ICGS 2018

September 6-8, 2018

Palais des Congrès de Montréal
Montreal, Canada

PROGRAMME
WELCOME TO THE CONGRESS

December 8 - 9 2018 | Geneva, Switzerland

ISGS MASTERCLASS
SAVE THE DATE

ISGS EXECUTIVE BOARD

President
Tarek Shaarawy
Vice President
Mark Sherwood
Secretary General
Tanuj Dada
Treasurer
Keith Barton
Michael Coote
William E. Sponsel
Paul Chew

The course includes hands-on training in:

- MIGS
- Tubes
- Trabeculectomy
- Non Penetrating Glaucoma Surgery
- Cilio-ablation Techniques

COURSE VENUE

Centre Médical Universitaire CMU
Rue Michel Servet, 1
CH 1211 Geneva 4 - Switzerland

ORGANIZING SECRETARIAT

Viale G. Matteotti, 7 • 50121 Florence • Italy
Ph. +39 055 50351 • www.oic.it • infoisgscourse@oic.it

OIC Srl is a MedTech Trusted Partner

For further information please visit

www.isgs.info
WELCOME TO THE CONGRESS

Dear Colleagues,

It is a great pleasure to welcome you to the 9th International Congress on Glaucoma Surgery (ICGS), held at the Palais des Congrès, Montréal – Canada on September 6-8, 2018.

Over the last 15 years, the ICGS has emerged as the key scientific meeting in the field of Glaucoma that held the highest scientific calibre and offers an opportunity for immediate skill transfer from some of the most gifted glaucoma surgeons across the globe. This unique scientific meeting generates great enthusiasm and is renowned for garnering widespread interest and enrolment.

The world of glaucoma surgery is evolving fast and thus requires keen cooperation and harmonization between research, device innovations, and technical refinements in the surgical management of patients. The prime focus of the ICGS is glaucoma lasers and surgery; however it endeavours to incorporate all aspects of glaucoma care, including epidemiology, diagnostics and medical therapy in order to be increasingly relevant to the glaucoma practitioner.

Montréal is a city of great charm, vivacity, and gaiety, as well as one of unquestioned modernity and it is renowned for its international flavour and inspiring diversity. The French-English bilingualism and its unique mix of European and North American culture adds dynamism to the city. The congress venue is the Palais des Congrès de Montréal (PCM), located in downtown Montreal, near the historic and cultural areas. The PCM is one of North America’s most renowned convention and exhibition centres with its accessible and innovative facilities thereby giving the delegates adequate opportunity to visit exhibition booths during programme breaks and in between sessions.

We offer you our warmest welcome and hope to make the 9th ICGS Congress in Canada a memorable experience for you.

Tarek Shaarawy  
ISGS  
President

Mark Sherwood  
ISGS  
Vice President

Tanuj Dada  
ISGS  
Secretary General
Dr. Graham E. Trope is Professor of Ophthalmology at the University of Toronto and Senior Scientist at the University Health Network. He has directed the Glaucoma Service at University Health Network since 1984.

He is the past Chairman of Ophthalmology at the University of Toronto and past Ophthalmologist in Chief at University Health Network.

He has published over 200 scientific articles.

He has been involved in Glaucoma Research and Treatment for over 30 years and is the Founder and Scientific Director of Glaucoma Research Society of Canada.

He is the past Editor in Chief of the Canadian Journal of Ophthalmology. He is a winner of the Ontario College of Physicians and Surgeons Council Award for his contributions to patient care. He was awarded the Queen Elizabeth II Diamond Jubilee medal for his contribution to Ophthalmology in Canada. He has trained 51 glaucoma fellows from all parts of Canada and the world and is a past examiner for the Royal College of Physicians and Surgeons of Canada.

He has published two books, one titled “Glaucoma, A patient’s guide to the disease” and the other titled “Glaucoma Surgery”.

Graham E. Trope
MB, BCh., PhD, FRCSC, FRCS (Ed), FRCS Ophth, Dip. Ophthalmol (RCP&S London)
Professor Ophthalmology, University Toronto
Director Glaucoma Service, Toronto Western Hospital
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COMMITTEES

EXECUTIVE BOARD

Tarek Shaarawy – President
Mark Sherwood – Vice President
Tanuj Dada – Secretary General
Keith Barton - Treasurer
Paul Chew
Michael Coote
William E. Sponsel

ICGS HONORARY PRESIDENT

Graham E. Trope

LOCAL ORGANISING COMMITTEE (LOC CHAIRS)

Ali Hafez
Paul Harasymowycz

PROGRAMME CHAIR FOR ICGS 2018

Michael Coote

SCIENTIFIC COMMITTEES

SCIENTIFIC COMMITTEE FOR ICGS 2018

Tarek Shaarawy
Michael Coote

COMMITTEE FOR EVALUATING POSTERS

Tarek Shaarawy
Michael Coote
GENERAL INFORMATION

CONGRESS VENUE
Palais des Congrès de Montréal - LEVEL 5 - East side
201, Viger Street West, QC, H2Z 1X7, Montréal - Canada
Tel.: +1 514 871-8122 - http://congresmtl.com/en/

GROUND FLOOR
Access to the Congress Venue
201 Viger Street

LEVEL 5
Main Room
Parallel Room
Slide Centre
Exhibition Area
Catering Area
Registration Desk
Poster Area
Video
Wetlab

Access to the Congress Venue
from Westin Hotel

Cloakroom
2nd FLOOR
GENERAL INFORMATION

ORGANISING SECRETARIAT

OIC s.r.l.
Viale Giacomo Matteotti, 7 - 50121 Florence (Italy)
Tel.: +39 055 50351 - Fax: +39 055 5001912
icgs2018@oic.it

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REGISTRATION DESK

The Organising Secretariat Desk will be open for registration and information according to the following time schedule:

- Thursday, September 6: 10.00 to 19.30
- Friday, September 7: 07.00 to 18.30
- Saturday, September 8: 07.30 to 18.00

CONGRESS REGISTRATION FEES

<table>
<thead>
<tr>
<th>REGISTRATION FEES (tax included, if applicable)</th>
<th>On site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delegates</td>
<td>€ 650.00</td>
</tr>
<tr>
<td>Residents* and Fellows*</td>
<td>€ 300.00</td>
</tr>
<tr>
<td>Canadian Residents* and Fellows*</td>
<td>€ 225.00</td>
</tr>
<tr>
<td>Exhibitors</td>
<td>€ 240.00</td>
</tr>
<tr>
<td>Accompanying persons**</td>
<td>€ 220.00</td>
</tr>
<tr>
<td>Social Dinner on September 7 for Exhibitors, Residents and Fellows</td>
<td>€ 165.00</td>
</tr>
<tr>
<td>Wet Lab***</td>
<td>€ 150.00</td>
</tr>
</tbody>
</table>

* Application for the residents/fellows fee should be certified by a letter from the head of the department to be up-loaded in the on-line platform directly (pdf format is required), stating that the applicant is an ophthalmology resident at the time of registration. The fee for Residents and Fellows does not include the Social Dinner on September 7.

