

14TH INTERNATIONAL CONFERENCE OF THE RESEARCH INSTITUTE OF OPHTHALMOLOGY

Cornea & Oculoplasty

22 - 24 JANUARY 2020



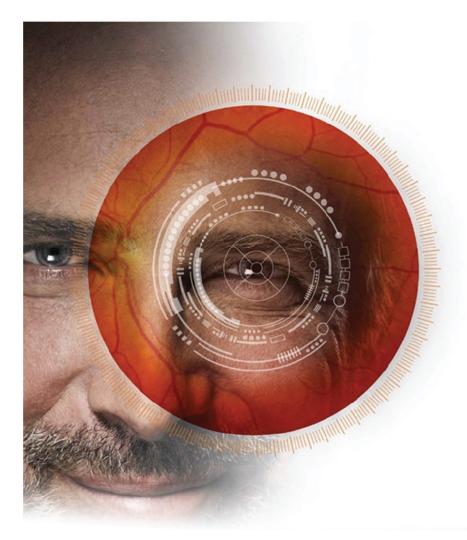
CAIRO HELIOPOLIS



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Scientific PROGRAM





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Welcome

It gives me great pleasure to welcome you to the 14th Annual International Meeting of Research Institute of Ophthalmology (RIO).

I want to extend my heartfelt appreciation to all my colleagues and distinguished guests specially those coming from abroad to share their valuable knowledge with us.

The theme of this conference is "Cornea & Oculoplasty contemporary practice" nevertheless, the conference will address the most recent advances in the field of ophthalmology.

Advances in technology are giving us amazing results almost every day and we are here to share knowledge about the most cutting edge techniques.

It's a great opportunity with all of the talents present to benefit from each others expertise.

Thank you all for your continuous support.



President of the Research Institute of Ophthalmology Professor Sherif Karawya

Welcome

It is our great pleasure to invite you to the 14th Annual International Meeting of Research Institute of Ophthalmology (RIO). This will be held from 22 to 24 January, 2020 at Hilton Heliopolis, Cairo, Egypt.

The theme of our conference this year is "Cornea & Oculoplasty contemporary practice". A highly selective faculty will enrich the scientific program by addressing several controversial and challenging subjects and situations. This will be through lectures, symposia, panel discussions, video presentations and interactive sessions. All this is in addition to instructive courses and wet labs. An exhibition area will present the most updated surgical and pharmaceutical equipment in the field.

Fantastic tours will be offered to visit the charming old and modern places of our inviting and warm city Cairo. Wish you a very nice and memorable stay with friends in Egypt exchanging ideas and opinions both on scientific and social levels.



Conference President
Professor Ahmed Atef Zaki



Conference Secretary General
Professor Hisham Ali Hashem



President of the Research institute of Ophthalmology

Professor Sherif Karawya

Conference President

Professor Ahmed Atef Zaki

Conference Secretary General

Professor Hisham Ali Hashem

Organizing Committee:

Doctor Marc Ananian

Doctor Karim Elsawah

Doctor Atef Abd Latif

Doctor Mahmoud Bahnasy

Doctor Ahmed Saeed

Doctor Mohamed Azab

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MEMBERS:

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Doctor Shady Soliman

Doctor Hesham Fouad

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Bradford Lee USA



Mario Nubile Italy



Christoph Hintschich Germany



Michael Schittkowski Germany



Dalia Said UK



Mohamed Elalfy



Farhad Hafezi Switzerland



Ramon Medel Spain



Harminder Dua UK



 $\begin{array}{c} \textbf{Samer Hamada} \\ \textbf{UK} \end{array}$

GUEST SPEAKERS:

EUROPEAN ADVANCED MEDICINE HOSPITAL SL & EURO ADVANCED TECHNOLOGIES

ALPHABETICALLY ORDERED











Spain



Suprit Bansod India



Jacques Zghinou France



Touray Kebba Gambia



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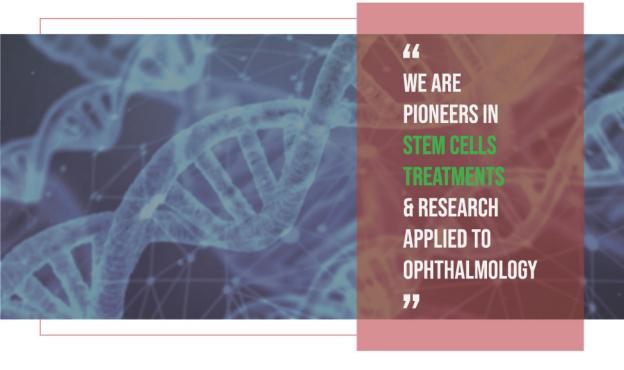












