Colm O'Brien (Ireland)

2.30-2.45

**Cardiovascular and cerebrovascular associations**

Murat Irkec (Turkey)

2.45-3.00

Other systemic disorders associated with exfoliation syndrome

Barbara Wirostko (United States)

3.00-3.15

**True exfoliation syndrome reawakened**

Chaiwat Teekhasaene (Thailand)

THURSDAY



## THURSDAY JUNE 29, 2017

**2.00-3.00 pm**

**PS-T-4**

*Chair(s):*

**Hall 1**

**Surgery for angle closure glaucoma**

Seng Kheong Fang (Malaysia); Gus Gazzard (United Kingdom)

2.00-2.15

**Surgical approaches to acute angle closure**

Prin Rojanapongpun (Thailand)

2.15-2.30

**Pitfalls of trabeculectomy in angle closure**

Hon-Tym Wong (Singapore)

2.30-2.45

**Key findings of the Eagle study surgery for angle closure glaucoma**

Augusto Azuara-Blanco (United Kingdom)

2.45-3.00

**Phaco with goniosynechiolysis: role and evidence**

Rahat Husain (Singapore)

**2.00-3.00 pm**

**PS-T-6**

*Chair(s):*

**Hall 3e**

**The impact of glaucoma**

Cecilia Fenerty (United Kingdom); George Spaeth (United States)

2.00-2.12

**Effect of co-morbidity + glaucoma**

Simon Skalicky (Australia)

2.12-2.24

**Measuring QOL in glaucoma studies**

Ecosse Lamoureux (Singapore)

2.24-2.36

**Patient reported outcomes**

Christoph Hirneiss (Germany)

2.36-2.48

**Mobility + glaucoma**

Pradeep Ramulu (United States)

2.48-3.00

**Driving + glaucoma**

Jonathan Clarke (United Kingdom)



## THURSDAY JUNE 29, 2017

**2.00-3.00 pm**

**PS-T-7**

*Chair(s):*

**Room 208**

**Africa Symposium**

David Friedman (United States); Neeru Gupta (Canada)

2.00-2.04

**Opening remarks - Problem & magnitude of glaucoma in sub-saharan Africa**

Neeru Gupta (Canada); Eddie Kgao Legodi (South Africa)

2.04-2.17

**What are the main barriers to glaucoma care?**

Olusola Olawoye (Nigeria)

2.17-2.30

**Clinical characteristics of glaucoma and management challenges**

Keith Martin (United Kingdom)

2.30-2.43

**Surgical approaches and unique considerations in Africa**

Dan Kiage (Kenya)

2.43-2.56

**Glaucoma in Nigeria and lessons learned**

Fatima Kyari (Nigeria)

2.56-2.58

**Possible research collaboration in African glaucoma genetics**

Tin Aung (Singapore)

2.58-3.00

**Closing remarks - opportunities to reduce blindness from glaucoma in sub-saharan Africa**

David Friedman (United States)

THURSDAY



## THURSDAY JUNE 29, 2017

**3.15-4.45 pm**

**Hall 1**

**C-T-1**

**OCT angiography in glaucoma**

*Chair(s):*

David Huang (United States); Linda Zangwill (United States)

3.15-3.27

**Evidence for a vascular component and the impact of ocular perfusion pressure on glaucoma**

Vital Costa (Brazil)

3.27-3.39

**Principles and scanning protocols of OCT angiography**

Kaweh Mansouri (Switzerland)

3.39-3.51

**OCT angiography vs structural assessment findings**

Gabor Hollo (Hungary)

3.51-4.03

**OCT angiography and glaucomatous optic nerve damage**

Tae-Woo Kim (South Korea)

4.03-4.15

**The Role of Microvasculature in the Pathophysiology of Glaucoma: Evidence from OCT Angiography**

Linda Zangwill (United States)

4.15-4.27

**Present and future of OCT angiography in glaucoma management**

Harsha Rao (India)

4.27-4.39

**Projection-resolve reflectance-compensated OCTA in glaucoma**

David Huang (United States)



**3.30-4.30 pm**

**C-T-4**

*Chair(s):*

**Hall 1b**

**Laser treatment of glaucoma - evidence update and practical tips**

Philip Bloom (United Kingdom); Winifred Nolan (United Kingdom)

3.30-3.42

**Trabeculoplasty**

Mark Latina (United States)

3.42-3.54

**Transcleral cyclophotocoagulation**

Paul Chew (Singapore)

3.54-4.06

**Endocyclophotocoagulation**

Philip Bloom (United Kingdom)

4.06-4.18

**Iridotomy**

Mani Baskaran (India)

4.18-4.30

**Iridoplasty**

Andrew White (Australia)

**3.30-4.30 pm**

**C-T-2**

*Chair(s):*

**Hall 3e**

**Trabeculectomy: the elements**

Eytan Blumenthal (Israel); Eugeny Egorov (Russian Federation); Jody Piltz Seymour (United States)

3.30-3.40

**Handling the conjunctiva**

Mark Sherwood (United States)

3.40-3.50

**Practical tips on applying MMC and 5-FU**

Vanita Pathak Ray (India)

3.50-4.00

**Designing the scleral flap**

Tarek Shaarawy (Switzerland)

4.00-4.10

**Fixed versus releasable sutures**

Jimmy Lai (Hong Kong)

4.10-4.20

**How to combine with phaco**

Fabian Lerner (Argentina)

4.20-4.30

**Anti-VEGF in trabeculectomy**

Luis Pinto (Portugal)



## THURSDAY JUNE 29, 2017

**3.30-4.30 pm** **Room 201**  
**C-T-6** **Advanced functional assessment of glaucoma**  
*Chair(s):* Allison McKendrick (Australia); Vittorio Porciatti (United States)

3.30-3.45 **What new tests need to do**  
Allison McKendrick (Australia)

3.45-4.00 **ERG**  
Brad Fortune (United States)

4.00-4.15 **Pattern ERG**  
Vittorio Porciatti (United States)

4.15-4.30 **New developments in visual field testing**  
David Crabb (United Kingdom)

**3.30-4.30 pm** **Room 203a+b**  
**C-T-5** **Perfecting the art of glaucoma phenotyping**  
*Chair(s):* Michael Coote (Australia); Susie Williams (South Africa)

3.30-3.42 **How to incorporate family history and genomics into practice**  
Susie Williams (South Africa)

3.42-3.54 **Gonioscopy**  
Gus Gazzard (United Kingdom)

3.54-4.06 **Discs**  
Michael Coote (Australia)

4.06-4.18 **Visual fields**  
Ananth Viswanathan (United Kingdom)

4.18-4.30 **Phenotyping the abnormal anterior segment**  
John Brookes (United Kingdom)

**3.30-4.30 pm** **Room 206**  
**C-T-7** **Hypotony - case based discussion**  
*Chair(s):* Paul Palmberg (United States); Steven Sarkisian (United States)

3.30-3.42 **Post trabeculectomy**  
Arvind Neelakantan (United States)

3.42-3.54 **Post tube**  
Shan Lin (United States)

3.54-4.06 **Post trauma**  
Keith Barton (United Kingdom)

4.06-4.18 **Uveitis**  
Sonya Bennett (New Zealand)

4.18-4.30 **Post vitreoretinal surgery**  
Shamira Perera (Singapore)



## THURSDAY JUNE 29, 2017

**3.30-4.30 pm**

**C-T-8**

*Chair(s):*

### Room 207

#### **Mouse and rat models of glaucoma**

Dong-Feng Chen (United States); James Morgan (United Kingdom)

3.30-3.42

#### **Viral vectors to raise IOP**

Abe Clark (United States)

3.42-3.54

#### **The translimbal laser photocoagulation model**

Hani Levkovitch-Verbin (Israel)

3.54-4.06

#### **Microbead**

Dong-Feng Chen (United States)

4.06-4.18

#### **Viscoelastic and hydrogel**

Christopher Leung (Hong Kong)

4.18-4.30

#### **Acute IOP elevation**

Bang Bui (Australia)

**3.30-4.30 pm**

**C-T-3**

*Chair(s):*

### Room 208

#### **New technologies to surf the future glaucoma tsunami**

Jack Cioffi (United States); Aachal Kotecha (United Kingdom)

3.30-3.42

#### **Technological advances in angle closure glaucoma**

Ronnie George (India)

3.42-3.54

#### **How technology could aid glaucoma management and teaching in Africa**

Steve Cook (South Africa)

3.54-4.06

#### **Technology to improve communication among allied health professionals**

Kate Taylor (Australia)

4.06-4.18

#### **How technology could enhance service delivery models for monitoring glaucoma**

Hans Lemij (Netherlands)

4.18-4.30

#### **Virtual glaucoma clinics**

Jeremy Diamond (United Kingdom)

THURSDAY



## THURSDAY JUNE 29, 2017

**4.45-5.45 pm**

**C-T-12**

*Chair(s):*

**Hall 1b**

**Exfoliation syndrome: from the laboratory to the clinic**

Terete Borrás (United States); Stefano Gandolfi (Italy)

4.45-4.55

**Clinical applicability of genetics in exfoliation syndrome**

Mineo Ozaki (Japan)

4.55-5.05

**Possibilities for altering gene expression in exfoliation syndrome**

Terete Borrás (United States)

5.05-5.15

**Animal models and what they can teach us**

John Fingert (United States)

5.15-5.25

**Cataract surgery in eyes with exfoliation syndrome**

Robert Fechtner (United States)

5.25-5.35

**Approaches to laser and surgical treatment of exfoliation glaucoma**

Richard Lee (United States)

5.35-5.45

**The pathology of exfoliation syndrome-a clinician's perspective**

Deepak Edward (United States)

**4.45-5.45 pm**

**C-T-9**

*Chair(s):*

**Hall 3b+c**

**Surgery in secondary and complicated glaucomas**

John Brookes (United Kingdom); Ingeborg Stalmans (Belgium)

4.45-4.57

**Extreme hyperopia**

Michael Coote (Australia)

4.57-5.09

**Extreme myopia**

Kyung Rim Sung (South Korea)

5.09-5.21

**Postretinal detachment**

Rodolfo Perez Grossman (Peru)

5.21-5.33

**Post DSAEK or penetrating keratectomy**

Tina Wong Tzee Ling (Singapore)

5.33-5.45

**Post Boston keratoprosthesis**

Marlene Moster (United States)





**4.45-5.45 pm**

**C-T-10**

*Chair(s):*

**Hall 3e**

**Surgery in pediatric glaucoma**

Sonya Bennett (New Zealand); John Grigg (Australia)

4.45-4.57

**Goniotomy: Tips and Tricks and how much angle is required for success**

Maria Papadopoulos (United Kingdom)

4.57-5.09

**Trabeculotomy: quadrant approach verse 360 degree surgery**

Franz Grehn (Germany)

5.09-5.21

**Trabeculectomy in children**

Peng Khaw (United Kingdom)

5.21-5.33

**Tube surgery: Does size or valved matter?**

Jamie Brandt (United States)

5.33-5.45

**Management beyond childhood**

Alessandra Martins (United Kingdom)

**4.45-6.00 pm**

**C-T-14**

*Chair(s):*

**Room 201**

**IOP assessment in clinical practice**

Anne Brooks (Australia); Kaweh Mansouri (Switzerland); Remo Susanna Jr. (Brazil)

4.45-4.57

**Evidence for IOP levels vs glaucoma progression**

Anders Heijl (Sweden)

4.57-5.09

**IOP fluctuation, mean or peak: what matters most on glaucoma management**

Remo Susanna Jr. (Brazil)

5.09-5.21

**Monocular trials for assessing treatment efficacy: pro and cons**

Ivan Tavares (Brazil)

5.21-5.33

**Isolate IOP measurement in daily clinical practice. Can we do better?**

Marcelo Hatanaka (Brazil)

5.33-5.45

**Continuous invasive and non-invasive IOP monitoring - present/future**

Crawford Downs (United States)

5.45-5.57

**Corneal deformation response in POAG**

Xiulan Zhang (China)



## THURSDAY JUNE 29, 2017

**4.45-5.45 pm**

**C-T-13**

*Chair(s):*

**Room 203a+b**

**Neuroprotection - the future of glaucoma treatment**

Leonard Levin (Canada); Keith Martin (United Kingdom); Alice Pebay (Australia)

4.45-4.57

**Mitochondrial dysfunction in glaucoma**

Pete Williams (United States)

4.57-5.09

**Regulation of lactate transport**

Miriam Kolko (Denmark)

5.09-5.21

**Should neuroprotective treatment in glaucoma target the entire brain or just the optic nerve**

Mitchell Lawlor (Australia)

5.21-5.33

**Stem cells in glaucoma treatment**

Alice Pebay (Australia)

5.33-5.45

**Neuro regeneration**

Keith Martin (United Kingdom)

**4.45-5.45 pm**

**C-T-15**

*Chair(s):*

**Room 206**

**Update on neovascular glaucoma management**

Marcelo Nicolela (Canada); Goji Tomita (Japan)

4.45-4.57

**Pathogenesis and prevalence of neovascular glaucoma and blindness**

Ahmad Aref (United States)

4.57-5.09

**Treatment strategies at different phases of disease**

Rajul Parikh (India)

5.09-5.21

**Controlling the neovascularisation process - the role of anti-VEGF injections**

Patricio Schlotman (Argentina)

5.21-5.33

**Treatment strategies in eyes with cataract preventing retinal photocoagulation**

Augusto Paranhos Jr (Brazil)

5.33-5.45

**Optimizing surgical treatment outcomes**

Daniel Grigera (Argentina)



## THURSDAY JUNE 29, 2017

**4.45-5.45 pm**

**C-T-16**

*Chair(s):*

**Room 207**

**Alternative and complementary therapies for glaucoma**

Catherine Birt (Canada); Murray Fingeret (United States)

4.45-4.55

**Lifestyle and Glaucoma**

Chan-Yun Kim (South Korea)

4.55-5.05

**The role of exercise, diet and vitamin supplementation**

Cindy Hutnik (Canada)

5.05-5.15

**Meditation and YOGA therapy**

Tanuj Dada (India)