** Accompanying person fee includes: Welcome Reception during the Opening Ceremony on September 6 and Social Dinner on September 7.

*** Mandatory previous registrations to the Congress (only few places available). Registrations will be accepted on the “first come first served” basis.
GENERAL INFORMATION

REGISTRATION FEES INCLUDE
• Access to the exhibition
• Congress kit including certificate of attendance (not included in Exhibitors’ fees) and name badge
• Final programme
• Abstract book (available only online on www.icgs2018.org)
• Working lunches and coffee breaks
• Opening Ceremony and Welcome Reception on September 6
• Social Dinner on September 7 (not included in Exhibitors’ fees and in Residents’ and Fellows’ fees)

Registration is mandatory for participation in the scientific sessions and for all oral, video and poster presenters.

PARALLEL COURSE
Registration to the Parallel Course is free of charge for participants registered to the Congress. The pre-registration is not required and the attendance is possible while seats are available. Requests for participation will be accepted on the “first come first served” basis.

BADGES
Participants are kindly requested to wear the name badge when entering the congress venue and to access any offered services. The access to the above mentioned areas and services is not allowed without the badge.

Badge color coding is as follows:
Gold           ISGS Executive Committee Members
Red            Faculty
No color       Delegates
Yellow         Exhibitors
Blue           Accompanying Persons

CERTIFICATE OF ATTENDANCE
The certificate of attendance will be included in the congress kit.

COFFEE AND TEA BREAKS
During morning and afternoon breaks, delegates will have the chance to visit the Poster and Video Area as well as the Exhibition Area.
GENERAL INFORMATION

LUNCH BOXES
On September 6, 7 and 8 lunch boxes will be provided. Participants will find the tickets for the lunch boxes collection in their course kit. Tickets shall be handed to the caterer staff.

EXHIBITION
An exhibition of the latest pharmaceutical products, electromedical devices and scientific publications is located in Room 517D. Opening hours will be corresponding to the congress activities as follows:

- Thursday, September 6 11.00 to 19.30
- Friday, September 7 07.00 to 18.30
- Saturday, September 8 07.30 to 18.00

CLOAKROOM
For the first and last day of the congress a cloakroom located in the Viger Hall will be open for delegates bringing in their suitcases. The cost is $5/suitcase. Delegates are not allowed to bring their suitcases inside the Congress areas on Level 5.

ABOUT MONTREAL
Montréal is a beautiful city renowned for its international flavor and inspiring diversity. Located on an island in the St. Lawrence River, it is home to approximately 1.6 million residents and the largest bilingual workforce in Canada. It is the largest French-speaking city outside France and a perfect blend of European energy and North American efficiency. One of the world’s top convention cities and a certified destination for sustainable events, there’s something for everyone here. You’ll find a friendly population, world-famous gastronomy, and an atmosphere of celebration!

Vibrant nightlife and eclectic cuisine. Cobblestone streets and a horse-drawn calèche. In Montréal, the old city blends seamlessly with a modern metropolis of glass and steel, and trendy boutiques sit side-by-side with quaint bistro and brasseries. Montréal offers a unique tour of the gastronomic pleasures of the world. With more than 4,000 restaurants, serving the national cuisine of some 80 countries, no wonder this city is considered one of the world’s leading culinary centers.

You may enjoy the artisan studios of the Old Port, or the shops, theaters, and major department stores of the underground city. Montréal’s artistic scene includes one of the world’s leading orchestras, an internationally-renowned ballet company, English and French theaters, comedy clubs, and dozens of museums and galleries.

For more details on Montréal and available tours, visit www.tourisme-montreal.org
PUBLIC TRANSPORTATION IN MONTREAL
Public transport is a great way to see the city. Hop on the metro and in just 10 minutes you’re at a museum, restaurant or in Old Montréal. Affordable and reliable, the metro can be accessed via the city’s Underground Pedestrian Network: two of the four main lines connect downtown to major tourism sites as well as to numerous bus stops and train stations. Weekly passes are available. Metro operating hours are Monday to Friday and Sunday from 5.30 to 1, and Saturday from 5.30 to 1.30. The average wait time between trains is eight minutes and three minutes during rush hour.

If you prefer getting around by taxi, it’s easy to flag one down on the street. You’ll also find them at one of the city’s many taxi stands or in front of most major hotels.

Taxi Diamond +1 514 273-6331
Taxi Coop +1 514-725-9885
Taxi Champlain +1 514-271-1111

SOCIAL EVENTS

The following Social Events have been planned for congress participants. Tickets for the reserved events will be included in the personal congress kit delivered to participants upon registration.

Thursday, September 6 at 18.30
CONGRESS RECEPTION
The Congress Reception will take place at the Congress Venue in the Exhibition Area.

Friday, September 7 at 19.30
SOCIAL DINNER
The Social Dinner will take place at The Windsor Ballrooms (1170, rue Peel, Bureau 110 Montréal, Quebec, H3B 4P2)
Tel.: (514) 393-3588
On site registrations will be accepted according to availability. If you require further information or if you have food allergies or need special meals please contact the Registration Desk on site.
SCIENTIFIC INFORMATION

OFFICIAL LANGUAGE
The official language of the 9th International Congress on Glaucoma Surgery is English. All participants are encouraged to join discussions, independently of their fluency in English as the exchange of ideas and critical evaluation of presentations is the main purpose of the event.

MAIN SESSIONS
All plenary sessions will be held in Room 517 C (level 5).