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Retinal & choroidal Retinal Diabetes Modulation of neovascularization Ischemia Retinopathy inflammatoion

Improve inmune Reduced Cell Neurogenesis Replacement





R.A.I.D.D

Retina A.I Disease Diagnosis

An artificial intelligence solution applied to Retina OCT Imaging allowing auto-detection of all the anomalies present in the Retina OCT scan, providing doctors with the related complete disease diagnosis.

Enabling early diagnosis & prevention of Retinal diseases, with a mission to eradicate blindness caused by Retinal diseases (diagnosable through OCT).

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Enabling specialized artificial tissue manufacturers, to print retina layers using 3d tissue printing technology.

Lowering human error & misdiagnosis of pathological biomarkers & anomalies in OCT scroll scans.

R.E.S.D.D

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Democratizing access to OCT scans in remote areas & promoting healthcare at a larger scale.

Allowing doctors to receive & treat more patients, by automating & assisting them in OCT Diagnosis through A.I.

Info@ophtalma.com



Congress halls will be equipped with:

Two laptops: one Apple Mac & one PC with Microsoft Windows 8 and Microsoft Office 2013.

Internet access will NOT be available inside the meeting rooms.

To ensure that the meeting progresses smoothly, please stick to the following instructions:

- All presentations should be recorded on a USB flash memory (preferred).
- Please save presentations in PowerPoint 2007 or later format for PC & Keynote for Apple.
- Upload your presentation early to the Audiovisual Center (RM Events) as we will load the presentations to the hard drive of our systems before the sessions by one hour.
- No personal laptops are permitted for presentations.
- In case you have problems with your presentation(s), please do not hesitate to contact the IT support team (RM Events).





Computerized Count-Down

TIMER

will monitor speakers' time So make sure to present during the given time, as NO EXTRA TIME IS ALLOWED

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COURSES 10

Tay 1

Wednesday 22 January, 2020

10:00 - 12:00

Course 1: Common Corneal Procedures

Cornea Course

Hall C

Speakers:

Dalia Said, Harminder Dua

Topics:

- Aminiotic membrane and conjunctival graft when to do and what to do
- Cornral suturing
- Fine needle diathermy for corneal vessels
- Corneal gluing
- Corneal biopsy
- Alcohol delamination
- Anterior stromal puncture

12:00 - 12:30 Coffee Break

Tay 1

12:30 - 14:30

Course 2: Dry Eye: New Trends

Cornea Course

Hall C

Speakers:

Mohamed Elalfy, Samer Hamada

Topics:

- Ocular surface homeostasis and roles of corneal nerves
- Ocular surface microenvironment
- TFOS DEWS II Report
- Modern diagnostics and practical steps to diagnose dry eye disease (DED)
- MGD diagnosis, grading, and management
- Take home and office-based therapies of dry eyes
- Refractive surgery in presence of dry eye disease: options an opportunities
- When DED is a systemic disease
- What is new and innovative in DED management
- Patients compliance and psychological aspects of dry eye disease
- Case-based discussion and bring your case

14:30 - 15:00 **Coffee Break**

Wednesday 22 January, 2020



15:00 - 17:00

Course 3: Management of Corneal Ulcers

Cornea Course

Hall C

Speakers:

Dalia Said, Harminder Dua, Shady Soliman

Topics:

- Examination and assessment
- Peripheral ulcerative keratitis
- OCT in Corneal perforations.
- Medical management of corneal ulcers
- CXL for infective keratitis
- Surgical management of non-healing corneal ulcers



