



# SICSSO CONGRESS

The International Society of Cornea,  
Stem Cells and Ocular Surface



29\_30 JUNE  
01 JULY  
2023

CATANIA - Italy



FINAL  
PROGRAM

[www.sicssso.org/2023/](http://www.sicssso.org/2023/)

Hotel **Santa Tecla Palace**  
Via Balestrate, 100  
Acireale (Catania)



# CONGRESS VENUE

Santa Tecla Palace Hotel  
Via Balestrate 100  
95024 Acireale Catania, Sicily





**CORNEA TRANSPLANT FOUNDATION**

**President**

**Edward J. Holland**

*Director of Cornea Services  
at Cincinnati Eye Institute*



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*Chief at  
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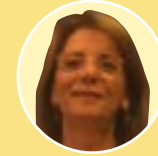


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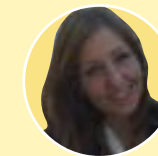


Alessandro Mularoni

**SCIENTIFIC SECRETARIAT**



Caterina Sarnicola



Enrica Sarnicola

## S.I.C.S.S.O. AWARD FOR OPHTHALMOLOGIST UNDER 40

S.I.C.S.S.O. will assign 4 awards to young ophthalmologists under 40 years old:

- 1) BEST ORAL PRESENTATION
- 2) BEST POSTER
- 3) MOST ORIGINAL ORAL PRESENTATION
- 4) MOST ORIGINAL POSTER

### BEST ORAL PRESENTATION:

The winner will be awarded with a prize of **1.000,00 €**.

### BEST POSTER:

The winner will be awarded with a prize of **500,00 €**.

### MOST ORIGINAL ORAL PRESENTATION:

The winner will be awarded with a copy of the book **“Keratoconus”**, Elsevier.

### MOST ORIGINAL POSTER:

The winner will be awarded with a copy of the book **“Keratoconus”**, Elsevier.

### RULES AND CONDITIONS:

The awards will be assigned by an International Committee. Exposure in ENGLISH language is required. **Candidates for the awards must be registered at the congress. Candidates for Best Oral Presentation and for Most Original Oral Presentation have to be the presenters. It is not necessary to be the first author.** The presence of the candidate for the Awards is requested during the announcement of the winner, Saturday July 1<sup>st</sup> at 13.30 in the Main Room. **The absence at the time of the award ceremony will be considered as a waiver of the prize.** The acceptance of speaking at the S.I.C.S.S.O. Congress automatically releases the authorization to share the presentations and/or any teaching material. The collected material will be disclosed on the website of S.I.C.S.S.O. to share scientific knowledge.

**All the awards are reserved only to young ophthalmologists under 40 years old.**



## GENERAL INFORMATIONS

### Organizing Secretariat & Official Housing Bureau Team Srl

Via Massimo D'Azeglio 23 – 58100 Grosseto. Italy

Ph: +39 320 8785274

E-mail: [info@sicso.org](mailto:info@sicso.org)

Website: [www.sicso.org/2023](http://www.sicso.org/2023)

### S.I.C.S.S.O. CORNEA TRANSPLANT FOUNDATION

Ph: +39 3317073818

E-mail: [foundation@sicso.org](mailto:foundation@sicso.org) (industries)

### Opening times

Thursday, June 30th 09.00 - 19.00

Friday, July 1st 07.30 - 19.00

Saturday, July 2nd 07.30 - 14.00

### Congress venue

#### Hotel Santa Tecla Palace

Via Balestrate 100

Acireale (Catania)

### How to reach the congress venue

Catania can be reached by plane. Its airport is the 4th largest one in Italy with multiple international connections.

The Congress Venue, **Santa Tecla Palace Hotel**, is located in **Acireale (Catania)**, just 45 min away from the airport.

The address is: **Via Balestrate, 100, 95024 Acireale CT**

<https://goo.gl/maps/bVHKGLboakHnbznQ8>

### Badge

All participants **must show their personal badge** to have access to the **Congress area**, to the scientific sessions, to the **wet lab sessions** and to **all the other activities** organized by S.I.C.S.S.O.. The QR code on the badge

will be necessary to log in in the APP of the meeting. The loss of the badge and the subsequent printing of a new badge will entail the cost of € 50,00. S.I.C.S.S.O. is committed to the health and well-being of our meeting speakers, attendees, exhibitors, staff and meeting contractors.

### Certificate of attendance

The certificate of attendance will be sent by email at the end of the meeting. The secretary staff will be happy to provide assistance. Please make sure to provide the secretariat with a correct email address

### Insurance

Delegates are advised to take out travel insurance to cover medical expenses, accidents, loss etc, during the meeting. Organizers will not accept any liability for damage or the loss of any Participant's property in any circumstances.