POSTERS
Posters shall be put up by authors in the appropriate numbered space in the Poster Area (Room 517D – level 5). They shall be put up on Thursday, September 6, starting from 10.00 and will remain until Saturday, September 8 when they have to be removed starting from 18.00.
The poster discussion will take place during morning and afternoon tea breaks according to the final programme schedule. Attendance at least one break is mandatory. Authors are kindly requested to remain near their poster in order to answer to questions from their colleagues. Participants are also invited to visit the poster sessions during morning and afternoon coffee and tea breaks. Each author is kindly requested to respect the assigned position for his/her poster/s. The necessary material to put up the poster will be provided directly in the Poster Area.
The Organising Secretariat is not responsible for those posters that are not removed at the end of the Congress.

VIDEO LOOP
Delegates will have the opportunity to enjoy videos on innovative and educational topics regarding glaucoma surgery. Videos will be projected in loop in the Poster area (Room 517D – level 5) on 6, 7 and 8 September during the scientific sessions. Please see pages 30-31 for the list of videos that will be shown.

ABSTRACT BOOK
ICGS abstracts will be available to the participants on the Congress website www.icgs2018.org

SPONSORED SYMPOSIA
Lunchtime and Breakfast Educational Partner Symposia will be held on September 6, 7 and 8 in Main Room 517C and will allow Sponsors to present their latest innovations, offering delegates the chance to exchange ideas with colleagues while acknowledged leaders in the field of Glaucoma Surgery discuss their specialist subject. These Symposia are not CME accredited. The schedule of Educational Partner Symposia can be found on page 43.
SCIENTIFIC INFORMATION

SLIDE PREVIEW ROOM
All meeting rooms are equipped with a computer slide projector. It will be not possible to use personal laptops in the meeting rooms. Speakers are kindly requested to use “PowerPoint” (Windows or Macintosh/Apple) for their presentations. The dimensions of PowerPoint presentation should not exceed 300 MB, videos included. Please use “.gif” and “.jpg” extensions for images. Other types of extensions will be accepted, provided they can be recognized by PowerPoint. The use of pens or memory stick is advisable to download presentations, and should be handed to technicians at the Slide Preview Room well in advance. Please remember to collect your memory pen from the Slide Centre at the end of the session.

WI-FI INTERNET CONNECTION
Free Wi-Fi Internet connection will be available in all meeting rooms and common spaces.

CME DESIGNATIONS
MOC Section 1: The 9th International Congress on Glaucoma Surgery is an Accredited Group Learning activity under (Section 1) as defined by the Maintenance of Certification (MOC) Program of the Royal College of Physician and Surgeons of Canada (RCPSC) and was approved by the Canadian Ophthalmological Society. Participants may claim a maximum of 17.5 hours (credits are automatically calculated).

AMA PRA category 1: Through an agreement between the RCPSC and American Medical Association (AMA), physicians may convert Royal college MOC credits to AMA PRA category 1 credits. For more information on the process to convert visit: https://www.ama-assn.org/education/agreement-royal-college-physicians-surgeons-canada

UEMS for ECMEC: Live educational activities recognized by the RCPSC as Accredited Group Learning Activities (Section 1) are deemed by the European Union of Medical Specialists (UEMS) eligible for ECMEC®. Further information about credits will be given at the Registration Desk on site.

LEARNING OBJECTIVES: By participating in ICGS 2018, attendees will be able to:
• Identify the theoretical and practical capabilities necessary for glaucoma surgery
• Demonstrate new skills garnered from skills transfer and debate with other practitioners
• Discuss clinical experiences relevant to glaucoma surgery
• Contribute to the overall capacity of glaucoma surgery in the world
<table>
<thead>
<tr>
<th>Sessions</th>
<th>Learning Objectives</th>
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</thead>
<tbody>
<tr>
<td><strong>Thursday, September 6</strong></td>
<td></td>
</tr>
<tr>
<td>12.30 Honorary President Keynote Lecture - Glaucoma Surgery Developing Through My Eyes</td>
<td>To recount the history of glaucoma education and its future directions.</td>
</tr>
<tr>
<td>14.30 What Works - free papers 1</td>
<td>To demonstrate their capacity in existing glaucoma surgical techniques.</td>
</tr>
<tr>
<td>15.30 Better Basics - free papers 2</td>
<td></td>
</tr>
<tr>
<td>17.00 The Globe: Glaucoma Surgery Around the World</td>
<td>To assess the reach and breadth of glaucoma surgical training around the world. To describe training opportunities and models in less developed health systems.</td>
</tr>
<tr>
<td>18.00 Clive Migdal Lecture</td>
<td>To consider the interaction and support that health care systems can provide each other.</td>
</tr>
<tr>
<td><strong>Friday, September 7</strong></td>
<td></td>
</tr>
<tr>
<td>09.00 How One - free papers 3</td>
<td>To reflect upon methodologic issues in glaucoma surgery. To reflect upon method and the effect on outcome in Glaucoma Surgery.</td>
</tr>
<tr>
<td>10.00 How Two - free papers 4</td>
<td></td>
</tr>
<tr>
<td>09.00 Parallel Course 1</td>
<td>To describe classification, discernment and interventional techniques in filtration surgery and the outcomes.</td>
</tr>
<tr>
<td>Blebs: the Big, Bad And Beautiful. Managing the Miscreants</td>
<td></td>
</tr>
<tr>
<td>10.00 Parallel Course 2</td>
<td></td>
</tr>
<tr>
<td>Rescuing Glaucoma Surgery - Tips And Techniques</td>
<td></td>
</tr>
<tr>
<td>11.30 Thom J. Zimmerman Lecture</td>
<td>To reflect upon the process of acquiring, disseminating and evaluating information about glaucoma surgery.</td>
</tr>
<tr>
<td>12.00 Executive ReVision. References reviewed</td>
<td>To engage in and evaluate the significant glaucoma surgical studies in a discursive style.</td>
</tr>
<tr>
<td>14.30 Clinical Problems Worth Solving Glaucoma Problem Solving (GPS 1)</td>
<td>To review clinical issues for which there is incomplete evidence.</td>
</tr>
<tr>
<td>15.30 Parallel Course 3 - Resident Course: Gonioscopy, Optic Nerve Evaluation And Perimetry</td>
<td>To review techniques related to gonioscopy, optic nerve evaluation and perimetry.</td>
</tr>
<tr>
<td>16.45 Montreal Grand Round</td>
<td>To assess the development of clinical scenarios and decision making.</td>
</tr>
<tr>
<td><strong>Saturday, September 8</strong></td>
<td></td>
</tr>
<tr>
<td>08.15 Why and When One - free papers 5</td>
<td>To reflect on the indications and context of glaucoma surgery. To consider various options related to surgical decision making.</td>
</tr>
<tr>
<td>09.00 Why and When Two - free papers 6</td>
<td>To describe the significant changes that have occurred in glaucoma surgery in the last decade.</td>
</tr>
<tr>
<td>11.00 Doug Johnson Lecture</td>
<td>To determine the effectiveness of communication of surgical issue in video and poster format</td>
</tr>
<tr>
<td>11.30 Interrogation and Reward - Video and Poster Prize Session</td>
<td></td>
</tr>
<tr>
<td>14.00 Inflammatory Plumbing - Glaucoma Surgery in Uveitis</td>
<td>To identify surgical pearls for glaucoma surgery in uveitis. To identify tips and tricks for glaucoma surgery and cataract</td>
</tr>
<tr>
<td>14.45 Windows and Water - Glaucoma Surgery and Cataract</td>
<td></td>
</tr>
<tr>
<td>15.30 Managing Missing Aqueous - Glaucoma Surgery and Aqueous Misdirection</td>
<td>To manage missing aqueous in glaucoma surgery</td>
</tr>
<tr>
<td>16.30 “Seeing to the End” - Glaucoma Problem Solving (Gps2)</td>
<td>To describe problem solving techniques for trauma, hypotony and glaucoma surgery in Low Tension Glaucoma.</td>
</tr>
</tbody>
</table>
EXHIBITION AREA AND STAND DIRECTORY