SCIENTIFIC Sessions

Day 2

08:30 **Registration**

09:00 - 10:00

Symposium 1: Eyelid 1

Moderators: Christoph Hintschich, Hisham Ali Hashem, Zafer Ismail	
09:00	Cicatricial ectropion & entropion Bradford Lee
09:08	Radiofrequency versus traditional upper lid blepharoplasty Omar Abd Elghany
09:16	Augmented upper lid blepharoplasty Rania Abdel Salam
09:24	Autoimmune causes of abnormal lid position Eiman Abdel Latif
09:32	How to avoid & manage complications in lower blepharoplasty Bradford Lee
09:40	Eyelid reconstruction after histologically controlled tumour excision: principles & pearls Christoph Hintschich
09:55	Discussion

Thursday 23 January, 2020



10:00 - 11:00

Symposium 2: Corneal Ectasia Updates

-	Chairpersons: Farhad Hafezi, Hany Elsaftawy, Mahmoud Afifi, Mostafa Salah	
10:00	Corneal imaging updates in KC Nihal Adel	
10:08	Why trans PRK is better than LASIK and SMILE Farhad Hafezi	
10:16	Post laser vision correction ectasia Tarek Elnaggar	
10:24	Sub 400: CXL treatment for thin corneas Farhad Hafezi	
10:32	Corneal haze and scarring post CXL Dalia Said	
10:40	Femto second laser stromal lenticule addition keratoplasty for KC Mario Nubile	
10:48	Phakic IOLs for visual rehabilitation in KC Mohamed Elalfy	
10:56	Discussion	

Vay 2

11:00 - 11:20 Opening Ceremony

11:20 - 12:00

Artificial Intelligence in Ophthalmology (In collaboration and sponsored by Euro Advanced Technologies)

20 July 20 Jul	Moderators: Jacques Zghinou, Piyush Smart, Suprit Bansod	
11:20	Al and health ecosystems Jacques Zghinou	
11:30	The impact of AI in ophthalmology Jacques Zghinou	
11:40	Telemedicine as a solution to cover every corner of the country Piyush Smart	
11:50	Healthcare perspectives with advancements in computer vision Suprit Bansod	

Thursday 23 January, 2020



11:30 - 13:00

Wet Lab: Photo Activation of Chromophore for Infective Keratitis (PACK-CXL)

Hall B

Instructor: Farhad Hafezi

11:30 Lecture on the Technique

11:45 Demonstration on animal eyes

12:15 Practice by participants under supervision

12:30 Discussion

12:00 - 12:30

RIO Memorial Lecture

Main Hall

12:00 Pediatric Keratoplasty
Samer Hamada

Day 2

12:30 - 13:00 **Coffee Break**

13:00 - 14:00

Symposium 3: Orbit 1

Moderators: Ashraf El Dousoky, Christoph Hintschich, Khaled Abo Sedira	
13:00	Basic concepts in orbital decompression Ramon Medel
13:08	Lateral wall orbital decompression including orbital rim for exophthalmos reduction in Graves disease Michael Schittkowski
13:16	Management of orbital cavernous haemangioma Tarek Saleh
13:24	A rare presentation of neurofibromatosis Rania El Essawy
13:32	Evisceration with preservation of the cornea Bassem Morshed
13:40	Orbital decompression: does the approach matters? Christoph Hintschich
13:55	Discussion



13:30 - 15:10

Financial and Managerial Panel (In collaboration and sponsored by Euro Advanced Technologies)

Hall B

Panelists: Khalid Samir, Rasha Fahmi, Touray Kebba 13:30 Potential solution to financial challenges and opportunities facing developing countries in the field of ophthalmology Touray Kebba 14:00 Chase your passion Khalid Samir 14:30 Healthcare financing reforming Rasha Fahmi 15:00 Health system transformation under universal health insurance Mohamed Ghallab

Day 2

14:00 - 15:30

Symposium 4: Keratoplasty

Chairpersons: Abdelaziz Emam, Ahmed Atef, Harminder Dua, Mahmoud Ismail	
14:00	DALK: Tips and tricks through clips Harminder Dua
14:12	Triple DALK Ahmed Atef
14:20	Bowman's layer transplant Mohamed Elalfy
14:28	Automated SALK Shady Soliman
14:36	Femtosecond SALK Mahmoud Ismail
14:44	Single pass ultrathin DSAEK Mark Ananian
14:52	Unidirectional scrolling of endothelial keratoplasty tissue: The science behind the surgery <i>Harminder Dua</i>
15:00	My 10 DMEK tips Tarek Katamish
15:08	DMEK: Unfoldingwhen it gets tough Ahmed Shaarawy
15:16	DMEK or not DMEK Samer Hamada
15:24	Discussion