5.15-5.25

**Electric brain stimulation**

Bernhard Sabel (Germany)

5.25-5.35

**New insights in the pathogenesis and treatment of normal tension glaucoma**

R. Ramakrishnan (India)

5.35-5.45

**Gingko biloba in glaucoma**

Norman Aquino (Philippines)

THURSDAY



## THURSDAY JUNE 29, 2017

**4.45-5.45 pm**

**Room 208**

**C-T-11**

**Surgery in the developing world**

*Chair(s):*

Nagib Du Toit (South Africa); Winifred Nolan (United Kingdom)

4.45-5.00

**Personal view/experience**

Nagib Du Toit (South Africa)

5.00-5.15

**Personal view/experience**

Ramanjit Sihota (India)

5.15-5.30

**Personal view/experience**

Colin Cook (South Africa)

5.30-5.45

**Personal view/experience**

Nathan Congdon (China)



## FRIDAY JUNE 30, 2017

**8.30-10.00 am**      **Hall 1**  
**PS-F-1**              **MIGS - the evidence**  
*Chair(s):*            Andre Mermoud (Switzerland); Herbert Reitsamer (Austria)

8.30-8.45              **Incorporating MIGS into your practice (what MIG for whom?)**  
 Leon Au (United Kingdom)

8.45-9.00              **Trabeculotomy**  
 Sameh Mosaed (United States)

9.00-9.15              **iStent**  
 Lydia Chang (United Kingdom)

9.15-9.30              **XEN**  
 Ingeborg Stalmans (Belgium)

9.30-9.45              **Hydrus**  
 Norbert Pfeiffer (Germany)

9.45-10.00            **Cypass, iStent supra**  
 Carl Erb (Germany)

**8.30-10.00 am**      **Hall 3b+c**  
**PS-F-2**              **Glaucoma progression**  
*Chair(s):*            Anders Heijl (Sweden); Alexander Kuroyedov (Russian Federation)

8.30-8.45              **Function: Event and trend based progression analysis**  
 Pradeep Ramulu (United States)

8.45-9.00              **Alternative functional tests to detect glaucomatous field defects and progression**  
 Carlos Gustavo de Moraes (United States)

9.00-9.15              **Structure: How to determine glaucoma progression by OCT / HRT**  
 Linda Zangwill (United States)

9.15-9.30              **Quantitative & qualitative assessment of Glaucoma progression by HRT**  
 Ramanjit Sihota (India)

9.30-9.45              **Structure/function relationship according to disease severity: how to merge these information into clinical decision making process**  
 Felipe Medeiros (United States)

9.45-10.00            **How to identify fast progressors**  
 David Garway-Heath (United Kingdom)



## FRIDAY JUNE 30, 2017

**8.30-10.00 am**      **Hall 3e**  
**PS-F-3**              **Glaucoma genomics**  
*Chair(s):*           Michael Hauser (United States); Subhabrata Chakrabarti (India)

8.30-8.45              **Implications of GWAS studies**  
 Calvin Pang (Hong Kong)

8.45-9.00              **Genotype-Phenotype correlations in glaucoma**  
 Janey Wiggs (United States)

9.00-9.15              **PXF Genomics**  
 Michael Hauser (United States)

9.15-9.30              **Genomics of congenital & development glaucoma**  
 Subhabrata Chakrabarti (India)

9.30-9.45              **Genomics of PACG**  
 Eranga Vithana (Singapore)

9.45-10.00            **Biomarkers for glaucoma**  
 John Flanagan (United States)

**8.30-11.00 am**      **Room 209**  
**Skills Transfer Workshop on stereoscopic optic disc evaluation course**  
 In this highly interactive course, participants will learn to discriminate healthy discs from glaucomatous discs. Special attention will be paid to disc size, myopic discs, tilted discs, peripapillary atrophy, disc hemorrhages, the retinal nerve fiber layer and many other important optic disc features that need to be taken into consideration.  
 Stereoviewers will be made available.  
 Course Organizer: Hans Lemij (The Netherlands)  
*This workshop is fully booked.*



## FRIDAY JUNE 30, 2017

<b>10.30-12.00 pm</b>	<b>Hall 1</b>
<b>PL-F-1</b>	<b>Hot debates in glaucoma - in honour of Juhani Airaksinen</b>
<i>Chair(s):</i>	Lisandro Sakata (Brazil); Kuldev Singh (United States)
10.30-10.40	<b>With recent advances in optic nerve imaging, I believe that baseline optic nerve stereo photos are still essential</b> George Spaeth (United States)
10.40-10.45	<b>With recent advances in optic nerve imaging, I believe that baseline optic nerve stereo photos are now unnecessary</b> Felipe Medeiros (United States)
10.45-10.50	<b>In a patient with open angle glaucoma, a concurrent diagnosis of moderate to high myopia: does not fundamentally influence diagnosis and treatment</b> Tin Aung (Singapore)
10.50-10.55	<b>In a patient with open angle glaucoma, a concurrent diagnosis of moderate to high myopia: influences diagnosis but not treatment</b> Ki Ho Park (South Korea)
10.55-11.00	<b>In a patient with open angle glaucoma, a concurrent diagnosis of moderate to high myopia: influences both diagnosis and treatment</b> Robert Chang (United States)
11.00-11.05	<b>In 5 years, the most successful glaucoma drug delivery system will be: extraocular IOP lowering drug delivery</b> Jamie Brandt (United States)
11.05-11.10	<b>In 5 years, the most successful glaucoma drug delivery system will be: intracameral IOP lowering drug delivery</b> Ingeborg Stalmans (Belgium)
11.10-11.15	<b>In 5 years, the most successful glaucoma drug delivery system will be: intravitreal IOP lowering drug delivery</b> Uday Kompella (United States)
11.15-11.20	<b>Non bleb forming MIGS surgery is: a passing fad</b> Robert Weinreb (United States)
11.20-11.25	<b>Non bleb forming MIGS surgery: is here to stay</b> Ike Ahmed (Canada)
11.25-11.30	<b>In a patient with well controlled mild glaucoma on one IOP lowering medication who requires cataract surgery I generally perform: cataract surgery alone</b> Fabian Lerner (Argentina)
11.30-11.35	<b>In a patient with well controlled mild glaucoma on one IOP lowering medication who requires cataract surgery I generally perform: cataract surgery with a MIGS procedure</b> Julian Garcia Feijoo (Spain)



11.35-11.40	<b>In 5 years, the “go to” surgical procedure in patients with advanced uncontrolled glaucoma will be trabeculectomy</b> Tanuj Dada (India)
11.40-11.45	<b>In 5 years, the go to surgical procedure in patients with uncontrolled glaucoma will be a bleb forming procedure employing a device</b> Syril Dorairaj (United States)
11.45-11.50	<b>In 5 years, the go to surgical procedure in patients with advanced uncontrolled glaucoma will be a non bleb forming procedure</b> Tarek Shaarawy (Switzerland)





## FRIDAY JUNE 30, 2017

**1.15-2.00 pm**

**RF-F-2**

*Chair(s):*

**Open space Exhibit Hall**

**Rapid Fire Session 2**

Henny Beckers (Netherlands); Miriam Kolko (Denmark)

1.15-1.19

**Development of virtual reality environments for evaluation of visual disability**

Alexander Lam (Hong Kong)

1.19-1.24

**Comprehensive genomic/transcriptomic architecture of glaucoma in CYP1B1 and MYOC knockouts of primary rat TM and RGCs using CRISPR/Cas9 system**

Muneeb Faiq (India)

1.24-1.28

**Corneal dynamic properties under air puff excitation**

Match Wai Lun Ko (Hong Kong)

1.28-1.32

**Association between glaucomatous visual field loss and morphological changes of the optic nerve head following acute intraocular pressure elevations**

Tin Aung Tun (Singapore)

1.32-1.36

**Comparison of the new low cost non valved glaucoma drainage device with Ahmed glaucoma valve (AGV) in refractory pediatric glaucoma**

Sriramani Gollakota (India)

1.36-1.40

**ABiC – A new MIGS**

Norbert Koerber (Germany)

1.40-1.44

**eyeWatch, an innovative adjustable GDD for the treatment of glaucoma: report on the first clinical results**

Andre Mermoud (Switzerland)

1.44-1.48

**Safety and efficacy of a low cost glaucoma drainage device for refractory childhood glaucoma**

Sushmita Kaushik (India)

1.48-1.52

**A new surgical technique of intra-scleral tube fixation in Ahmed glaucoma valve to prevent tube related complications: 'scleral sleeve method'**

Charudutt Kalamkar (India)

1.52-1.56

**Evaluation of the XEN gel stent efficacy in open-angle glaucoma treatment – preliminary results**

Ewa Walek (Poland)

**FRIDAY**



## FRIDAY JUNE 30, 2017

**1.45-3.15 pm**

**Room 203a+b**

**PS-F-7**

**Patient Oriented Symposium**

*Chair(s):*

Ivan Goldberg (Australia); Robert Ritch (United States)

1.45-1.57

**Problems faced by persons with glaucoma**

Pradeep Ramulu (United States)

1.57-2.09

**My Glaucoma Story - the Highs and Lows**

Joe Lovett (United States)

2.09-2.21

**Scotoma awareness and low vision assistance**

August Colenbrander (United States)

2.21-2.33

**Teaching residents to deal with low vision**

Jack Cioffi (United States)

2.33-2.45

**What should the ophthalmologist do in the developed world?**

Geoff Pollard (Australia)

2.45-2.57

**What can the ophthalmologist do in the developing world?**

Olusola Olawoye (Nigeria)

2.57-3.09

**Untying our hands**

Ivo Kocur (Switzerland)



## FRIDAY JUNE 30, 2017

<b>2.00-3.00 pm</b> <b>PS-F-4</b> <i>Chair(s):</i>	<b>Hall 1</b> <b>Risk profiling</b> Fotis Topouzis (Greece); Robert Weinreb (United States)
2.00-2.12	<b>POAG</b> Fernando Gomez (Colombia)
2.12-2.24	<b>NTG</b> Michael S. Kook (South Korea)
2.24-2.36	<b>PACG</b> Steven Mansberger (United States)
2.36-2.48	<b>Overview of ethnicity and race</b> M. Roy Wilson (United States)
2.48-3.00	<b>How to incorporate glaucoma genetics into the clinic?</b> Ramanjit Sihota (India)
<b>2.00-3.00 pm</b> <b>PS-F-5</b> <i>Chair(s):</i>	<b>Hall 3b+c</b> <b>What really happens to retinal ganglion cells in glaucoma</b> Makoto Aihara (Japan); James Morgan (United Kingdom)
2.00-2.15	<b>Why do ganglion cells die in glaucoma</b> James Morgan (United Kingdom)
2.15-2.30	<b>Neuroglial interactions</b> Nicholas Marsh-Armstrong (United States)
2.30-2.45	<b>Auto immunity in glaucoma</b> Franz Grus (Germany)
2.45-3.00	<b>Autophagy in glaucoma</b> Pat Boya (Spain)
<b>2.00-3.00 pm</b> <b>PS-F-6</b> <i>Chair(s):</i>	<b>Hall 3e</b> <b>What's new in IOP?</b> Paul Kaufman (United States); Sameh Mosaed (United States)
2.00-2.15	<b>Future of IOP reduction</b> Toshihiro Inoue (Japan)
2.15-2.30	<b>Advances in aqueous humor dynamics</b> Arthur Sit (United States)
2.30-2.45	<b>24-hour IOP</b> Kaweh Mansouri (Switzerland)
2.45-3.00	<b>Ocular perfusion pressure</b> Leopold Schmetterer (Austria)



## FRIDAY JUNE 30, 2017

<b>3.30-4.30 pm</b>	<b>Hall 1b</b>
<b>C-F-4</b>	<b>Myopia and glaucoma</b>
<i>Chair(s):</i>	Jost Jonas (Germany); Ki Ho Park (South Korea)
3.30-3.42	<b>High myopia and glaucoma. Aspects in etiology, anatomy and pathogenesis</b> Jost Jonas (Germany)
3.42-3.54	<b>Myopic change vs glaucomatous change</b> Kazuhisa Sugiyama (Japan)
3.54-4.06	<b>How to diagnose glaucoma among highly myopic eyes</b> Mingguang He (China)
4.06-4.18	<b>The retinal nerve fiber layer in myopia - implications for glaucoma</b> Vinay Nangia (India)
4.18-4.30	<b>Surgical complications in myopic patients</b> Ricardo Guedes (Brazil)
<b>3.30-4.30 pm</b>	<b>Hall 3b+c</b>
<b>C-F-1</b>	<b>Normal tension glaucoma: pathogenesis, progression and treatment</b>
<i>Chair(s):</i>	Makoto Araie (Japan); Alon Harris (United States)
3.30-3.40	<b>Ocular blood flow</b> Alon Harris (United States)
3.40-3.50	<b>LOGTS revisited</b> Robert Ritch (United States)
3.50-4.00	<b>Ocular perfusion pressure</b> Michael S. Kook (South Korea)
4.00-4.10	<b>The role of CSF</b> Ningli Wang (China)
4.10-4.20	<b>Lamina cribrosa configuration in normal tension glaucoma</b> Tae-Woo Kim (South Korea)
4.20-4.30	<b>Risk factors for progression under treatments/without treatment</b> Catherine Jui-Ling Liu (Taiwan)



## FRIDAY JUNE 30, 2017

<b>3.30-4.30 pm</b>	<b>Hall 3e</b>
<b>C-F-2</b>	<b>Tube surgery - the elements</b>
<i>Chair(s):</i>	Lama Al-Aswad (United States); Nuwan Niyadurupola (United Kingdom)
3.30-3.42	<b>Tubes: who, when &amp; why?</b> Jamie Brandt (United States)
3.42-3.54	<b>Positioning of the tube: where in which patient?</b> Kyoko Ishida (Japan)
3.54-4.06	<b>Options for covering the tube</b> Sheng Lim (United Kingdom)
4.06-4.18	<b>How to handle postop pressure and wound healing</b> Surinder Pandav (Australia)
4.18-4.30	<b>New developments in tubes</b> Andre Mermoud (Switzerland)
<b>3.30-4.30 pm</b>	<b>Room 203a+b</b>
<b>C-F-5</b>	<b>Should we screen for glaucoma?</b>
<i>Chair(s):</i>	Michael Chaglasian (United States); Paul Healey (Australia); Susie Williams (South Africa)
3.30-3.42	<b>Detecting blinding disease</b> Suman Thapa (Nepal)
3.42-3.54	<b>Improving access</b> Thasarat Vajaranant (United States)
3.54-4.06	<b>Role of technology</b> Chris Johnson (United States)
4.06-4.18	<b>Cost implications of glaucoma screening</b> John Thygesen (Denmark)
4.18-4.30	<b>Should we screen?</b> Michael Boland (United States)