DIRECTORY

ALCON  2  JAYPEE BROTHERS  17
ALLERGAN  4  LABORATOIRES THEA  8
CANADIAN GLAUCOMA SOCIETY  16  NEW WORLD MEDICAL  15
ELLEX  9  RHEON MEDICAL  18
GLAUKOS  6  SANTEN PHARMACEUTICAL  3
I-MED PHARMA  19

WIFI NETWORK: icgs2018
PASSWORD: ICGS2018
ACKNOWLEDGEMENTS

The International Society of Glaucoma Surgery wishes to express its gratitude to all Sponsors for their generous support to the Congress.

PLATINUM SUPPORTERS

Alcon
A Novartis Division

Allergan

Santen

BRONZE SUPPORTER

ellex

GLAUKOS
Transforming Glaucoma Therapy

Théa

EXHIBITORS

I-MED PHARMA

NEW WORLD MEDICAL

RHEON MEDICAL
# TIMETABLE

### Thursday, September 6, 2018

**Main Room**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.00-13.00</td>
<td>Opening and Welcome</td>
</tr>
<tr>
<td>12.30-13.00</td>
<td>Honorary President Keynote Lecture</td>
</tr>
<tr>
<td>13.00-14.30</td>
<td>Educational Partner Lunch Symposium</td>
</tr>
<tr>
<td>14.30-15.30</td>
<td>What Works - free papers 1</td>
</tr>
<tr>
<td>15.30-16.30</td>
<td>Better Basics - free papers 2</td>
</tr>
<tr>
<td>16.30-17.00</td>
<td>Afternoon Tea with Posters and Videos <em>(Exhibition Area)</em></td>
</tr>
<tr>
<td>17.00-18.00</td>
<td>The Globe: Glaucoma Surgery around the World</td>
</tr>
<tr>
<td>18.00-18.30</td>
<td>Clive Migdal Lecture</td>
</tr>
<tr>
<td>18.30-19.30</td>
<td>Congress Reception <em>(Exhibition Area)</em></td>
</tr>
</tbody>
</table>

### Friday, September 7, 2018

**Main Room**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00-09.00</td>
<td>Educational Partner Breakfast Symposium</td>
</tr>
<tr>
<td>09.00-10.00</td>
<td>How One - free papers 3</td>
</tr>
<tr>
<td>10.00-11.00</td>
<td>How Two - free papers 4</td>
</tr>
<tr>
<td>11.00-11.30</td>
<td>Morning Tea with Posters and Videos <em>(Exhibition Area)</em></td>
</tr>
<tr>
<td>11.30-12.00</td>
<td>Thom J. Zimmerman Lecture</td>
</tr>
<tr>
<td>12.00-13.00</td>
<td>Executive ReVision. References Reviewed</td>
</tr>
<tr>
<td>13.00-14.30</td>
<td>Educational Partner Lunch Symposium</td>
</tr>
<tr>
<td>14.30-16.30</td>
<td>Clinical Problems Worth Solving Glaucoma Problem Solving (GPS 1)</td>
</tr>
<tr>
<td>16.30-16.45</td>
<td>Afternoon Tea with Posters and Videos <em>(Exhibition Area)</em></td>
</tr>
<tr>
<td>16.45-17.30</td>
<td>Montreal Grand Round Circus</td>
</tr>
</tbody>
</table>

**Parallel Room**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00-09.00</td>
<td>Parallel Course 1 - Blebs: The Big, Bad and Beautiful. Managing the Miscreants</td>
</tr>
<tr>
<td>10.00-11.00</td>
<td>Parallel Course 2 - Rescuing Glaucoma Surgery - Tips and Techniques</td>
</tr>
<tr>
<td>11.30-12.00</td>
<td>Parallel Course 3 - Resident Course: Gonioscopy, Optic Nerve Evaluation and Perimetry</td>
</tr>
</tbody>
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*TIMETABLE*
<table>
<thead>
<tr>
<th>Time</th>
<th>Main Room</th>
<th>Wetlab Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.15-09.30</td>
<td>Why and When One - free papers 5</td>
<td>08.30-10.30</td>
</tr>
<tr>
<td>09.30-10.30</td>
<td>Why and When Two - free papers 6</td>
<td>Wetlab</td>
</tr>
<tr>
<td>10.30-11.00</td>
<td>Morning Tea with Posters and Videos (Exhibition Area)</td>
<td></td>
</tr>
<tr>
<td>11.00-11.30</td>
<td>Doug Johnson Lecture</td>
<td></td>
</tr>
<tr>
<td>11.30-12.30</td>
<td>Interrogation and Reward Video and Poster Prize Session</td>
<td></td>
</tr>
<tr>
<td>12.30-14.00</td>
<td>Educational Partner Lunch Symposium</td>
<td></td>
</tr>
<tr>
<td>14.00-14.45</td>
<td>Inflammatory Plumbing - Glaucoma Surgery in Uveitis</td>
<td></td>
</tr>
<tr>
<td>14.45-15.30</td>
<td>Windows and Water - Glaucoma Surgery and Cataract</td>
<td></td>
</tr>
<tr>
<td>15.30-16.00</td>
<td>Managing Missing Aqueous - Glaucoma Surgery and Aqueous Misdirection</td>
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<tr>
<td>16.00-16.30</td>
<td>Afternoon Tea with Posters and Videos (Exhibition Area)</td>
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<tr>
<td>16.30-18.00</td>
<td>“Seeing to the End” Glaucoma Problem Solving (GPS 2)</td>
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<tr>
<td>18.00</td>
<td>Goodbye from Montreal - Closing</td>
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THURSDAY, SEPTEMBER 6, 2018