Thursday 23 January, 2020



15:30 - 16:30

Symposium 5: Orbit 2

	Moderators: Hesham Aly Ibrahim, Hosny Hassan, Michael Schittkowski	
15:30	Management of contracted socket Christoph Hintschich	
15:38	Anophthalmic socket syndrome Bradford Lee	
15:46	Dermis fat grafting in pediatric population Michael Schittkowski	
15:54	Vascular lesions in the orbit, eyelid and conjunctiva Hatem A Tawfik	
16:02	Anophthalmic socket expansion with soft silicone Hesham Fouad Kamel	
16:10	20 yrs experience w Hydrogel expanders in congenital anophthalmos Michael Schittkowski	
16:25	Discussion	

Day 2

Thursday 23 January, 2020

16:30 - 17:30

Symposium 6 (Video Session): Keratoplasty Techniques Complications and Innovations

Main Hall

Chairpersons: Khaled Hamdy, Mansour Hassan, Mario Nubile, Mohamed Salah Zatar	
16:30	Hot grafts for infective keratitis Yehia Salah
16:36	Multilayer aminiotic membrane for corneal perforation under local anesthesia Mario Nubile
16:42	PDEK Surgery Harminder Dua
16:48	Lost DSEK Dalia Said
16:54	Temporary K pro for PPV Mohamed Elalfy
17:00	Phaco emulsification through the tough Dua's layer during BB DALK: A thrilling experience. <i>Tarek Katamish</i>
17:06	DSAEK with IOL exchange Sameh El Agha
17:12	Femtosecond laser assisted Keratoplasty Mario Nubile
17:18	Type 2 big bubble: A friend or foe Mohamed Bahgat
17:24	Challenging Cornea Cases Samer Hamada

17:30 - 18:30 Lunch



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Glaucoma Treatment



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Day 3

10:00 - 11:00

Symposium 7: Stem Cells

Chairpersons: Fayeq Ghaleb, Mohamed Samy, Nabil Ragaei, Sherif Hosny	
10:00	Stem cells in ophthalmology. Indications & recent developments Maria del Mar Luque
10:10	Stem cells & regenerative medicine in ophthalmology Jacques Zghinou
10:20	The different technologies and protocols in stem cells from laboratory to implantation Ernesto Delgado
10:30	Stem cells for corneal diseases. Limbal epithelial stem cells vs mesenchymal adult ones Nabil Ragaei
10:40	Ex vivo expanded corneal limbal stem cells in management of corneal burns Sherif Hosny
10:50	Ex vivo expansion of limbal stem cells (RIO experience) Fayeq Ghaleb



11:00 - 12:00

Symposium 8: Orbit 3

Main Hall

Moderators: Abdalla El Husseiny, Bradford Lee, Michael Schittkowski	
11:00	Late reconstruction of orbital trauma Ramon Medel
11:08	Orbital fractures management Ramon Medel
11:16	Complications of orbital fracture repair and how to manage them Bradford Lee
11:24	Bridging the gap between orbitopathy improvement and oculomotor system (Launching of Thyroid Eye Disease clinic) Sameh Galal, Hesham Fouad Kamel
11:32	Thyroid eye disease: approach to management Christoph Hintschich
11:40	Updates in medical & surgical management of thyroid eye disease Bradford Lee
11:55	Discussion