## FRIDAY JUNE 30, 2017

<b>3.30-4.30 pm</b> <b>C-F-6</b> <i>Chair(s):</i>	<b>Room 201</b> <b>Sustainable glaucoma care and health economics</b> Frances Meier-Gibbons (Switzerland); Rohit Varma (United States)
3.30-3.40	<b>New models of care discussion</b> Paul Lee (United States)
3.40-3.50	<b>Glaucoma medication and their influence on the quality of life of patients</b> Frances Meier-Gibbons (Switzerland)
3.50-4.00	<b>Generics: Friend or foe</b> Ingrida Januleviciene (Lithuania)
4.00-4.10	<b>How should we utilise baseline risk factors in patient glaucoma management?</b> Rohit Varma (United States)
4.10-4.20	<b>Is drop therapy the most sustainable first line treatment option in glaucoma?</b> David Friedman (United States)
4.20-4.30	<b>How should I be monitoring my ocular hypertensive patients?</b> Anja Tuulonen (Finland)
<b>3.30-4.30 pm</b> <b>C-F-7</b> <i>Chair(s):</i>	<b>Room 206</b> <b>Pursuing a career as a clinician-scientist</b> Jack Cioffi (United States); Neeru Gupta (Canada); James Tsai (United States)
3.30-3.42	<b>How to collaborate - PhD viewpoint</b> Cynthia Roberts (United States)
3.42-3.54	<b>How to collaborate - MD viewpoint</b> James Tsai (United States)
3.54-4.06	<b>International collaborations and consortia</b> David Mackey (Australia)
4.06-4.18	<b>Balancing clinical demands</b> Neeru Gupta (Canada)
4.18-4.30	<b>How to build a department</b> Jack Cioffi (United States)



## FRIDAY JUNE 30, 2017

<b>3.30-4.30 pm</b>	<b>Room 207</b>
<b>C-F-8</b>	<b>Novel animal models for glaucoma</b>
<i>Chair(s):</i>	Abe Clark (United States); Carol Toris (United States)
3.30-3.45	<b>Rodent model of CSF pressure and glaucoma</b> Bang Bui (Australia)
3.45-4.00	<b>Aqueous humor dynamics in the mouse</b> Makoto Aihara (Japan)
4.00-4.15	<b>Tree shrew - a rodent model for lamina cribosa</b> Brian Samuels (United States)
4.15-4.30	<b>Zebrafish model of glaucoma</b> Hemant Khanna (United States)
<b>3.30-4.30 pm</b>	<b>Room 208</b>
<b>C-F-3</b>	<b>Fixing problems after trabeculectomy and non-penetrating surgery</b>
<i>Chair(s):</i>	Teresa Chen (United States); Ronnie George (India)
3.30-3.42	<b>Flat and cystic blebs</b> Alan Robin (United States)
3.42-3.54	<b>Overfiltration</b> Peter Shah (United Kingdom)
3.54-4.06	<b>Bleb dysesthesia</b> Beth Edmunds (United States)
4.06-4.18	<b>Leaking blebs</b> Eytan Blumenthal (Israel)
4.18-4.30	<b>Complications after non-penetrating glaucoma surgery</b> Colin Clement (Australia)
<b>3.30-5.30 pm</b>	<b>Room 209</b>
	<b>Workshop OCT and glaucoma</b>
	OCT imaging takes an ever increasing role in glaucoma management. In this course, participants will learn to recognize artefacts in OCT imaging for glaucoma diagnosis. They will also learn to judge the quality of the images. In a next step, they will learn to interpret the images and how they may assist them in the management of glaucoma. This will all be done by examining many images (both structural and functional) of a multitude of clinically interesting cases, supported by evidence from larger studies, if required. The design of the programme is highly interactive. An active participation of the participant is expected.
	Course Organizer: Hans Lemij (The Netherlands)
	<i>This workshop is fully booked.</i>



## FRIDAY JUNE 30, 2017

<b>4.45-5.45 pm</b> <b>C-F-12</b> <i>Chair(s):</i>	<b>Hall 1b</b> <b>Diagnosis and management of a glaucoma suspect</b> Dexter Leung (Hong Kong); Osamah Saeedi (United States)
4.45-4.55	<b>Classification of a glaucoma suspect</b> Toru Nakazawa (Japan)
4.55-5.05	<b>Preferred practice pattern guidelines</b> Sayoko Moroi (United States)
5.05-5.15	<b>Risk stratification and calculators</b> Parul Ichhpujani (India)
5.15-5.25	<b>Role of functional testing</b> Akira Sawada (Japan)
5.25-5.35	<b>When it's not glaucoma: The neuro-ophthalmologic differential diagnosis</b> Mark Moster (United States)
5.35-5.45	<b>Management strategy of primary angle closure suspect</b> Hiroshi Sakai (Japan)
<b>4.45-5.45 pm</b> <b>C-F-9</b> <i>Chair(s):</i>	<b>Hall 3b+c</b> <b>Practical tips &amp; tricks for minimally invasive glaucoma surgery</b> Anne Louise Coleman (United States); Antonio Fea (Italy)
4.45-4.57	<b>Trabectome</b> Sameh Mosaed (United States)
4.57-5.09	<b>iStent</b> Lydia Chang (United Kingdom)
5.09-5.21	<b>Hydrus</b> Norbert Pfeiffer (Germany)
5.21-5.33	<b>Cypass and iStent supra</b> Leon Au (United Kingdom)
5.33-5.45	<b>XEN</b> Herbert Reitsamer (Austria)





## FRIDAY JUNE 30, 2017

<b>4.45-5.45 pm</b>	<b>Hall 3e</b>
<b>C-F-10</b>	<b>Fixing problems with tubes</b>
<i>Chair(s):</i>	Henny Beckers (Netherlands); Paul Chew (Singapore)
4.45-4.57	<b>Low IOP post tube, how to avoid and manage</b> Albert Khouri (United States)
4.57-5.09	<b>Blocked tube</b> Paul Healey (Australia)
5.09-5.21	<b>Tube exposure</b> Jorge Acosta (Argentina)
5.21-5.33	<b>Cystic blebs</b> Ching Lin Ho (Singapore)
5.33-5.45	<b>Too long - too short</b> Cecilia Fenerty (United Kingdom)
<b>4.45-5.45 pm</b>	<b>Room 201</b>
<b>C-F-14</b>	<b>Image reading + grading</b>
<i>Chair(s):</i>	Brad Fortune (United States); Mingguang He (China)
4.45-4.57	<b>Grading fundus photographs for glaucoma and progression</b> Ching-Yu Cheng (Singapore)
4.57-5.09	<b>Grading UBM images</b> Rizwana Siddiqi (United Kingdom)
5.09-5.21	<b>Quantifying glaucoma progression with the CSLO</b> Chris Bowd (United States)
5.21-5.33	<b>Interpreting OCT in glaucoma diagnosis and progression</b> Brad Fortune (United States)
5.33-5.45	<b>Optic nerve imaging in myopic eyes</b> Jin A. Choi (South Korea)



## FRIDAY JUNE 30, 2017

<b>4.45-5.45 pm</b> <b>C-F-13</b> <i>Chair(s):</i>	<b>Room 203a+b</b> <b>Advanced glaucoma in low income populations</b> Fatima Kyari (Nigeria); Tony Realini (United States)
4.45-4.57	<b>Public awareness and acceptance of treatment</b> Heiko Philippin (Tanzania, United Republic of)
4.57-5.09	<b>Training eye case professionals</b> Cathy Green (Australia)
5.09-5.21	<b>Role of technology</b> Sheila Marco (Kenya)
5.21-5.33	<b>Sustainable effective treatment options</b> Tony Realini (United States)
5.33-5.45	<b>Cost effective glaucoma programmes</b> Garudadri Chandra Sekhar (India)
<b>4.45-5.45 pm</b> <b>C-F-15</b> <i>Chair(s):</i>	<b>Room 206</b> <b>Proteomic approach to better glaucoma care</b> Roger W Beuerman (Singapore); Hannu Uusitalo (Finland)
4.45-5.00	<b>Tear fluid proteome: a window to health of the eye</b> Roger W Beuerman (Singapore)
5.00-5.15	<b>Bioinformatic applications in proteomic research</b> Matti Nykter (Finland)
5.15-5.30	<b>Proteomic and Immunoproteomic approach to ganglion cell death and cure</b> Franz Grus (Germany)
5.30-5.45	<b>Ocular surface proteomics in glaucoma: Key to better glaucoma care</b> Hannu Uusitalo (Finland)
<b>4.45-5.45 pm</b> <b>C-F-16</b> <i>Chair(s):</i>	<b>Room 207</b> <b>Looking over the glaucoma horizon</b> Jeffrey Liebmann (United States); Janet Serle (United States)
4.45-4.57	<b>New and future approaches to medical IOP lowering</b> Janet Serle (United States)
4.57-5.09	<b>New and future approaches to neuroprotection</b> Leonard Levin (Canada)
5.09-5.21	<b>New and future approaches to imaging and modifying Schlemm's Canal</b> Jeffrey Liebmann (United States)
5.21-5.33	<b>New and future approaches to "stenting the eye"</b> Paul Palmberg (United States)



## FRIDAY JUNE 30, 2017

**4.45-5.45 pm**

**Room 208**

**C-F-11**

**CSF pressure + glaucoma**

*Chair(s):*

John Berdahl (United States); Jost Jonas (Germany)

4.45-5.00

**CSFP and the mechanism of glaucoma**

Ningli Wang (China)

5.00-5.15

**Clinical evidence for CSFP in glaucoma**

John Berdahl (United States)

5.15-5.30

**Non-invasive CSF Pressure measurement**

Arthur Sit (United States)

5.30-5.45

**CSF Pressure and glaucomatous optic neuropathy**

Jost Jonas (Germany)

**FRIDAY**





## SATURDAY JULY 1, 2017

**8.30-10.00 am**

**PS-S-1**

*Chair(s):*

**Hall 1**

**Current glaucoma management - medical & laser therapy**

Anton Hommer (Austria); Remo Susanna Jr. (Brazil); Visanee Tantisevi (Thailand)

8.30-8.45

**Setting a target and initiating ocular hypotensive therapy**

Steven Mansberger (United States)

8.45-9.00

**Cost effectiveness of first line treatment**

Rupert Bourne (United Kingdom)

9.00-9.15

**New drugs on the horizon**

Alana Grajewski (United States)

9.15-9.30

**Evidence based effectiveness of SLT as first line therapy**

Tony Realini (United States)

9.30-9.45

**Cost effectiveness of first line therapy medical vs laser**

Arthur Sit (United States)

9.45-10.00

**Looking beyond IOP**

Eugenio A Maul (Chile)

**8.30-10.00 am**

**PS-S-2**

*Chair(s):*

**Hall 3b+c**

**OCT in glaucoma: present and future**

Catherine Jui-Ling Liu (Taiwan); Linda Zangwill (United States)

8.30-8.45

**Structure function relationship**

Kouros Nouri-Mahdavi (United States)

8.45-9.00

**Ganglion cell analysis in glaucoma**

Ki Ho Park (South Korea)

9.00-9.15

**Does RNFL change predict field change? Does stereophotographs assessment support these changes?**

Christopher Leung (Hong Kong)

9.15-9.30

**Pitfalls in OCT imaging**

Nick Strouthidis (United Kingdom)

9.30-9.45

**OCT angiography**

David Huang (United States)

9.45-10.00

**How to use OCT in glaucoma management. Is it time to replace stereophotographs?**

Catherine Jui-Ling Liu (Taiwan)

SATURDAY



## SATURDAY JULY 1, 2017

<b>8.30-10.00 am</b>	<b>Hall 3e</b>
<b>PS-S-3</b>	<b>Populations to practice</b>
<i>Chair(s):</i>	Fatima Kyari (Nigeria); Lingam Vijaya (India)
8.30-8.45	<b>Glaucoma prevalence and blindness</b> Fatima Kyari (Nigeria)
8.45-9.00	<b>Developing POAG risk profiles for clinical practice using population based data</b> Lingam Vijaya (India)
9.00-9.15	<b>Early diagnosis of angle closure in high-risk populations</b> Lisandro Sakata (Brazil)
9.15-9.30	<b>Blood pressure, perfusion pressure and glaucoma</b> Anthony Khawaja (United Kingdom)
9.30-9.45	<b>How clinical trials influence my practice</b> Kuldev Singh (United States)
9.45-10.00	<b>Eagle and impact on angle closure management</b> Augusto Azuara-Blanco (United Kingdom)
<b>10.30-11.30 am</b>	<b>Hall 1</b>
<b>PL-S-1</b>	<b>Grand rounds</b>
<i>Chair(s):</i>	Eytan Blumenthal (Israel); David Friedman (United States); Fabian Lerner (Argentina); Tarek Shaarawy (Switzerland)
10.30-10.45	<b>Cyclodialysis cleft treatment: How to preserve conjunctival filtration?</b> Stefania Piludu (Italy)
10.45-11.00	<b>Sudden visual scotoma in a woman with exfoliation glaucoma</b> Luis Silva (United States)
11.00-11.15	<b>Internal carotid artery aneurysm simulating normal tension glaucoma</b> Mário Pincelli Netto (Brazil)
11.15-11.30	<b>An interesting case of angle closure glaucoma</b> Ayyappa Reddy Mallidi (India)



## SATURDAY JULY 1, 2017

**11.45-1.15 pm**

**PS-S-4**

*Chair(s):*

**Hall 1**

**My worst nightmare as a glaucoma surgeon**

Alain Bron (France); Anne Louise Coleman (United States)