12.00 OPENING AND WELCOME  
Main Room

12.00 Welcome to Montreal and to the ICGS 2018  
Tarek Shaarawy (Switzerland) and Catherine Birt (Canada)

Michael Coote (Australia) - Scientific Programme  
Ali Hafez (Canada) - Local Committee

12.30 Honorary President Keynote Lecture  
KLI  
Introduction: Catherine Birt (Canada)  
Graham E. Trope (Canada)

A guide to surviving a glaucoma surgical career

13.00 EDUCATIONAL PARTNER LUNCH SYMPOSIUM  
Main Room
(see page 43)

14.30 WHAT WORKS - free papers 1  
Main Room
15.30 Chairs: Colin Clement (Australia), Tanuj Dada (India), Mark Lesk (Canada)

14.30 Invited Lecture  
IL1  
Patient oriented outcomes: Preliminary PROMS  
Tarek Shaarawy (Switzerland)

14.40 Twenty-year outcomes in newly diagnosed glaucoma patients: mortality, visual function and surgical outcomes  
FP1.1  
G. Ratnarajan, C. King, J. Sherwin, J. Salmon (United Kingdom)

14.48 The effect of trabeculectomy surgery on the central visual field in patients with glaucoma using microperimetry and optical coherence tomography  
FP1.2  
H. Chan, G. Ratnarajan, J. Jolly, I. Yusuf, J. Salmon (United Kingdom)

14.56 Outcome of Ahmed glaucoma valve surgery as primary treatment  
FP1.3  
A. Basia (India)
THURSDAY, SEPTEMBER 6, 2018

15.04 Evaluation of the early to mid-term efficacy and safety of deep sclerectomy for open-angle glaucoma in an Australian population
C. Clements, M. Hui (Australia)

15.12 Nonpenetrating deep sclerectomy with mitomycin C: 5 year follow-up with analysis of IOP control and visual field survival
G. Slagle, W. Sponsel, S. Groth (USA)

15.20 Discussion

15.30 BETTER BASICS - free papers 2
Main Room

15.30 Invited Lecture
IL2 Innovative methods to modulate wound healing
Cindy Hutnik (Canada)

15.42 Trabeculectomy: comparison of long term efficacy of injection or sponge application of mitomycin-C
M. Carrière, C. Lajoie, E. Chalifoux (Canada)

15.50 Efficacy and safety of subconjunctival injection of low-dose mitomycin-C compared to intraoperative application in deep sclerectomy
P. Alaghband, N. Anand (United Kingdom)

15.58 “Smart trab” - 2.5 years results of modified trabeculectomy. Success rate and complications
C. Terzidou, A. Trivli, G. Dalianis (Greece)

16.06 Impact of phacoemulsification on filtering bleb morphology identified via three-dimensional anterior segment optical coherence tomography
A. Narita, T. Miyake, K. Sugi, Hara, T. Ishikawa, J. Seguchi (Japan)

16.14 Invited Lecture
IL3 New methods of Trabeculectomy
Tanuj Dada (India)

16.26 Discussion

16.30 Afternoon tea with posters and videos
Exhibition Area
THURSDAY, SEPTEMBER 6, 2018

17.00  THE GLOBE: GLAUCOMA SURGERY AROUND THE WORLD  Main Room
   Chairs: William Eric Sponsel (USA), André Mermoud (Switzerland),

17.00  Surgical developments for the developing world  MS1.1  André Mermoud (Switzerland)

17.06  Plumbing where it counts  MS1.2  Leon Herndon (USA)

17.12  Technical challenges in glaucoma care deliver  MS1.3  Anthony Realini (USA)

17.18  Tubes as primary surgery  MS1.4  Kin Sheng Lim (United Kingdom)

17.24  Developing teaching programs for Africa  MS1.5  Karim Damji (Canada)

17.30  Glaucoma surgery in the Australian outback  MS1.6  Ashish Agar (Australia)

17.36  Screening in South Africa  MS1.7  Stephen Cook (South Africa)

17.42  Discussion

18.00  CLIVE MIGDAL LECTURE  Main Room
   Introduction: Tarek Shaarawy
   William Eric Sponsel (USA) - “Plumbing and Wiring, Water and Light”

18.30  Congress Reception  Exhibition Area

19.30
FRIDAY, SEPTEMBER 7, 2018

THE HOW: TECHNIQUE DAY

08.00 EDUCATIONAL PARTNER BREAKFAST SYMPOSIUM
09.00 (see page 43)

09.00 HOW ONE - free papers 3
10.00 Chairs: Catherine Birt (Canada), Robert David Fechtner (USA)

09.00 Short-term surgical outcome of modified gonio-assisted transluminal trabeculotomy with double-mirror goniolens for primary angle closure glaucoma

09.06 Evaluation of safety and efficacy of implantation of a collagen implant in the supraciliary space in decreasing intraocular pressure in patients having coexisting pathologies - Preliminary results
V. Kumar, A. Shradqa, G. Dushina, M. Frolov, A. Bezzabotnov (Russia)

09.12 Safety and effectiveness of implantation of a stainless steel implant in the supraciliary space in decreasing intraocular pressure in glaucoma patients
A. Shradqa, V. Kumar, G. Dushina, A. Bezzabotnov, M. Frolov (Russia)

09.18 Combined XEN-Baerveldt implantation for refractory childhood glaucoma
F. Grehn, E. Hoffmann, T. Arad (Germany)

09.24 Pathogenetically directed treatment method of ciliochoroidal detachment after glaucoma surgery
T. Sokolovskaya, Y. Kovalenko, Y. Gorodetskaya (Russia)