12:00 - 13:00 Coffee Break & Gomaa Prayer

Day 3

13:00 - 14:30

Symposium 9: Ocular Surface and Medical Cornea

Chairpersons: Amr Rashad, Mohamed Baligh, Mohamed Saad, Samer Hamada		
13:00	In vivo confocal microscopy in infective keratitis Mario Nubile	
13:12	OCT to diagnose ocular surface lesions Fouad Elsayyad	
13:20	VKC new treatment modalities Samer Hamada	
13:28	Acute Management of chemical burn Dalia Said	
13:36	Diabetes and ocular surface Mario Nubile	
13:44	Blepharo kertoconjunctivitis Mohamed Elalfy	
13:52	Outcomes of cell expansion for Limbal stem cells transplantation: COMET vs EXVSCALT <i>Karim Elsawah</i>	
14:00	How to treat stem cells deficiency in the absence of tissue and cell bank Samer Hamada	
14:08	Use of OmniLenz for treating persistent corneal epithelial defects Mohamed Elalfy	
14:16	ACER (Amnion assisted conjunctival epithelial redirection) in limbal stem cell transplantation Harminder Dua	
14:24	Discussion	



13:30 - 15:00

Anesthesia & ICU in Ophthalmology Panel (In collaboration and sponsored by European Advanced medicine hospital SL)

Hall B

Panelists: Ernesto Delgado, Maria del Mar Luque	
13:30	Chronic pain management in ophthalmology Ernesto Delgado
14:00	ICU management and solutions for critical post-surgical ophthalmology procedures Maria del Mar Luque
14:30	Counteracting the consequences of phantom eye syndrome following eye removal Abeer Samir

Oay 3

14:30 - 16:00

Symposium 10: Eyelid 2

Moderators: Hisham Ali Hashem, Ramon Medel, Tamer Gawdat	
14:30	Surgical TTT of brow ptosis Ramon Medel
14:38	Lower lid elevation w tarsal spacer for lower eyelid retraction in Graves disease Michael Schittkowski
14:46	Aesthetic and reconstructive fat transfer to the orbit and periocular region Bradford Lee
14:54	Fat transpositioning of the lower eyelid Ramon Medel
15:02	Customized lower blepharoplaty: fat reduction, redraping and augmentation Bradford Lee
15:10	Eyelid reconstruction in malposition Tamer Gawdat
15:18	Corneal neurotization Bradford Lee
15:26	Transconjunctival frontalis suspension using non-absorbable suture Hesham Fouad Kamel
15:34	Severe congenital ptosis management Ramon Medel
15:49	Discussion



16:00 - 17:00

Symposium 11 (Panel Discussion): Keratoplasty with other

Ocular Co Morbidity

Main Hall

Moderator:

Dalia Said

Panelists:

Ahmed Atef, Harminder Dua, Mario Nubile, Mohamed Elalfy, Samer Hamada

17:00 - 18:00 **Lunch**





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Ophthalmic Surgical Microscope Proveo 8







Heidelberg spectralis oct





SURGICAL CHAIRS & TABLES FOR PROFESSIONALS

500 XLE



Anti-infectives







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Post-operative steroid

Combinations













Dry eye medication

Anti-glaucoma



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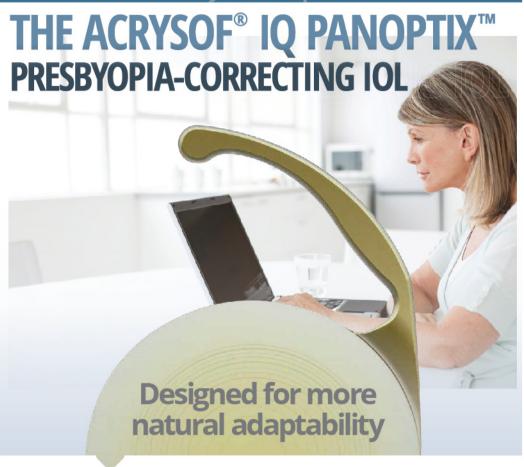


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Alcon Laboratory Notebook:14073:77.

Auton Laboratory Molesbook 1407 S.77.
 2PanOptic™ Diffractive Optical Design. Alcon Internal technical report: TDOC-0018723. Effective date 19 Dec 2014.

3Chames N. Dijbita K, jakinentoki T, et al. Monitor relanig distance for younger and older workers. Proceedings of the Human Factors and Engonomics Society Stand Annual Meeding. 2008. http://www.acudemia.edu/477465 Monitor_Weeking_Distance_for_Younger_and_Clides_Workers. Accessed on April 4, 2015.

Alwange of American OSHA, Canadam OSH4 and American Optometic Association Recommendations for Computer Monitor Distances.

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