11.45-12.03

**Phaco / Small eyes**

Eugenio J. Maul (Chile)

12.03-12.21

**Trabeculectomy**

Carlo Traverso (Italy)

12.21-12.39

**Soft eyes**

Tony Wells (Australia)

12.39-12.57

**Excessive postoperative fibrosis**

Franz Grehn (Germany)

12.57-1.15

**Tubes**

Susana Duch (Spain)

**11.45-1.15 pm**

**PS-S-5**

*Chair(s):*

**Hall 3b+c**

**New frontiers in glaucoma**

Pat Boya (Spain); Adriana Di Polo (Canada); Crawford Downs (United States)

11.45-11.57

**The glaucoma triumvirate- IOP, CNS and venous pressure at the optic nerve head**

Osamah Saeedi (United States)

11.57-12.09

**In vivo imaging of the distal outflow system**

Alex Huang (United States)

12.09-12.21

**IOP variability**

Crawford Downs (United States)

12.21-12.33

**How can bioimaging aid glaucoma diagnosis and monitoring**

Francesca Cordeiro (United Kingdom)

12.33-12.45

**Neuro inflammation**

Adriana Di Polo (Canada)

12.45-12.57

**The promise of RGC transplantation**

Keith Martin (United Kingdom)

12:57-13:09

**Neurorecovery**

Jonathan Crowston (Australia)

SATURDAY



## SATURDAY JULY 1, 2017

**11.45-1.15 pm**

**Hall 3e**

**PS-S-6**

**Biomechanics in glaucoma**

*Chair(s):*

Cynthia Roberts (United States); Nick Strouthidis (United Kingdom)

11.45-12.03

**Corneal biomechanics**

Cynthia Roberts (United States)

12.03-12.21

**Biomechanics in clinical practice**

Nick Strouthidis (United Kingdom)

12.21-12.39

**Optic nerve biomechanics**

Michael Girard (Singapore)

12.39-12.57

**Trabecular meshwork biomechanics**

Darryl Overby (United Kingdom)

12.57-1.15

**Biomechanics of presbyopia and relevance to glaucoma**

Paul Kaufman (United States)





# ENDURING MATERIALS



The 7th World Glaucoma Congress is capturing the following sessions in video format. All captured sessions will be made available after the congress via the online WGA educational portal which can be found on [www.worldglaucoma.org](http://www.worldglaucoma.org) as of the end of August.

The following WGC-2017 sessions will be video-captured:

## WEDNESDAY JUNE 28

7.30-8.30 am	<b>Room 203a+b</b> Exfoliation SIG - New studies on the genetics of exfoliation syndrome
9.00-12.00 pm	<b>Room 208</b> Finnish Glaucoma Society 20th anniversary symposium "Towards the Personalized Glaucoma Care"
1.00-2.00 pm	<b>Hall 3e</b> Industry Symposium Glaucoma: the patient's view
3.15-4.00 pm	<b>Hall 1</b> Opening Ceremony & Keynote lecture
4.15-5.45 pm	<b>Hall 1</b> President's Symposium: Exfoliation Syndrome - The first century

## THURSDAY JUNE 29

7.30 - 8.30 am	<b>Room 203</b> Industry Symposium MIGS - Start Here: Treatment Algorithms and Beyond
7.30 - 8.30 am	<b>Room 208</b> Industry Symposium - CLINICAL CASE SERIES: Innovation in MIGS via the Supraciliary Space
8.30-10.00 am	<b>Hall 1</b> Angle closure and angle closure glaucoma (APGS symposium)
8.30-10.00 am	<b>Hall 3b+c</b> Optimising cataract refractive surgery outcomes in the glaucoma patient
8.30-10.00 am	<b>Hall 3e</b> Big data and glaucoma
10.30-12.00 pm	<b>Hall 1</b> The surgery smorgasbord - where are we now, where are we going?



12.15 - 1.15 pm	<b>Hall 1</b> Industry Symposium Current considerations in the management of glaucoma
1.45-3.15 pm	<b>Hall 3b+c</b> New discoveries in exfoliation (Lindberg Symposium)
2.00-3.00 pm	<b>Hall 1</b> Surgery for angle closure glaucoma
2.00-3.00 pm	<b>Hall 3e</b> The impact of glaucoma
2.00-3.00 pm	<b>Room 208</b> Africa Symposium
3.15-4.45 pm	<b>Hall 1</b> OCT angiography in glaucoma
3.30-4.30 pm	<b>Hall 3e</b> Trabeculectomy: the elements
3.30-4.30 pm	<b>Room 208</b> New technologies to surf the future glaucoma tsunami
3.30-4.30 pm	<b>Hall 1b</b> Laser treatment of glaucoma - evidence update and practical tips
3.30-4.30 pm	<b>Room 203a+b</b> Perfecting the art of glaucoma phenotyping
4.45-5.45 pm	<b>Hall 3b+c</b> Surgery in secondary and complicated glaucomas
4.45-5.45 pm	<b>Hall 3e</b> Surgery in pediatric glaucoma
4.45-5.45 pm	<b>Room 208</b> Surgery in the developing world
4.45-5.45 pm	<b>Hall 1b</b> Exfoliation syndrome: from the laboratory to the clinic
4.45-5.45 pm	<b>Room 203a+b</b> Neuroprotection - the future of glaucoma treatment
6.00 - 7.00 pm	<b>Room 203a+b</b> Industry Symposium - panel (Panel of global experts discuss updates in glaucoma)
6.00 - 7.00 pm	<b>Room 207</b> Industry Symposium - SITA Faster and Central Testing



## FRIDAY JUNE 30

8.30-10.00 am	<b>Hall 1</b> MIGS - the evidence
8.30-10.00 am	<b>Hall 3b+c</b> Glaucoma progression
8.30-10.00 am	<b>Hall 3e</b> Glaucoma genomics
10.30-12.00 pm	<b>Hall 1</b> Hot debates in glaucoma - in honour of Juhani Airaksinen
2.00-3.00 pm	<b>Hall 1</b> Risk profiling
2.00-3.00 pm	<b>Hall 3b+c</b> What really happens to retinal ganglion cells in glaucoma
1.45-3.15 pm	<b>Room 203a+b</b> Patient Oriented Symposium
2.00-3.00 pm	<b>Hall 3e</b> What's new in IOP?
3.30-4.30 pm	<b>Hall 1b</b> Myopia and glaucoma
3.30-4.30 pm	<b>Hall 3b+c</b> Normal tension glaucoma: pathogenesis, progression and treatment
3.30-4.30 pm	<b>Hall 3e</b> Tube surgery - the elements
3.30-4.30 pm	<b>Room 203a+b</b> Should we screen for glaucoma?
3.30-4.30 pm	<b>Room 208</b> Fixing problems after trabeculectomy and non-penetrating surgery
4.45-5.45 pm	<b>Hall 1b</b> Diagnosis and management of a glaucoma suspect
4.45-5.45 pm	<b>Hall 3b+c</b> Practical tips & tricks for minimally invasive glaucoma surgery
4.45-5.45 pm	<b>Hall 3e</b> Fixing problems with tubes
4.45-5.45 pm	<b>Room 203a+b</b> Advanced glaucoma in low income populations
4.45-5.45 pm	<b>Room 208</b> CSF pressure + glaucoma



# SATURDAY JULY 1

8.30-10.00 am	<b>Hall 1</b> Current glaucoma management - medical & laser therapy
10.30-11.30 am	<b>Hall 1</b> Grand rounds
8.30-10.00 am	<b>Hall 3b+c</b> OCT in glaucoma: present and future
8.30-10.00 am	<b>Hall 3e</b> Populations to practice
11.45-1.15 pm	<b>Hall 1</b> My worst nightmare as a glaucoma surgeon
11.45-1.15 pm	<b>Hall 3b+c</b> New frontiers in glaucoma
11.45-1.15 pm	<b>Hall 3e</b> Biomechanics in glaucoma



# POSTER SESSIONS

## WEDNESDAY JUNE 28 & THURSDAY JUNE 29

Topic	First poster	Last poster	Instructions for presenters
Epidemiology, quality of life and health economics	P-WT-001	P-WT-092	Mount your poster on Wednesday before 12.00 pm  <i>Thursday:</i> authors present between 4.45-5.45 pm  Remove your poster on Thursday after 6.00 pm
Genetics, genomics and biomarkers	P-WT-093	P-WT-117A	
Medical treatment and Non-Incisional Surgery	P-WT-118	P-WT-207	
Structural and Functional testing	P-WT-208	P-WT-375	

## FRIDAY JUNE 30 & SATURDAY JULY 1

Topic	First poster	Last poster	Instructions for presenters
IOP physiology and pathophysiology	PS-FS-001	P-FS-037	Mount your poster on Friday before 9.00 am  <i>Friday:</i> authors present between 4.45-5.45 pm  Remove your poster on Saturday after 1.30 pm
Laboratory sciences	P-FS-038	P-FS-077	
Other	P-FS-078	P-FS-168A	
Surgery and wound healing	P-FS-169	P-FS-396	



# POSTER WALKS

New this year are the WGC-2017 Poster Walks. A poster walk moderator walks with interested delegates along the poster panels within their poster session topic. Per poster, the author has a 2-minute presentation and 3 minutes for discussion. You can recognize the poster walk moderator by the red cap they are wearing.

The starting point of each walk is the first poster within the overview.  
All posters are displayed either on Wednesday and Thursday, or Friday and Saturday.

## THURSDAY JUNE 29, POSTER WALKS

Poster walk 1	Poster nr.
Poster walk moderator: Michael Kook (South Korea)	P-WT-009
	P-WT-010
	P-WT-011
	P-WT-015
	P-WT-014
	P-WT-017
	P-WT-025
	P-WT-032
	P-WT-033
	P-WT-037
Poster walk 2	Poster nr.
Poster walk moderator: Hector Gomez (Colombia)	P-WT-046
	P-WT-048
	P-WT-053
	P-WT-064
	P-WT-081
	P-WT-083
	P-WT-090
	P-WT-095
	P-WT-096
	P-WT-100
	P-WT-105
	P-WT-108
	P-WT-109



Poster walk 3	Poster nr.
Poster walk moderator: David Friedman (United States)	P-WT-121
	P-WT-124
	P-WT-175
	P-WT-183
	P-WT-184
	P-WT-189
	P-WT-193
	P-WT-196
	P-WT-198
	P-WT-199
	P-WT-203
	P-WT-205
Poster walk 4	Poster nr.
Poster walk moderator: Mika Harju (Finland)	P-WT-208
	P-WT-210
	P-WT-217
	P-WT-222
	P-WT-223
	P-WT-226
	P-WT-272
	P-WT-234
	P-WT-233
Poster walk 5	Poster nr.
Poster walk moderator: Christopher Leung (Hong Kong)	P-WT-245
	P-WT-248
	P-WT-255
	P-WT-260
	P-WT-268
	P-WT-269
	P-WT-278
	P-WT-284
	P-WT-288
	P-WT-291



Poster walk 6	Poster nr.
Poster walk moderator: Esther Hoffmann (Germany)	P-WT-293
	P-WT-295
	P-WT-297
	P-WT-299
	P-WT-308
	P-WT-315
	P-WT-318
	P-WT-323
	P-WT-333
	P-WT-327
Poster walk 7	Poster nr.
Poster walk moderator: Gabor Hollo (Hungary)	P-WT-338
	P-WT-344
	P-WT-345
	P-WT-346
	P-WT-348
	P-WT-350
	P-WT-361
	P-WT-374





## FRIDAY JUNE 30, POSTER WALKS

Poster walk 1	Poster nr.
Poster walk moderator: Eija Vesti (Finland)	P-FS-009
	P-FS-028
	P-FS-036
	P-FS-038
	P-FS-040
	P-FS-047
	P-FS-048
	P-FS-067
	P-FS-074
Poster walk 2	Poster nr.
Poster walk moderator: Aurora Heickell (Finland)	P-FS-087
	P-FS-093
	P-FS-097
	P-FS-111
	P-FS-119
	P-FS-126
	P-FS-138
	P-FS-147
	P-FS-160
	P-FS-163
	P-FS-166
Poster walk 3	Poster nr.
Poster walk moderator: Keith Barton (United Kingdom)	P-FS-169
	P-FS-175
	P-FS-176
	P-FS-180
	P-FS-184
	P-FS-222
	P-FS-223
	P-FS-227
	P-FS-228
	P-FS-243



Poster walk 4	Poster nr.
Poster walk moderator: Anu Vaajanen (Finland)	P-FS-247
	P-FS-253
	P-FS-255
	P-FS-259
	P-FS-263
	P-FS-266
	P-FS-278
	P-FS-289
	P-FS-296
	P-FS-301
Poster walk 5	Poster nr.
Poster walk moderator: Anne Brooks (Australia)	P-FS-302
	P-FS-309
	P-FS-310
	P-FS-322
	P-FS-327
	P-FS-332
	P-FS-336
	P-FS-338
	P-FS-348
	P-FS-350
Poster walk 6	Poster nr.
Poster walk moderator: Beth Edmunds (United States)	P-FS-355
	P-FS-356
	P-FS-358
	P-FS-364
	P-FS-368
	P-FS-370
	P-FS-374
	P-FS-382
	P-FS-386
	P-FS-387
	P-FS-388



# WETLABS PROGRAM

During WGC-2015, it was the first time that we offered advanced surgical training in the form of wetlabs. Due to the great success it has been decided to offer these sessions again.

In total we offer 9 wetlab sessions according to the overview hereunder. If you have not yet registered for a wetlab session and wish to do so, please check the availability at the registration desk. The fee is € 60,- and pre-registration is required.