09.30 Is a day 1 postoperative review required following ab interno Xen gel stent surgery?
Southern UK Xen Audit Group, A. Karimi, D. Lindfield (United Kingdom)

09.36 Safety and efficacy of ab-externo Schlemm’s canal dilation using Kumar’s 3rd generation metallic Schlemm’s canal expander in management of glaucoma in cataract patients
G. Dushina, V. Kumar, A. Bezzabotnov, A. Shradqa, M. Frolov (Russia)

09.42 Discussion
FRIDAY, SEPTEMBER 7, 2018
THE HOW: TECHNIQUE DAY

09.00 PARALLEL COURSE 1
Parallel Room

10.00 BLEBS: THE BIG, BAD AND BEAUTIFUL.
MANAGING THE MISCREANTS
Course Leaders: Michael Coote (Australia), Mark Lesk (Canada),
Shamira Perera (Singapore), Tarek Shaarawy (Switzerland),
Mark Sherwood (USA)

10.00 HOW TWO - free papers 4
Main Room

10.00 Chairs: Keith Barton (United Kingdom), Garfield Miller (Canada),
Zeynep Aktas (Turkey)

10.00 eyePlate, a newly designed implant combined with the adjustable eyeWatch
device
A. Villamarin¹, S. Roy¹, C. Stergiopulos¹, N. Stergiopulos¹, C. Kniestedt¹,
F. Topouzis², E. Detorakis², A. Mermoud¹ (¹Switzerland, ²Greece)

10.06 CO₂ laser assisted deep sclerectomy (CLASS)
FP4.2 A. Åref¹, S. Roy², A. Mermoud², T. Shaarawy² (¹Egypt, ²Switzerland)

10.12 New technique for avoid glaucoma and other complications after
FP4.3 vitreoretinal surgery with silicon oil (Masoud Nano balloon)
M. Masoudnaseri (Ukraine)

10.18 Pars plana EX-PRESS Shunt for management of persistent glaucoma after
FP4.4 Silicone oil removal in vitrectomized eye.A potential novel technique
A. Abdullatif, H. El Saied (Egypt)

10.24 Goniotomy with trabecular meshwork excision using the Kahook dual blade
FP4.5 in severe and refractory glaucoma: six month outcomes
K. Mansouri¹, L. Salinas¹, L. Seibold², S. Dorairaj² (¹Switzerland, ²USA)

10.30 Is the timing of laser goniopuncture after deep sclerecotomy important?
FP4.6 D. Holmes, M. Hui, C. Clement (Australia)

10.36 Trascleral cyclophotocoagulation diode laser: our experience in improving safety
FP4.7 and efficacy
S.M. Ezzouhairi (Morocco)

10.42 Comparison of surgical outcomes between ab-interno trabeculectomy using
FP4.8 a Kahook Dual Blade and iStent trabecular micro-bypass stent
D. Lee, J. King, S. Thomsen, J. An (USA)

10.48 Discussion
## FRIDAY, SEPTEMBER 7, 2018

### THE HOW: TECHNIQUE DAY

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<th>Time</th>
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<tbody>
<tr>
<td>10.00</td>
<td>PARALLEL COURSE 2</td>
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<tr>
<td>11.00</td>
<td>RESCUING GLAUCOMA SURGERY - TIPS AND TECHNIQUES</td>
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<td></td>
<td>Course Leaders: Robert David Fechtner (USA), Ayesha Karimi (United Kingdom), Marcelo Nicolela (Canada), Chelvin Sng (Singapore)</td>
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<tr>
<td>11.00</td>
<td>Morning tea with posters and videos</td>
<td>Exhibition Area</td>
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<tr>
<td>11.30</td>
<td>THOM J. ZIMMERMAN LECTURE</td>
<td>Main Room</td>
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<tr>
<td>12.00</td>
<td>Introduction: Mark Sherwood (USA)</td>
<td>Main Room</td>
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<td>L2</td>
<td>Jeffrey M. Liebmann (USA) - “Advancing and Transmitting Surgical Knowledge”</td>
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<tr>
<td>12.00</td>
<td>EXECUTIVE ReVISION. REFERENCES REVIEWED</td>
<td>Main Room</td>
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<tr>
<td>13.00</td>
<td>Introduction: Tarek Shaarawy (Switzerland)</td>
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<td>Chairs: Leon Herndon (USA), Jeffrey M. Liebmann (USA), Susan Wakil (USA)</td>
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<td>EXECUTIVE ReVISION. REFERENCES REVIEWED</td>
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<tr>
<td>13.00</td>
<td>EDUCATIONAL PARTNER LUNCH SYMPOSIUM</td>
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<td>14.30</td>
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## FRIDAY, SEPTEMBER 7, 2018

### THE HOW: TECHNIQUE DAY

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<tbody>
<tr>
<td>14.30</td>
<td>CLINICAL PROBLEMS WORTH SOLVING</td>
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<td>16.30</td>
<td>GLAUCOMA PROBLEM SOLVING (GPS 1)</td>
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<td>14.30</td>
<td>Falling IOLs and rising IOPs. PXF.</td>
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<td>Chair: Paul Harasymowycz (Canada)</td>
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<td>Panelists: Sebastian Gagne (Canada), Nathan Kerr (Australia),</td>
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<td>Arvind Neelakantan (USA), Gokulan Ratnarajan (United Kingdom),</td>
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<td></td>
<td>Steven Schendel (Canada)</td>
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<td>15.15</td>
<td>ICE flows. Challenges</td>
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<td>Chair: Leon Au (United Kingdom)</td>
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<td>Panelists: Catherine Birt (Canada), Franz Grehn (Germany),</td>
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<td>Loon Seng Chee (Singapore), Chelvin Sng (Singapore), Andrew Walkden</td>
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<td>(United Kingdom)</td>
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<td>15.50</td>
<td>Big Problems in Small Eyes. Nanophthalmos</td>
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<td>Chair: Kaweh Mansouri (Switzerland)</td>
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<td>Panelists: Abdullatif Abdussalam (Egypt), Michael Coote (Australia),</td>
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<td>Yoshiaki Kiuchi (Japan), Mohammad Pakravan (Iran), Shamira Perera</td>
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<td>15.30</td>
<td>PARALLEL COURSE 3</td>
<td>Parallel Room</td>
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<td>16.30</td>
<td>RESIDENT COURSE: GONIOSCOPY AND OPTIC NERVE EVALUATION</td>
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<td>Course Leaders: Tanuj Dada (India), Ali Hafez (Canada), Nathan Kerr</td>
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<tr>
<td>16.30</td>
<td>Afternoon tea with posters and videos</td>
<td>Exhibition Area</td>
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<tr>
<td>16.45</td>
<td>MONTREAL GRAND ROUND CIRCUS</td>
<td>Main Room</td>
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<tr>
<td>17.30</td>
<td>Chairs: Paul Harasymowycz (Canada), Hadi Saheb (Montreal Canada)</td>
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<td>Panelists: Catherine Birt (Canada), Robert David Fechtner (USA),</td>
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<td>Alaa Mofti (Canada), Roland Seif (Canada), Tarek Shaarawy</td>
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<td>(Switzerland), Mark Sherwood (USA)</td>
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SATURDAY, SEPTEMBER 8, 2018

THE WHY AND WHEN: CLINICAL APPLICATIONS DAY

08.15 WHY AND WHEN ONE - free papers 5 Main Room
09.30 Chairs: Leon Au (United Kingdom), Sebastian Gagne (Canada), Sidi Mohammed Ezzouhairi (Morocco), Yasmine El Sayed (Egypt)

08.15 Phaco-endocycloplasty vs phaco-trabeculectomy in PACG: 1-year results of a pilot study
V. Pathak Ray, S. Badakare, V. Puri, D. Rao, N. Choudhari (India)

08.21 Tube shunt revision with excision of fibrotic capsule, with MMC and a collagen matrix implant: a 3-year follow-up study
A. Salimi, P. Harasymowycz (Canada)

08.27 Efficacy and safety of ABiC in primary open angle glaucoma (POAG) over a 24-month period
M. Khaimi (USA)

08.33 Outcomes of Ahmed valve implants in childhood glaucoma at a tertiary eye care center in the Middle East
A. Mofti¹, A. Al-Harbi¹, M. Alsuhaibani¹, A. Aljaber¹, L. Altamimi¹, I. Al-Jadaa¹, S. Ahmad², R. Malik¹ (¹Saudi Arabia, ²USA)

08.39 The surgical outcome of glaucoma drainage device implants in pediatric glaucoma; a fourteen-year experience
M. Bagheri, K. Mireskandari, A. Ali, N. Najm-Tehrani (Canada)

08.45 Goniotomy with trabecular meshwork excision versus trabecular bypass device implantation in glaucoma patients undergoing cataract extraction: 12-month results

08.51 Xen-45 implant as treatment for uveitic hypertensive crises
A. Qureshi, L. Au, N. Jones (United Kingdom)

08.57 Efficacy and safety of ab-interno Xen gel stent following failed trabeculectomy
K. Martin, A. Karimi, M. Hopes, D. Lindfield (United Kingdom)

09.03 Prospective evaluation of XEN gel implant in eyes with pseudoexfoliative glaucoma
K. Mansouri, J. Guidotti, A. Mermoud (Switzerland)

09.09 The long-term outcomes of endocyclophotocoagulation (ECP) in moderate and advanced glaucoma
A. Mohite, S. Lee, S. Murthy, S. Ramanathan, P. Corridan (United Kingdom)

09.15 Discussion
### SATURDAY, SEPTEMBER 8, 2018
THE WHY AND WHEN: CLINICAL APPLICATIONS DAY

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<tr>
<td>08.30</td>
<td>WETLAB</td>
<td>Wetlab Room</td>
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<td>10.30</td>
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<tr>
<td>09.30</td>
<td>WHY AND WHEN TWO - free papers 6</td>
<td>Main Room</td>
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<tr>
<td>10.30</td>
<td>Chairs: Franz Grehn (Germany), Hady Saheb (Canada),</td>
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<td>Antonio Maria Fea (Italy), Gokulan Ratnarajan (United Kingdom)</td>
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<td>09.30</td>
<td>The SPECTRUM Registry: 12 and 24 month results from a global real world</td>
<td>FP6.1</td>
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<td>study of 2400 glaucoma eyes treated with micro invasive glaucoma surgery using the Hydrus®</td>
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<td>Microstent</td>
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<td>A. M. Fea, L. Dallorto, C. Lavia (Italy)</td>
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<td>09.36</td>
<td>Standalone MIGS: 3 year data from the Sydney Multicentre Hydrus study</td>
<td>FP6.2</td>
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<td>A. Agar, C. Clement, A. White, R. Lim (Australia)</td>
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<td>09.42</td>
<td>Prospective randomized controlled pivotal study of second-generation</td>
<td>FP6.3</td>
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<td>trabecular micro-bypass stents implanted in conjunction with cataract surgery</td>
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<td>D. Lubeck (USA)</td>
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<td>09.48</td>
<td>Multi-center, multi-surgeon, real-world experience with second-generation</td>
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<td>trabecular micro-bypass stents in patients with glaucoma</td>
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<td>C. Clement, D. Manning, F. Howes, M. Shiu (Australia)</td>
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<td>09.54</td>
<td>5-year outcomes of a prospective study of two trabecular micro-bypass</td>
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<td>stents compared to prostaglandin in newly diagnosed open-angle glaucoma</td>
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<td>A. Khouri (USA)</td>
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<td>10.00</td>
<td>MIGS with 2nd generation trabecular micro-bypass stents in OAG eyes on one preoperative</td>
<td>FP6.6</td>
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<td>medication: 42-month outcomes</td>
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<td>S. Gagné (Canada)</td>
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<td>10.06</td>
<td>A UK cost analysis of trabecular micro-bypass stents in patients with primary open-angle</td>
<td>FP6.7</td>
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<td>glaucoma from an NHS commission perspective</td>
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<tr>
<td></td>
<td>K. Barton¹, T. Jones¹, H. Falvey², M. Cantu¹, L. Au¹ (¹United Kingdom, ²USA)</td>
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<td>10.12</td>
<td>FP8 Ahmed valves in patients older than 85</td>
<td>FP6.8</td>
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<td>P. Crichton, A. Crichton, E. Sanders (Canada)</td>
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<td>10.18</td>
<td>Discussion</td>
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</table>
SATURDAY, SEPTEMBER 8, 2018
THE WHY AND WHEN: CLINICAL APPLICATIONS DAY