Date	Time slot	Session Title	Company	Speakers	Instructors
Thursday, June 29	8.30 am - 11.00 am	Ab-interno filtering procedures (XEN Implant)	Allergan Pharma- ceuticals International	Leon Au (United Kingdom), Tarek Shaarawy (Switzerland), Kaweh Mansouri (Switzerland)	Antonio Fea (Italy), Franz Grehn (Germany), Ziad Khoeir (Lebanon), Herbert Reitsamer (Austria), Steven Sarkisian (United States)
Thursday, June 29	11.30 am - 02.00 pm	New Molteno Tubes hands- on	Molteno Ophthalmic Ltd.	Michael Coote (Australia)	Tanuj Dada (India), Colin Clement (Australia), Susana Duch (Spain), Ivan Goldberg (Australia), Tarek Shaarawy (Switzerland), Mark Sherwood (United States), Juha Välimäki (Finland)
Thursday, June 29	02.30 pm - 05.00 pm	NPGS hands- on (CLASS surgery)	IOptima Ltd.	Andre Mermoud (Switzerland), Jonathan Ho (Hong Kong)	Jorge Acosta (Argentina), Alain Bron (France), Ricardo Guedes (Brazil), Mika Harju (Finland), Juan Carlos Izquierdo (Peru), Dexter Leung (Hong Kong), Shamira Perera (Singapore), Carlo Enrico Traverso (Italy)



<b>Date</b>	<b>Time slot</b>	<b>Session Title</b>	<b>Company</b>	<b>Speakers</b>	<b>Instructors</b>
Friday, June 30	8.30 am - 11.00 am	Ahmed implant hands-on	New World Medical Inc.	Keith Barton (United Kingdom)	Lama Al-Aswad (United States), Ahmad Aref (United States), Eytan Blumental (Israel), Syril Dorairaj (United States), Seng Kheong Fang (Malaysia), Cathy Green (Australia), Sheng Lim (United Kingdom), Murat Irkec (Turkey), Nazrul Islam (Bangladesh), Kaweh Mansouri (Switzerland), Marlene Moster (United States), Devesh Varma (Canada) Konrad Schargel (Spain)
Friday, June 30	11.30 am - 02.00 pm	MicroPulse TSCPC hands- on (MicroPulse P3 with the Cyclo G6 laser)	Iridex Corporation	Ziad Khoueir (Lebanon), Steven Vold (United States),	Leon Au (United Kingdom), Paul Chew (Singapore), Ronald de Crom (Netherlands)
Friday, June 30	02.30 pm - 05.00 pm	Suprachoroidal filtration (Cypass)	Alcon	Tarek Shaarawy (Switzer- land), Keith Barton (United Kingdom)	Carl Erb (Germany), Stefano Gandolfi (Italy), Julian Garcia Feijo (Spain), Franz Grehn (Germany), Esther Hoffmann (Germany), Robert Stamper (United States)
Friday, June 30	05.00 pm - 07.00 pm	Managing complications hands on			Philip Bloom (United Kingdom), Robert Fechtner (United States), Albert Khouri (United States), Clement Tham (Hong Kong), James Tsai (United States)
Saturday, July 1	8.00 am - 10.30 am	MIGS with iTrack (ABiC)	Ellex Medical	Robert Stamper (United States)	Norbert Körber (Germany), Steven Vold (United States), Paul Singh (United States)
Saturday, July 1	11.30 am - 02.00 pm	Trabecular surgery (iStent)	Glaukos Corporation	Antonio Fea (Italy)	Keith Barton (United Kingdom), Sheng Lim (United States), Albert Khouri (United States), Fabian Lerner (Argentina), Tarek Shaarawy (Switzerland)



# OTHER PROGRAM DETAILS

## Photo Exhibition

For the first time during a World Glaucoma Congress, we will be organizing a photo exhibition on Gonioscopy for educational purposes. We are very excited to introduce this new element. Our faculty members were invited to submit Gonioscopy photographs.

Close to the exhibition floor, an area is reserved where the best 10 photos will be displayed to the attendees with the name of the contributing faculty.

We invite you all to have a look at the photo exhibition and learn more about Gonioscopy!

## Audio Visual Support / Speaker Ready Room

All speakers are strongly advised to upload their presentation to the Speaker Ready Room *at least 3 hours* before the start of their session. It is not possible to upload your presentation in the session room, only in the Speaker Ready Room. There are no facilities to use own laptops in the session rooms.

The Speaker Ready Room is located in room 'Press' and will be opened on the following days and hours:

Wednesday June 28: 6.30 am - 6.00 pm  
Thursday June 29: 6.45 am - 6.00 pm  
Friday June 30: 6.30 am - 6.00 pm  
Saturday July 1: 7.30 am - 12.00 pm

## Travel Grants & ICO-WGA Fellowships

The WGA has awarded 30 travel grants, which include waiving of the registration fee, to glaucoma specialists under forty years of age from economically underprivileged countries.

The International Council of Ophthalmology (ICO) Fellowships Program was organized to help promising young ophthalmologists from developing countries improve their practical skills and broaden their perspectives of ophthalmology. Fellows are expected to bring the acquired knowledge and skills back to their home countries and take part in programs to preserve vision and prevent blindness. These fellowships provide young ophthalmologists from developing countries with exposure to and training in several subspecialties in ophthalmology.

The World Glaucoma Association (WGA) has sponsored four ICO Three-Month Fellowships for young ophthalmologists from Sub-Saharan Africa. The ICO-WGA Fellowships have been awarded to ophthalmologists from Nigeria, South Africa, Cameroon, and Togo. The Fellows will spend their summer training in Finland, hosted by Helsinki University Central Hospital, Tampere University Hospital and the University of Turku.



## **Continuing Medical Education Meeting Evaluation**

It is essential for assessing the quality of the WGC that participants take time to complete the evaluation forms. You can do so at the WGA booth at the exhibition hall. Every participant can have an impact on the planning for the next WGC. The WGA has purposely created this evaluation system in order to provide the participants with an even better congress in two years. Your input is highly appreciated.

## **Relationship with Glaucoma Industry Members**

The WGA has deliberately chosen for a close contact with Glaucoma Industries. While respecting all compliant regulations and guidelines. It is realized that Glaucoma Industry is an important force in the world of glaucoma, both in research as well as in education. The WGA aims to improve science and care of glaucoma in cooperation with its Glaucoma Industry Members. In joint committees the WGA has established rules for the relationship with industry:

- WGA Code of Practice
- WGA Guidelines on Reporting and Publishing
- WGA Guidelines of Quality and Quantity of Glaucoma Meetings

These guidelines follow the trend in specialist-industry relationship as expressed in the scientific literature, while focusing on the special aspects related to the WGA organization.

For the Industry Involvement Excerpt from Global WGA Guidelines on Quality and Quantity of Glaucoma Meetings, please visit:  
[www.worldglaucoma.org/quality-of-glaucoma-meetings/](http://www.worldglaucoma.org/quality-of-glaucoma-meetings/)



# FILM FESTIVAL PROGRAM

THURSDAY JUNE 29 & FRIDAY JUNE 30

Start time		Number	Film Title	Length
8.00 am	11.30 am	FF-01	XEN Mega-Bleb: Surgical Management (Bastelica Antoine, France)	8 min
8.06 am	11.36 am	FF-02	Co2 Laser : A New Tool For Non Penetrating Glaucoma Surgery (Bastelica Antoine, France)	7 min
8.14 am	11.44 am	FF-03	Childhood Glaucoma ... Out Of A Desperate Situation (Natalya Volkova, Russian Federation)	8 min
8.22 am	11.52 am	FF-04	Battle Of The Bulges: A Tale Of Two Blebs (Cyril Hose, India)	8 min
8.30 am	12.00 pm	FF-05	MIGS Procedures In Combination With Phacoemulsification: Patients Benefits (Elena Tomilova, Russian Federation)	7 min
8.37 am	12.07 pm	FF-06	Co2 Laser-Assisted Sclerectomy Surgery (Class) (Zhu Li Yap, Singapore)	6 min
8.43 am	12.13 pm	FF-07	Management Of Tube Exposure (Gowri J Murthy, India)	7 min
8.51 am	12.20 pm	FF-08	Bridging The Gap (George Puthuran, India)	7 min
8.59 am	12.27 pm	FF-09	Bands And Plates (George Puthuran, India)	8 min
9.07 am	12.35 pm	FF-10	The Joy Of Inferonasal Quadrant (George Puthuran, India)	5 min
9.15 am	12.40 pm	FF-11	Surgical Management Of Hypotony Syndrome After Filtering Glaucoma Surgery (Dmitry Ivanov, Russian Federation)	8 min
9.23 am	12.48 pm	FF-12	Surgical Management Of Post Trabeculectomy Scleral Melting (Suresh kumar, India)	2 min
9.26 am	12.50 pm	FF-13	Pigment Dispersion Syndrome Secondary To Iris-Fixated Phakic Intraocular Lens To Correct Myopia (Ana María Vásquez, Ecuador)	8 min
9.33 am	12.58 pm	FF-14	Astigmatism Related Visual Loss In Thin Cystic Overhanging Bleb. (Talvir Sidhu, India)	8 min
9.38 am	1.06 pm	FF-15	Rat Model Of Glaucoma Filtering Surgery (Surinder Pandav, India)	9 min



9.44 am	1.15 pm	FF-16	Safety And Efficacy Of Simultaneous Penetrating Keratoplasty And Ahmed Glaucoma Valve Implant (Sonia Parreira, Portugal)	7 min
9.51 am	1.22 pm	FF-17	Watch Out For A Phaco-Nightmare In A Glaucoma Eye With Thin And Avascular Bleb! (Sushma Tejawani, India)	8 min
9.59 am	1.30 pm	FF-18	Synthetic Training Model With Angle And Schlemm's Canal For Gatt Procedure (Michael Banitt, United States)	8 min
10.04 am	1.38 pm	FF-19	Resection Of Ciliary Body Tumor Presenting As Neovascular Glaucoma (Daniela Alvarez-Ascencio, Mexico)	8 min
10.07 am	1.46 pm	FF-20	Management Of Tube Erosion Complications (Sri Ramani Gollakota, India)	8 min
10.15 am	1.52 pm	FF-21	Hooking The Sinking lol Just In The Nick Of Time!! (Vijna Kamath B, India)	8 min
10.23 am	2.00 pm	FF-22	Aqueous Drainage Implant In An Eye With Secondary Glaucoma Post Vitreo Retinal Surgery Is Not Easy! (Sri Ramani Gollakota, India)	5 min
10.29 am	2.05 pm	FF-23	To The Edge Of Darkness And Back !!!! (Sumit Chowdhury, India)	4 min
10.37 am	2.09 pm	FF-24	Trabeculectomy In Microspherophakia (Sri Ramani Gollakota, India)	8 min
10.43 am	2.17 pm	FF-25	Managing Late Complications Of Trabeculectomy (Neha Midha, India)	5 min
10.49 am	2.22 pm	FF-26	Simultaneous Ahmed Glaucoma Valve And Boston Keratoprosthesis (Sirisha Senthil, India)	8 min
10.57 am	2.30 pm	FF-27	Physics Applied: Trimming-Enhanced Revision For Collagen Glaucoma Implant Blebs (Carlos A. Arciniegas Perasso, Spain)	5 min
11.02 am	2.35 pm	FF-28	Trabectome Surgery: Stand-Alone And Combined With Cataract Surgery (Sarah Farukhi, United States)	5 min
11.07 am	2.40 pm	FF-29	Short Tunnel, Small Flap Shunt Procedure (Mohammad pakravan, Iran)	6 min
11.13 am	2.46 pm	FF-30	Intra-Operative Asoct In Phaco-Endocycloplasty In Plateau Iris Syndrome (Vanita Pathak Ray, India)	8 min
11.21 am	2.54 pm	FF-31	There Is Something You Can Do (Joe Lovett, Us)	7 min





# INVITED FACULTY

Official program (excl. glaucoma society and industry programs)

Acosta, Jorge, C-F-10	Chang, Lydia, C-F-9; PS-F-1
Agar, Ashish, RF-T-1	Chang, Robert, PL-F-1
Ahmed, Ike, PRES-W-1; PL-T-1; PL-F-1	Chen, Teresa, C-F-3
Aihara, Makoto, C-F-8; PS-F-5	Chen, Dong-Feng, C-T-8; C-T-8
Al-Aswad, Lama, C-F-2	Cheng, Ching-Yu, C-F-14
Aptel, Florent, PS-T-2	Chew, Paul, C-F-10; C-T-4
Aquino, Norman, C-T-16	Choi, Jin A., C-F-14
Araie, Makoto, C-F-1; PS-T-1	Cioffi, Jack, C-T-3; C-F-7; C-F-7; PS-F-7
Arciniegas, Carlos, PL-S-1	Clark, Abe, C-T-8; C-F-8
Aref, Ahmad, C-T-15	Clarke, Jonathan, PS-T-6
Au, Leon, C-F-9; PS-F-1	Clasby, Ginger, RF-T-1
Aung, Tin, PRES-W-1; PRES-W-1;	Clement, Colin, C-F-3
PL-F-1; OP-W-1; OP-W-1; OP-W-1	Coleman, Anne Louise, C-F-9; PS-S-4
Azuara-Blanco, Augusto, PS-S-3;	Colenbrander, August, PS-F-7
PS-T-4	Congdon, Nathan, C-T-11
Balekudaru, Shantha, RF-T-1	Cook, Colin, C-T-11
Barton, Keith, C-T-7; PL-T-1; RF-T-1	Cook, Steve, C-T-3
Baskaran, Mani, C-T-4	Coote, Michael, C-T-5; C-T-5; C-T-9
Beckers, Henny, C-F-10; RF-F-2	Cordeiro, Francesca, PS-S-5; RF-T-1
Bennett, Sonya, C-T-10; C-T-7	Costa, Vital, C-T-1
Berdahl, John, C-F-11; C-F-11	Crabb, David, C-T-6; PS-T-3
Berlin, Michael, RF-T-1	Craig, James, PS-T-3
Bernstein, Audrey, PS-T-5	Crowston, Jonathan, PS-S-5; OP-W-1;
Beuerman, Roger W, C-F-15; C-F-15	OP-W-1
Birt, Catherine, C-T-16	Dada, Tanuj, C-T-16; PL-F-1
Bloom, Philip, C-T-4; C-T-4	de Moraes, Carlos Gustavo, PS-F-2
Blumenthal, Eytan, C-T-2; C-F-3; PL-S-1	Di Polo, Adriana, PS-S-5; PS-S-5
Boland, Michael, C-F-5	Diamond, Jeremy, C-T-3
Borras, Terete, C-T-12; C-T-12	Dorairaj, Syril, PL-F-1
Bourne, Rupert, PS-S-1	Downs, Crawford, C-T-14; PS-S-5;
Bowd, Chris, C-F-14	PS-S-5
Boya, Pat, PS-S-5; PS-F-5	Du Toit, Nagib, C-T-11; C-T-11
Brandt, Jamie, C-T-10; C-F-2; PL-F-1	Duch, Susana, PS-S-4
Bron, Alain, PS-S-4	Edmunds, Beth, C-F-3
Brookes, John, C-T-5; C-T-9	Edward, Deepak, C-T-12
Brooks, Anne, C-T-14	Egorov, Eugeny, C-T-2
Bui, Bang, C-F-8; C-T-8	Erb, Carl, PS-F-1
Chaglasian, Michael, C-F-5	Faiq, Muneeb, RF-F-2
Chakrabarti, Subhabrata, PS-F-3;	Fang, Seng Kheong, PS-T-1; PS-T-4
PS-F-3	Fea, Antonio, C-F-9
Chandra Sekhar, Garudadri, C-F-13	



Fechtner, Robert, C-T-12; OP-W-1;  
 OP-W-1; OP-W-1  
 Fenerty, Cecilia, C-F-10; PS-T-6  
 Fingeret, Murray, C-T-16  
 Fingert, John, C-T-12  
 Flanagan, John, PS-F-3  
 Fortune, Brad, C-F-14; C-F-14; C-T-6  
 Foster, Paul, PS-T-1  
 Friedman, David, C-F-6; PS-T-7; PS-T-7;  
 PL-S-1  
 Gandolfi, Stefano, C-T-12  
 Garcia Feijoo, Julian, PS-T-2; PL-F-1  
 Garway-Heath, David, PS-F-2; PS-T-3  
 Gazzard, Gus, C-T-5; PS-T-2; PS-T-4  
 George, Ronnie, C-T-3; C-F-3  
 Girard, Michael, PS-S-6  
 Goldberg, Ivan, PS-T-1; PS-F-7  
 Gollakota, Sriramani, RF-F-2  
 Gomez, Fernando , PS-F-4  
 Grajewski, Alana, PS-S-1  
 Green, Cathy, C-F-13  
 Grehn, Franz, C-T-10; PS-S-4  
 Grigera, Daniel, C-T-15  
 Grigg, John, C-T-10  
 Grus, Franz, C-F-15; PS-F-5  
 Guedes, Ricardo, C-F-4  
 Gupta, Neeru, C-F-7; C-F-7; PS-T-7;  
 PS-T-7; OP-W-1  
 Harris, Alon, C-F-1; C-F-1  
 Hatanaka, Marcelo, C-T-14  
 Hauser, Michael, PS-F-3; PS-F-3  
 He, Mingguang, C-F-14; C-F-4  
 Healey, Paul, C-F-10; C-F-5  
 Heijl, Anders, C-T-14; PS-F-2  
 Hewitt, Alex, PS-T-3  
 Hiidenmaa, Pirjo, OP-W-1  
 Hirneiss, Christoph, PS-T-6  
 Ho, Ching Lin, C-F-10; PS-T-1  
 Hoffmann, Esther, PS-T-2  
 Hollo, Gabor, C-T-1; PS-T-5  
 Hommer, Anton, PS-S-1  
 Huang, David, C-T-1; C-T-1; PS-S-2  
 Huang, Alex, PS-S-5  
 Husain, Rahat, PS-T-4  
 Hutnik, Cindy, C-T-16  
 Ichhpujani, Parul, C-F-12  
 Inoue, Toshihiro, PS-F-6  
 Irkec, Murat, PS-T-5  
 Ishida, Kyoko, C-F-2  
 Januleviciene, Ingrida, C-F-6; RF-T-1  
 Johnson, Chris, C-F-5  
 Jonas, Jost, C-F-11; C-F-11; C-F-4; C-F-4  
 Jonasson, Fridbert, PS-T-5  
 Kalamkar, Charudutt, RF-F-2  
 Kaufman, Paul, PS-S-6; PS-F-6  
 Kaushik, Sushmita, RF-F-2  
 Khanna, Hemant, C-F-8  
 Khaw, Peng, C-T-10; PL-T-1  
 Khawaja, Anthony, PS-S-3  
 Khouri, Albert, C-F-10  
 Kiage, Dan, PS-T-7  
 Kim, Tae-Woo, C-T-1; C-F-1  
 Kim, Chan-Yun, C-T-16  
 Kim, Yong Chan, RF-T-1  
 Kim, Yong Woo, RF-T-1  
 King, Anthony, PL-T-1  
 Kivela, Tero, PS-T-5  
 Ko, Fang, PS-T-3  
 Ko, Match Wai Lun, RF-F-2  
 Kocur, Ivo, PS-F-7  
 Koerber, Norbert, RF-F-2  
 Kolko, Miriam, C-T-13; RF-F-2  
 Kompella, Uday, PL-F-1  
 Kook, Michael S., C-F-1; PS-F-4  
 Kotecha, Aachal, C-T-3  
 Kuroyedov, Alexander, PS-F-2  
 Kyari, Fatima, C-F-13; PS-S-3; PS-S-3;  
 PS-T-7  
 Lai, Jimmy, C-T-2  
 Lam, Alexander, RF-F-2  
 Lamoureux, Ecosse, PS-T-6  
 Latina, Mark, C-T-4  
 Lawlor, Mitchell, C-T-13  
 Lee, Richard, C-T-12  
 Lee, Paul, C-F-6  
 Legodi, Eddie Kgao, PS-T-7  
 Lemij, Hans, C-T-3  
 Lerner, Fabian, C-T-2; PL-S-1; PL-F-1  
 Leung, Dexter, C-F-12  
 Leung, Christopher, C-T-8; PS-S-2  
 Levin, Leonard, C-T-13; C-F-16  
 Levkovitch-Verbin, Hani, C-T-8



Liebmann, Jeffrey, C-F-16; C-F-16  
 Lim, Sheng, C-F-2; RF-T-1  
 Lin, Shan, C-T-7  
 Liu, Catherine Jui-Ling, C-F-1; PS-S-2;  
 PS-S-2  
 Lovett, Joe, PS-F-7  
 Mackey, David, C-F-7  
 Mansberger, Steven, PS-S-1; PS-F-4  
 Mansouri, Kaweh, C-T-1; C-T-14; PS-F-6  
 Marco, Sheila, C-F-13  
 Marsh-Armstrong, Nicholas, PS-F-5  
 Martin, Keith, C-T-13; C-T-13; PS-S-5;  
 PS-T-7  
 Martins, Alessandra, C-T-10  
 Maul, Eugenio A, PS-S-1  
 Maul, Eugenio J., PS-S-4  
 McKendrick, Allison, C-T-6; C-T-6  
 Medeiros, Felipe, PS-F-2; PL-F-1  
 Meier-Gibbons, Frances, C-F-6; C-F-6  
 Mermoud, Andre, C-F-2; PS-F-1; RF-F-2  
 Michelessi, Manuele, RF-T-1  
 Morgan, James, C-T-8; PS-F-5; PS-F-5  
 Moroi, Sayoko, C-F-12  
 Mosaed, Sameh, C-F-9; PS-F-1; PS-F-6  
 Moster, Mark, C-F-12  
 Moster, Marlene, C-T-9; PS-T-2  
 Nakazawa, Toru, C-F-12  
 Nangia, Vinay, C-F-4  
 Neelakantan, Arvind, C-T-7  
 Nicolela, Marcelo, C-T-15  
 Niyadurupola, Nuwan, C-F-2  
 Nolan, Winifred, C-T-11; C-T-4; PS-T-1  
 Nouri-Mahdavi, Kouros, PS-S-2  
 Nykter, Matti, C-F-15  
 O'Brien, Colm, PS-T-5  
 Olawoye, Olusola, PS-T-7; PS-F-7  
 Overby, Darryl, PS-S-6  
 Ozaki, Mineo, C-T-12  
 Palmberg, Paul, C-F-16; C-T-7  
 Pandav, Surinder, C-F-2  
 Pang, Calvin, PS-F-3  
 Papadopoulos, Maria, C-T-10  
 Paranhos Jr, Augusto, C-T-15  
 Parikh, Rajul, C-T-15  
 Park, Ki Ho, C-F-4; PS-S-2; PL-F-1  
 Pasquale, Louis, PRES-W-1  
 Pathak Ray, Vanita, C-T-2  
 Paz, Javier, RF-T-1  
 Pebay, Alice, C-T-13; C-T-13  
 Perera, Shamira, C-T-7  
 Perez Grossman, Rodolfo, C-T-9  
 Pfeiffer, Norbert, C-F-9; PS-F-1  
 Philippin, Heiko, C-F-13; PS-T-3  
 Pillunat, Lutz, PS-T-2  
 Piltz Seymour, Jody, C-T-2  
 Pincelli Netto, Mário, PL-S-1  
 Pinto, Luis, C-T-2  
 Pollard, Geoff, PS-F-7  
 Porciatti, Vittorio, C-T-6; C-T-6  
 Porteous, Alastair, RF-T-1  
 Ramakrishnan, R., C-T-16  
 Ramulu, Pradeep, PS-F-2; PS-T-6;  
 PS-F-7  
 Rao, Harsha, C-T-1  
 Realini, Tony, C-F-13; C-F-13; PS-S-1  
 Reddy Mallidi, Ayyappa, PL-S-1  
 Reinhardt, Dieter, PS-T-5  
 Reitsamer, Herbert, C-F-9; PS-F-1  
 Ritch, Robert, C-F-1; PS-T-5; PS-F-7;  
 PRES-W-1; PRES-W-1  
 Roberts, Cynthia, C-F-7; PS-S-6;  
 PS-S-6  
 Robin, Alan, C-F-3  
 Rojanapongpun, Prin, PS-T-4; PL-T-1  
 Sabel, Bernhard, C-T-16  
 Saeedi, Osamah, C-F-12; PS-S-5  
 Sakai, Hiroshi, C-F-12  
 Sakata, Lisandro, PS-S-3; PL-F-1  
 Samuels, Brian, C-F-8  
 Sarkisian, Steven, C-T-7  
 Sawada, Akira, C-F-12  
 Schlotman, Patricio, C-T-15  
 Schlötzer-Schrehardt, Ursula, PRES-W-1  
 Schmetterer, Leopold, PS-F-6  
 Serle, Janet, C-F-16; C-F-16  
 Shaarawy, Tarek, C-T-2; PL-F-1; PL-S-1  
 Shah, Peter, C-F-3  
 Sherwood, Mark, C-T-2  
 Siddiqi, Rizwana, C-F-14  
 Sihota, Ramanjit, C-T-11; PS-F-2; PS-F-4  
 Silva, Luis, PL-S-1  
 Singh, Kuldev, PS-S-3; PL-F-1



Sit, Arthur, C-F-11; PS-S-1; PS-F-6  
 Skalicky, Simon, PS-T-6  
 Spaeth, George, PS-T-6; PL-F-1  
 Stalmans, Ingeborg, C-T-9; PS-F-1;  
 PL-F-1; PL-T-1  
 Strouthidis, Nick, PS-S-2; PS-S-6;  
 PS-S-6  
 Sugiyama, Kazuhisa, C-F-4  
 Sunaric-Megevand, Gordana, PL-T-1  
 Sung, Kyung Rim, C-T-9  
 Susanna Jr., Remo, C-T-14; C-T-14;  
 PS-S-1  
 Tantisevi, Visanee, PS-S-1  
 Tarkkanen, Ahti, PRES-W-1  
 Tatham, Andrew, PS-T-3  
 Tavares, Ivan, C-T-14  
 Taylor, Kate, C-T-3  
 Teekhasaene, Chaiwat, PS-T-5  
 Tham, Clement, PS-T-1; PS-T-1; PL-T-1  
 Thapa, Suman, C-F-5  
 Thygesen, John, C-F-5  
 Tomita, Goji, C-T-15  
 Topouzis, Fotis, PS-F-4  
 Toris, Carol, C-F-8  
 Traverso, Carlo, PS-S-4  
 Tsai, James, C-F-7; C-F-7  
 Tun, Tin Aung, RF-F-2  
 Tuulonen, Anja, C-F-6; PRES-W-1  
 Uusitalo, Hannu, C-F-15; C-F-15;  
 PRES-W-1; OP-W-1  
 Vajaranant, Thasarat, C-F-5  
 Varma, Rohit, C-F-6; C-F-6  
 Vijaya, Lingam, PS-S-3; PS-S-3  
 Viswanathan, Ananth, C-T-5  
 Vithana, Eranga, PS-F-3  
 Walek, Ewa, RF-F-2  
 Wang, Ningli, C-F-1; C-F-11  
 Weinreb, Robert, PS-F-4; PL-F-1  
 Wells, Tony, PS-S-4  
 White, Andrew, C-T-4  
 Wiggs, Janey, PS-T-3; PS-F-3  
 Wilkins, Mark, PS-T-2  
 Williams, Pete, C-T-13  
 Williams, Susie, C-T-5; C-F-5; C-T-5  
 Wilson, M. Roy, PS-F-4  
 Wirostko, Barbara, PS-T-5  
 Wong, Hon-Tym, PS-T-4  
 Wong Tzee Ling, Tina, C-T-9; PL-T-1  
 Yamamoto, Tetsuya, PS-T-1; PS-T-1  
 Zangwill, Linda, C-T-1; C-T-1; PS-S-2;  
 PS-F-2  
 Zhang, Xiulan, C-T-14

C = Course  
 WL = Wetlab  
 PRES = Presidential Symposium  
 GS = Glaucoma Society Symposium  
 PS = Parallel Symposium  
 PL = Plenary Symposium  
 RF = Rapid Fire  
 IND = Industry Symposiums  
 OP = Opening Ceremony





# THE WORLD GLAUCOMA ASSOCIATION

THE GLOBAL GLAUCOMA NETWORK

## Core Purpose

To eliminate glaucoma-related disability worldwide.