10.30  Morning tea with posters and videos  Exhibition Area

11.00  DOUG JOHNSON LECTURE  Main Room
11.30  Introduction: Michael Coote (Australia)
L3    Iqbal Ike Ahmed (Canada) - “The Journey Matters”

11.30  THE BEATEN EYE. TRAUMA  Main Room
12.30  Chair: Andrew Crichton (Canada)
       Panelists: Karim Damji (Canada), Michael Dorey (Canada),
                   Ziad Khoueir (Lebanon), Albert Khouri (USA), Mark Lesk (Canada)

12.30  EDUCATIONAL PARTNER LUNCH SYMPOSIUM  Main Room
14.00  (see page 44)

14.00  INFLAMMATORY PLUMBING -  Main Room
14.45  GLAUCOMA SURGERY IN UVEITIS
       Chairs: Keith Barton (United Kingdom), Karin Oliver (Canada)

14.00  MIGS and uveitis - Can we make them work?
       MS6.1  Keith Barton (United Kingdom)

14.10  Uveitis is not all the same - Do we have any rules of the road?
       MS6.2  Karin Oliver (Canada)

14.20  GDDs and uveitis - The old warhorse!
       MS6.3  Leon Herndon (USA)

14.30  Filtration surgery and uveitis - What are the tricks and tips for maximising
       the chance of success?
       MS6.4  Hady Saheb (Canada)

14.40  Discussion
SATURDAY, SEPTEMBER 8, 2018

THE WHY AND WHEN: CLINICAL APPLICATIONS DAY

14.45  WINDOWS AND WATER -  Main Room
15.30  GLAUCOMA SURGERY AND CATARACT
       Chairs: Michael Coote (Australia), Paul Harasymowycz (Canada), Wisam Ahmad Shihadeh (Jordan)

14.45  What are the options? Are MIGS worth their cost?
       MS7.1  Sylvia Groth (USA)

14.54  Cataract and tubes, trabs and other filters. How to keep the flow
       MS7.2  Paul Harasymowycz (Canada)

15.03  Future indications for combined glaucoma surgery - the view of a glaucoma specialist and a cataract surgeon
       MS7.3  Frances Meier-Gibbons (Switzerland)

15.12  Cataract surgery and revision of blebs
       MS7.4  Michael Coote (Australia)

15.21  Discussion

15.30  MANAGING MISSING AQUEOUS -  Main Room
16.00  GLAUCOMA SURGERY AND AQUEOUS MISDIRECTION
       Chairs: Iqbal Ike Ahmed (Canada), Ali Hafez (Canada), Ingeborg Stalmans (Belgium)

15.30  Why is it missed and what works, and what does not.
       MS8.1  Ingeborg Stalmans (Belgium)

15.37  When is it Aqueous Misdirection and when is it Angle Closure?
       MS8.2  Ali Hafez (Canada)

15.44  Methods of managing
       MS8.3  Iqbal Ike Ahmed (Canada)

15.51  Discussion

16.00  Afternoon tea with posters and videos  Exhibition Area
## SATURDAY, SEPTEMBER 8, 2018

### THE WHY AND WHEN: CLINICAL APPLICATIONS DAY

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<td>“SEEING TO THE END” -</td>
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<td>18.00</td>
<td>GLAUCOMA PROBLEM SOLVING (GPS2)</td>
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<td>16.30</td>
<td>The pressure is off. Hypotony</td>
<td>MS9.1</td>
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<td>Chair: Nathan Kerr (Australia)</td>
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<td>Panelists: Sylvia Groth (USA), Garfield Miller (Canada),</td>
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<td>Sharma Reetika (India), Vanita Pathak Ray (India),</td>
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<td>Jing Wang (Canada)</td>
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<td>17.00</td>
<td>How low is low? LTG</td>
<td>MS9.2</td>
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<td>Chair: Toby Chan (Canada)</td>
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<td>Panelists: Toby Chan (Canada), Colin Clement (Australia),</td>
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<td>Mark Sherwood (USA), Lineu Shiroma (Brazil)</td>
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M. Berlin¹, M. Farajzadeh¹, M. Toeteberg², V. Roka³, L. Kleineberg³, R. Stodtmeister³, U. Giers³ (¹USA, ²Switzerland, ³Germany)

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*Not CME accredited.*
EDUCATIONAL PARTNER SYMPOSIA

THURSDAY, SEPTEMBER 6, 2018

13.00  EDUCATIONAL PARTNER LUNCH SYMPOSIUM
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14.30  ALCON SURGICAL
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EP1.1

13.40  Leon Au (United Kingdom)
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FRIDAY, SEPTEMBER 7, 2018

08.00  EDUCATIONAL PARTNER BREAKFAST SYMPOSIUM
Main Room

09.00  ELLEX / DIOPSYS
MANAGING THE GLAUCOMA PATIENT: EARLY DETECTION TO EARLY INTERVENTION
Chair: David Lubeck (USA)

08.00  PERG for better management of patients with glaucoma & SLT
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08.30  Ab-interno canaloplasty (ABiC) in the MIGS treatment armamentarium
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EDUCATIONAL PARTNER SYMPOSIA
FRIDAY, SEPTEMBER 7, 2018

13.00 EDUCATIONAL PARTNER LUNCH SYMPOSIUM
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SURGICAL OPTIONS FOR GLAUCOMA: HOW DO WE DECIDE?
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13.35 The role of surgery in glaucoma management
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13.50 Surgical options for mild-to-moderate glaucoma: a series of interactive case studies
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14.20 Hybrid blebs: comfort and durability
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12.30 EDUCATIONAL PARTNER LUNCH SYMPOSIUM
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Chairs: Keith Barton (United Kingdom), Michael Coote (Australia), Ingeborg Stalmans (Belgium)

13.00 Introduction by Chairs

13.02 Finding the place of XEN
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13.12 Pre-operative optimisations
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CHAIR AND AUTHOR INDEX

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EP = Educational Partner Symposium; FP = Free Paper; KL = Keynote Lecture; L = Lecture; MS = Main Session; P = Poster; PC = Parallel Course; V = Video Loop; WT = Wetlab
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📅 September 7 Friday  ⏰ 13:00–14:30
📍 Plenary room (517c)
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