## Core Values

The leadership and member societies of WGA are committed to acting consistently with the following values:

- **Responsibility** (Accountability) - to each other, to member societies, to the larger global glaucoma community, to the patient and to the public
- **Consensus** - open communication, inclusion of diverse viewpoints, and the aspiration to achieve practical consensus before acting
- **Collegiality and Mutual Respect**
- **Best Care and Service** - advancing the best care available to glaucoma patients worldwide

## Goals

- **Goal 1 - Education**  
The WGA will be an important source of education for ophthalmologists and other healthcare providers related to glaucoma.
- **Goal 2 - WGC**  
The WGC will be the best glaucoma meeting in the world.
- **Goal 3 - Public Awareness and Recognition of Glaucoma**  
Public awareness and recognition of glaucoma will increase.
- **Goal 4 - Impact in Developing Countries**  
The resources of the global glaucoma community - including individuals, member societies, industry, governments, NGOs and patients - will be integrated and leveraged to enhance glaucoma care, particularly in developing countries.
- **Goal 5 - Technology**  
The WGA will use information/communication technologies as a key tool in achieving its goals.
- **Goal 6 - Organization**  
The WGA will be financially sound and organized to lead the glaucoma community.



## GLAUCOMA SOCIETIES

### National Glaucoma Societies or related groups from the following countries:

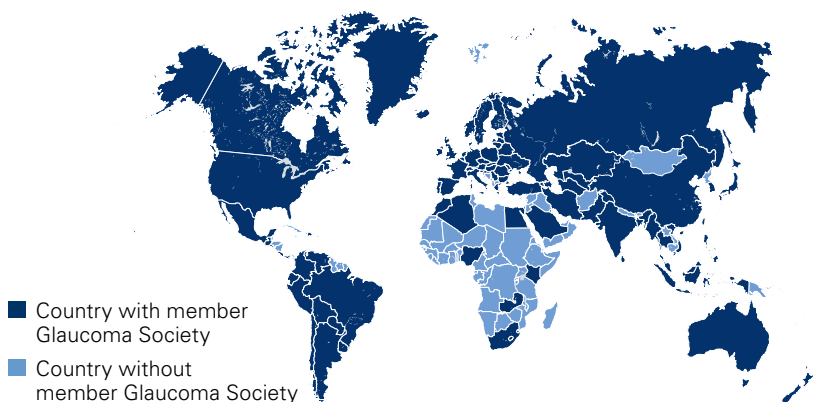
Algeria, Argentina, Austria, Azerbaijan, Bangladesh, Belgium, Bolivia, Brazil, Bulgaria, Chile, Colombia, Costa Rica, Croatia, Czech Republic, Denmark, Dominican Republic, Ecuador, Egypt, El Salvador, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Indonesia, Iran, Ireland, Israel, Italy, Latvia, Lebanon, Lesotho, Lithuania, Malaysia, Mexico, Morocco, Myanmar, Nigeria, Norway, Pakistan, Panama, Paraguay, Peru, Philippines, Poland, Portugal, Puerto Rico, Romania, Russia, Saudi Arabia, Serbia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sri Lanka, Sweden, Switzerland, Taiwan, Thailand, The Netherlands, Turkey, Ukraine, United Kingdom, Uruguay, Venezuela, Vietnam and Zambia.

### Regional Glaucoma Societies

African Glaucoma Task Force  
American Glaucoma Society  
Asia Pacific Glaucoma Society  
Australian and New Zealand Glaucoma Society  
Canadian Glaucoma Society  
Chinese Glaucoma Society  
European Glaucoma Society  
Glaucoma Society of Commonwealth of Independent States  
Glaucoma Society of India  
Japan Glaucoma Society  
Latin-American Glaucoma Society  
Middle East African Glaucoma Society  
Pan American Glaucoma Society

### International Glaucoma Societies

Optometric Glaucoma Society  
International Society for Glaucoma Surgery  
Childhood Glaucoma Research Network



## **Glaucoma Industry Members**

Alcon Laboratories, Inc.  
Allergan  
Novartis

## **Associate Glaucoma Industry Members**

Aerie Pharmaceuticals  
Bausch + Lomb  
Carl Zeiss Meditec  
Glaukos  
Heidelberg Engineering  
Santen  
Shire  
Topcon Corporation

## **Supporting Glaucoma Industry Members**

Aeon Astron Europe B.V.  
Diopsys, Inc  
EyeTechCare  
Haag-Streit AG  
Icare Finland Oy  
Lumenis  
NeoMedix Corporation  
Oculus Optikgerate GmbH  
Optovue, Inc  
Pfizer  
Reichert  
Senju  
Specsavers  
Tomey Corporation

## **Global WGA Directory of Glaucoma Societies**

The WGA has identified over 80 Glaucoma Societies and has compiled a Global WGA Directory of Glaucoma Societies, which includes basic information on the Glaucoma Society. The Directory includes information on:

- o Society Name
- o Officers
- o Goals
- o Contact information / Website

## **World Glaucoma Patient Association (WGPA)**

At the initiative of the WGA, a global glaucoma patient association was founded in October 2004, New Orleans, LA, US. The aim of the organization is a further cooperation between national and regional Glaucoma Patient Organizations. More information via: [www.worldgpa.org](http://www.worldgpa.org)





## **INTERNATIONAL GLAUCOMA REVIEW**

The International Glaucoma Review (IGR), which has been published since 1984, became the official journal for the WGA in 2002. IGR is an online journal for glaucoma specialists and general ophthalmologists with an interest in glaucoma from all over the world, and is a forum for the world's Glaucoma Societies.

The uniqueness of IGR is its attempted completeness, its classification, and the Editor's Selection. It is the only journal that presents a three-monthly critical review of selected glaucoma literature. Access to IGR Online remains complimentary for all members of glaucoma societies associated with the WGA.

### **IGR Online - [www.e-igr.com](http://www.e-igr.com)**

IGR Online has the most complete collection of abstracts on glaucoma literature which are otherwise not available, certainly not within the same time span. This searchable database provides all available glaucoma abstracts since 1999, comments and references.

### **IGR online Database**

All abstracts published in IGR since 1999 are available through the fully searchable IGR glaucoma literature database. But that's not all. The comments from the Editor's Selection have also been put into a database and are also fully searchable and linked to the abstracts. This makes it possible to read what experts have to say about important abstracts.

### **Registration for IGR online**

You are required to register before you can access the abstracts and make use of other features of the IGR website. Please contact the WGA Executive Office if you have any questions, [info@worldglaucoma.org](mailto:info@worldglaucoma.org).





# IGR EDITORIAL BOARD



**Chief Editor**, Robert N. Weinreb, M.D.

## **Contributing Editors**

Christopher Leung (HK), Kaweh Mansouri (CH),  
Arthur Sit (USA)

## **Associate Editors**

Makoto Araie (JP), Jack Cioffi (US), Jonathan Crowston  
(AU), Roger Hitchings (UK), Jeffrey Liebmann (US), Remo  
Susanna (BR)

## **Society Editors**

Ellen Ancker (SAGS), Makoto Araie (JGS and APGS), Anne M. Brooks (ANZGIG),  
Seng Kheong Fang (APGS), Christopher Girkin (AGS), Francesco Goni (EGS), Rodolfo  
Perez Grossman (LAGS), Harsh Kumar (GSI), Marcello Nicoletta (CanGS), Mike Patella  
(OGS), Tarek Shaarawy (ISGS), Patricio Schlottmann (PAGS), Fotis Topouzis (EGS),  
Moustafa Yaqub (MEAGS), Ningli Wang (ChinGS)

## **Board of Editors**

Rand Allingham (US), Makoto Aihara (JP), Lee Alward (US), Alfonso Anton (SP),  
Tin Aung (SG), Keith Barton (UK), Augusto Azuara Blanco (UK), Christoph Baudouin  
(FR), Eytan Blumenthal (IS), Andreas Boehm (DE), Terete Borrás (US), Chris  
Bowd (US), James Brandt (US), Don Budenz (US), Claude Burgoyne (US), Subho  
Chakrabarthi (IN), Anne Coleman (US), Robert Fechtner (US), Robert Feldman  
(US), Murray Fingeret (US), Josef Flammer (CH), Paul Foster (UK), David Friedman  
(US), Jiang Ge (CN), Chris Girkin (US), Ivan Goldberg (AU), David Greenfield (US),  
Franz Grehn (DE), Daniel Grigera (AR), Neeru Gupta (CA), Alon Harris (US), Ron  
Harwerth (US), Mingguang He (CN), Paul Healey (AU), Esther Hoffman (DE), Gabor  
Hollo (HU), Alex Huang (US), Henry Jampel (US), Chris Johnson (US), Jost Jonas  
(DE), Malik Kahook (US), Kenji Kashiwagi (JP), Paul Kaufman (US), Peng Khaw (UK),  
Dong Myung Kim (KR), Tae Woo Kim (KR), Tasos Konstas (GR), Dennis Lam (HK),  
George Lambrou (GR), Fabian Lerner (AR), Christopher Leung (HK), Shan Lin (US),  
James Lindsey (US), John Liu (US), Nils Loewen (US), Steve Mansberger (US),  
Keith Martin (UK), Eugenio Maul (CL), G.D. McLaren (ZA), Felipe Medeiros (US),  
James Morgan (UK), Sameh Mosaed (US), Paul Palmberg (US), Norbert Pfeiffer  
(DE), Harsha Rao (IN), Tony Realini (US), Doug Rhee (US), Prin RojanaPongpun (TH),  
Luca Rossetti (IT), Joel Schuman (US), Tarek Shaarawy (CH), Kuldev Singh (US),  
Arthur Sit (US), George Spaeth (US), Ernst Tamm (DE), Hidenobu Tanihara (JP), Ravi  
Thomas (AU), Fotis Topouzis (GR), Rohit Varma (US), Ananth Viswanathan (UK),  
Ningli Wang (CN), Tsing-Hong Wang (TW), Tony Wells (NZ), Derek Welsbie (US),  
Tina Wong (SG), Yeni Yucel (CA), Linda Zangwill (US)

## **Abstract Editor**

George Lambrou (GR)



Find out more about XEN  
at the Allergan stand  
number 201

## The power of simplicity



**XEN**<sup>™</sup>  
GLAUCOMA GEL IMPLANT



Rethink glaucoma management

The XEN gel implant is intended to reduce intraocular pressure in patients with primary open angle glaucoma where previous medical treatments have failed. Always refer to full instructions before use. XEN is not commercially available in all countries. A list of where XEN is available and directions for use are available at the Allergan stand. Please ask an Allergan representative. XEN is a medical device class III CE 0086.

Adverse events should be reported to your local regulatory authorities and your Allergan office.

Date of preparation: May 2017 Job code: INT/0204/2017y

# INDUSTRY MEMBER SYMPOSIUM PROGRAMS

The industry programs are outside the jurisdiction of the WGC-2017 Program Planning Committee.

## WEDNESDAY JUNE 28, 2017

**Symposium organizer: Santen Pharmaceutical CO.,LTD.**

**1.00-2.00 pm**

**Room 3e**

**IND-W-01**

**Glaucoma: the patient's view**

*Chairs:*

Hannu Uusitalo (Finland) & Tetsuya Yamamoto (Japan)

1.00-1.10

**Welcome and introduction**

Tetsuya Yamamoto (Japan)

1.10-1.20

**Do I have glaucoma?**

Ki Ho Park (Republic of Korea)

1.20-1.40

**How can I manage my disease?**

Gábor Holló (Hungary)

1.40-1.50

**Do I need to have surgery?**

Paul Palmberg (USA)

1.50-2.00

**Panel discussion**

Tetsuya Yamamoto (Japan)

## THURSDAY JUNE 29, 2017

**Symposium organizer: Glaukos Corporation**

**7.30-8.30 am**

**Room 203a+b**

**IND-T-03**

**MIGS - Start Here: Treatment Algorithms and Beyond**

*Chair:*

Richard Lewis (USA)

7.35-7.44

**Integrating iStent™ In To Your Practice, Recent Experiences**

Mario-Alexander Economou (Sweden)

7.48-7.57

**Clinical Experience Utilising The iStent™ inject in Combined Procedures**

Esther Hoffman (Germany)

8.01-8.10

**iStent™ For Challenging Cases**

Imran Masood (UK)

8.14-8.23

**Intelligent Placement Of iStent™**

Ike Ahmed (Canada)

**Symposium organizer: Diopsys, Inc.**

**7.30-8.30 am**

**Room 207**

**IND-T-01**

**Glaucoma Diagnosis and Management using Modern ERG and SLT**

*Chair:*

Mark Latina (USA)

7.30-8.30

**Glaucoma Diagnosis and Management using Modern ERG and SLT**

Mark Latina (USA)



**Symposium organizer: Alcon**

<b>7.30-8.30 am</b>	<b>Room 208</b>
<b>IND-T-02</b>	<b>CLINICAL CASE SERIES: Innovation in MIGS via the Supraciliary Space</b>
	Keith Barton (UK)
	Randy Craven (USA)
	Carl Erb (Germany)

**Symposium organizer: Novartis Pharmaceuticals Corporation**

<b>12.15-1.15 pm</b>	<b>Hall 1</b>
<b>IND-T-04</b>	<b>Current considerations in the management of glaucoma</b>
<i>Chair:</i>	Keith Martin (UK)
12.15-12.25	<b>Glaucoma today and tomorrow</b>
	Keith Martin (UK)
12.25-12.45	<b>Challenges with adherence/compliance in glaucoma patients</b>
	Paul Harasymowycz (Canada)
12.45-1.05	<b>Fixed dose combinations: their place in the treatment algorithm</b>
	Fotis Topouzis (Greece)

**Symposium organizer: Pfizer**

<b>6.00-7.00 pm</b>	<b>Room 203a+b</b>
<b>IND-T-06</b>	<b>PANEL (Panel of global Experts discuss updates in Glaucoma)</b>
<i>Chair:</i>	Ivan Goldberg (Australia)
6.00-7.00	<b>PANEL (Panel of global Experts discuss updates in Glaucoma)</b>
	Ivan Goldberg (Australia) / Remo Susanna Jr (Brazil)
	Prin Rojanapongpun (Thailand) / Joanna Wiezbowska (Poland)

**Symposium organizer: Carl Zeiss Meditec AG**

<b>6.00-7.00 pm</b>	<b>Room 207</b>
<b>IND-T-05</b>	<b>SITA Faster and Central Testing</b>
<i>Chair:</i>	Mike Patella (USA)
6.03-6.05	<b>Welcome</b>
	Anders Heijl (Sweden)
6.05-6.13	<b>Origins and Design of a faster SITA strategy</b>
	Boel Bengtsson (Sweden)
6.15-6.25	<b>Clinical Study Results of SITA-Faster 24-2</b>
	Anders Heijl (Sweden)
6.27-6.37	<b>Need for Macular VF Testing</b>
	Jeffrey Liebmann (USA)



## FRIDAY JUNE 30, 2017

### Symposium organizer: Heidelberg

7.30 – 8.30 am

Room 203a+b

IND-F-03

Symposium organized by Heidelberg Engineering

### Symposium organizer: Eye Tech Care

7.30-8.30 am

Room 207

IND-F-01

**Focused Ultrasound for Glaucoma : comparing clinical results and perspectives for patients in Western and Asian countries**

*Chair:*

Keith Barton (UK)

7.30-7.40

**High-intensity Focused Ultrasound: mechanisms of actions**

Florent Aptel (France)

7.40-7.50

**Clinical experience on refractory and non-refractory open-angle glaucoma patients**

Ingeborg Stalmans (Belgium)

7.50-8.00

**Clinical experience of focused ultrasound in the Indian population**

Ronnie George (India)

8.00-8.10

**Treatment outcomes on angle-closure glaucoma in Chinese patients**

Jian Ge (China)

### Symposium organizer: Optovue

7.30-8.30 am

Room 208

IND-F-02

**Changing the Glaucoma Paradigm: Detection and Management with OCT & OCTA**

*Chair:*

David Huang (USA)

7.30-7.35

**Introduction**

David Huang (USA)

7.35-7.40

**Latest and Upcoming Developments in Optovue's OCT & OCTA Technology**

Qienyuan Zhou (USA)

7.40-7.48

**Glaucoma Screening with iVue**

David Garway-Heath (UK)

7.48-7.56

**Predicting & Detecting Progression in Glaucoma**

David Huang (USA)

7.56-8.04

**AngioVue OCTA in Early Glaucoma Detection and Monitoring**

Natalia Kuryshva (Russian federation)

8.04-8.12

**The Role of AngioVue OCTA in the Management of Other Optic Nerve Disorders**

Gabor Hollo (Hungary)

8.12-8.17

**AngioVue OCTA in Glaucoma Research**

Linda Zangwill (USA)



### **Symposium organizer: Allergan Pharmaceuticals International**

**12.15 – 1.15 pm Hall 1**

#### **IND-F-04 Glaucoma Management**

*Chairs:* Keith Martin (UK) & Jonathan Crowston (Australia)

12.15-12.20 **Welcome**

Keith Martin (UK) & Jonathan Crowston (Australia)

12.20-12.30 **Should 14 be the new 18?**

Ingeborg Stalmans (Belgium)

12.30-12.40 **The optimal XEN Procedure: Outcomes, Tips & Tricks**

Ike Ahmed (Canada)

12.40-12.50 **Rate of Progression and glaucoma management: Why is it important?**

Francisco Goñi (Spain)

12.50-1.00 **Patient Management: Importance of seeing the Individual Patient**

Jonathan Crowston (Australia)

1.00-1.10 **Interventional glaucoma - from niche to normal?**

Keith Martin (UK)

1.10-1.15 **Summary and close**

Keith Martin (UK) & Jonathan Crowston (Australia)

### **Symposium organizer: Aerie Pharmaceuticals, Inc**

**6.00-7.00 pm Room 208**

#### **IND-F-05 The Innovation of ROCK Inhibition: Netarsudil and Netarsudil/Latanoprost Fixed Dose Combination (FDC)**

*Chair:* Ingeborg Stalmans (Belgium)

6.10-6.20 **IOP in the Balance: Inflow and Outflow Mechanisms**

Robert Fechtner (USA)

6.20-6.35 **Pre-Clinical Studies Characterizing Netarsudil**

Arthur Sit (USA)

6.35-6.50 **Pivotal Trial Results - Netarsudil Phase III Studies: Netarsudil/Latanoprost FDC Phase III Studies**

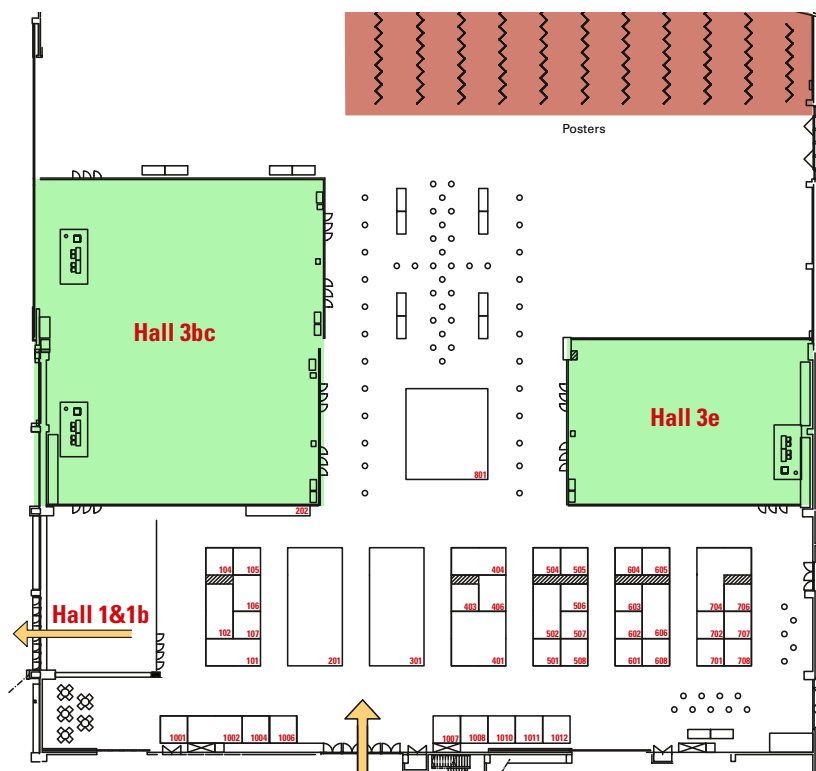
Janet Serle (USA)

6.50-7.00 **Currently Approved Single Agents and Fixed Dose Combinations**

Norbert Pfeiffer (Germany)



# EXHIBITION FLOORPLAN



Company	Booth
Aeon Astron Europe B.V.	501
Aerie Pharmaceuticals, Inc	403
Alcon - Novartis	301
Allergan Pharmaceuticals International	201
Asia-Pacific Academy of Ophthalmology	702
Asia-Pacific Glaucoma Society	507
Beaver Visitec International	701
Carl Zeiss Meditec AG	704
Centervue S.P.A.	102
Diopsys, Inc.	601
European Glaucoma Society	706
Ellex Medical	1012
Eye Tech Care	1002
Glaukos Corporation	401
Haag-Streit AG	504
Heidelberg Engineering GmbH	404
Henan Universe IOL R&M Co., Ltd.	105
Icare Finland Oy	406
International Congress on Glaucoma Surgery	707
IOPTIMA Ltd.	604
Iridex Corporation	1008
iSTAR Medical SA	506

Company	Booth
Kide Systems	104
Molteno Ophthalmic Ltd	1011
NeoMedix Corporation	505
New World Medical Inc.	508
Nidek Co., Ltd	1001
Oculus Optikgeräte GmbH	106
Ocuspecto Oy	608
OPKO Health - Omikron	107
Optopol Technology Sp. Z.o.o.	606
Optovue	101
Quantel Medical	1004
Reichert Inc	605
Rheon Medical SA	602
Santen Pharmaceutical CO.,LTD.	801
Sight Sciences, Inc.	708
SOOFT Italia SPA	502
The Glaucoma Foundation	1010
Théa	1007
Tomey Corporation	105
Tonom GmbH	602
Topcon Corporation	1006
Wisepress Ltd	202





## **CLINICAL CASE SERIES:** Innovation in MIGS via the Supraciliary Space

Alcon's clinical case series will have leading experts discussing patient care with the latest innovation in MIGS, the CyPass® Micro-Stent. Our experience is designed to be interactive with audience response to help shape the discussion.

**THURSDAY, JUNE 29TH**

**7:30 AM – 8:30 AM**

**MESSUKESKUS, EXPO & CONVENTION**

**CENTRE HELSINKI**

**ROOM 208**

**MODERATOR**

**Keith Barton, MD**

Moorfields Eye Hospital

London, UK

**FACULTY**

**E. Randy Craven, MD**

Wilmer Eye Institute

Baltimore, Maryland, USA

**Prof. Dr. med. Carl Erb,**

Schlosspark Clinic

Berlin, Germany

**REGISTER HERE:**

**[HTTP://STARCITE.SMARTEVENTSCLOUD.COM/ALCONMIGSWG](http://starcite.smarteventscLOUD.com/alconmigswgc)**

**CYPASS® MICRO-STENT HAS A CE MARK BUT IS NOT YET AVAILABLE IN FINLAND.  
FOR LOCAL AVAILABILITY, SPEAK WITH AN ALCON REPRESENTATIVE.**

This event is not affiliated with the official program of the CLINICAL CASE SERIES: Innovation in MIGS via the Supraciliary Space.

No continuing education credits will be available.

Please note that attendance at this event is limited to healthcare professionals that are attending the CLINICAL CASE SERIES: Innovation in MIGS via the Supraciliary Space. No hotel accommodations, ground transportation or travel will be covered for this meeting.

As part of Alcon's commitment to complying with relevant legal & industry requirements, food, beverage and other transfers of value will be tracked and reported in accordance with Physician Open Payments reporting, commonly referred to as the Sunshine Act.

Additionally, we regret that we may not be able to provide meals for healthcare professionals employed by the government and/or licensed in the state of Vermont. If you have questions, please notify an Alcon representative.

**ATTENTION: PLEASE REFER TO THE INSTRUCTIONS FOR A COMPLETE LIST OF CONTRAINDICATIONS, WARNINGS, PRECAUTIONS, AND ADVERSE EVENTS.**



**Novartis-Sponsored  
Symposium**



## **Novartis-Sponsored Satellite Symposium at the World Glaucoma Congress 2017**

# **Current considerations in the management of glaucoma**

Date : Thursday 29 June 2017

Time : 12:15 – 13:15

Location: Hall 1, Messukeskus Helsinki,  
Expo and Convention Centre, Finland

*Lunch will be provided*

**Chair:**  
**Keith Martin, UK**

**Program:**  
**Keith Martin, UK**  
**Glaucoma today and tomorrow**  
**Paul Harasymowycz, Canada**  
**Challenges with adherence/  
compliance in glaucoma patients**  
**Fotis Topouzis, Greece**  
**Fixed dose combinations:  
their place in the treatment algorithm**  
**Panel discussion and Q&A**



**Alcon Pharmaceuticals**



*A Clear Vision For Life®*



## Ophthalmology Is Our Singular Focus

### **We Are Constantly Exploring New Possibilities in Eye Care**

With a singular focus on eye care, all our efforts go into advancing the ocular health of patients. That's the Santen Way.

Discover more at [www.santen.com](http://www.santen.com)

**SANTEN PHARMACEUTICAL CO., LTD.**

# SPONSORS

**We thank our sponsors:**

## **Platinum sponsors**



## **Gold sponsor**



## **Other sponsors**

Aerie Pharmaceuticals, Inc  
Bausch + Lomb, Inc  
Carl Zeiss Meditec AG  
Diopsys Inc.  
Ellex Medical  
Glaukos Corporation  
Heidelberg Engineering GmbH  
IOPTima Ltd  
Molteno Ophthalmic Ltd  
New World Medical, Inc  
Novartis (Taiwan)  
Optovue  
Pfizer



## This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Glaucoma: the patient's view

**Co-Chairs: Hannu Uusitalo  
and Tetsuya Yamamoto**

**Wednesday 28 June 2017, 13.00–14.00**

Room 3E, Messukeskus Expo and Convention Centre  
Helsinki, Finland



**13:00 Welcome and introduction**

Hannu Uusitalo (Co-Chair)

*Department of Ophthalmology, School of Medicine,  
University of Tampere, Helsinki, Finland*

Tetsuya Yamamoto (Co-Chair)

*Department of Ophthalmology, Gifu University Graduate  
School of Medicine, Gifu-shi, Japan*

**13:10 Do I have glaucoma?**

Ki Ho Park

*Department of Ophthalmology, Seoul National University  
College of Medicine, Seoul National University Hospital,  
Seoul, South Korea*

**13:20 How can I manage my disease?**

Gábor Holló

*Department of Ophthalmology, Semmelweis University,  
Budapest, Hungary*

**13:40 Do I need to have surgery?**

Paul Palmberg

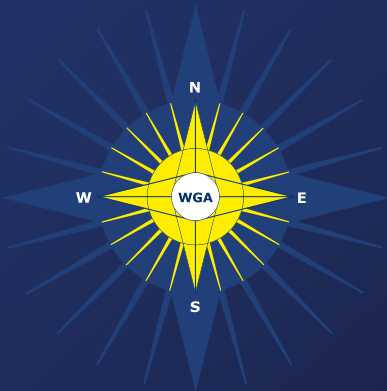
*Bascom Palmer Eye Institute, University of Miami  
Miller School of Medicine, Miami, USA*

**13:50 Panel discussion**

**14:00 Meeting close**

# MARK YOUR CALENDAR!

MARCH 27–30, 2019



8<sup>th</sup> WORLD  
GLAUCOMA  
CONGRESS  
MELBOURNE  
AUSTRALIA

THE GLOBAL GLAUCOMA NETWORK  
[www.worldglaucoma.org](http://www.worldglaucoma.org)