### Photos

Participants are informed that an official congress photographer will take pictures during the congress and the social events. Those images will be used only for purposes linked to the event promotion.

### Official languages

The official languages of the congress are English and Italian.

Simultaneous translation English-Italian will be available in the main room, where all lectures will be in English language.

Courses and innovations session will be either in English language only or in Italian language only.

### Speaker ready room

All presentations are centralized. Speakers are invited to upload their presentation at the slide center no later than **2 hours before "show time"**.

**All presenters that participate to S.I.C.S.S.O meeting agree and consent to record and share presentations and/or presentation materials on the S.I.C.S.S.O meeting website, in order to promote the spread of the scientific knowledge.**

## Registration fees

**Registration for Nurse and Orthoptist:** € 50,00 + VAT

**Resident Registration:** € 300,00 + VAT

**Ophthalmologist Registration:** € 500,00 + VAT

\*Prices are VAT excluded (22%)

*Due to the Italian Law (L.208/2015) it is forbidden to transfer cash between different subjects for an amount exceeding € 2.000,00. Therefore please kindly note that on site payments will only be accepted by credit cards.*



**Convention Centre**  
Hotel Santa Tecla Palace  
Via Balestrate, 100  
Acireale (Catania)











# PROGRAM AT A GLANCE

 **Main Room: official language English.**  
Simultaneous translation English-Italian available
















 Courses and Innovations Sessions will be in either  
English language only or Italian language only

**Poster presentation** is scheduled on **Thursday 29<sup>th</sup>** from **17:00 to 17:30**  
in the **POSTER AREA**

## THURSDAY 29<sup>th</sup>








	MAIN ROOM & LIVE SURGERY	ROOM 1	ROOM 2		ROOM 3	ROOM 4	ROOM 5 - WET LAB ROOM	ROOM 6
10:00-11:30		 <b>YOUNG OPTHALMOLOGISTS CONTEST</b>	 <b>INNOVATIONS 1</b> Dry Eye & Keratoplasty					
11:30-13:00			 <b>INNOVATIONS 2</b> EK & Endothelium					
13:00-14:00	BREAK	BREAK	BREAK		BREAK	BREAK	BREAK	BREAK
14:00-14.55		 <b>NOVITÀ PER IL CHERATOCONO</b> Director: A. M. ROSZKOWSKA	 <b>TAKE DMEK TO THE NEXT LEVEL</b> Director: A. BARDAN		 <b>THE ART OF PUPILLOPLASTY</b> Director: H. YASSIN	 <b>INTERNATIONAL DRY EYE ACADEMY</b> Directors: L. MARINO C. ORIONE	<b>WET LAB 1</b> <b>DALK</b> V. MAURINO, A. CHEUNG, S. MIAN	 <b>INNOVATIONS 3</b> Miscellaneous
15:00-17:00	 <b>KERATOCONUS &amp; LIVE SURGERY</b>							
17:00-17:30	BREAK	BREAK	BREAK		BREAK	BREAK	BREAK	BREAK
17:30-19:00	 <b>KERATITIS &amp; LIVE SURGERY</b>						<b>WET LAB 2 PRELOADED DMEK</b> G. ALESSIO S. DENG V. ROMANO	

FRIDAY 30<sup>th</sup>

	MAIN ROOM & LIVE SURGERY	ROOM 1	ROOM 2		ROOM 3	ROOM 4	WET LAB ROOM	ROOM 6
08:30-09:45		 <b>GLI EMODERIVATI NEL TRATTAMENTO DELLA SUPERFICIE OCULARE</b> Director: C. GAGLIANO	 <b>DALK: SCIENCE TO ACHIEVE A SUCCESSFUL SURGERY</b> Director: H. S. DUA		 <b>NK &amp; OCULOPLASTY</b> Director: M. MARENCO		<b>WET LAB 3 PRELOADED DMEK</b> D. PONZIN, L. IZQUIERDO, T. KIM	 <b>DMEK CORSO BASE</b> Directors: V. MAURINO, A. ROMANI
09:45-10:00	BREAK	BREAK	BREAK		BREAK	BREAK		BREAK
10:00-11:40	 <b>UPDATE ON THE MANAGEMENT OF AK &amp; LIVE SURGERY</b>						<b>WET LAB 4 DALK</b> R. FOGLA, W. B. LEE, S. SBORDONE	
11:40-12:30	 <b>MEDAL LECTURES</b>							
12:30-13:00	 <b>O.S. INFLAMMATION &amp; PARAINFLAMMATION</b>							
13:00-14:00	 <b>LUNCH COURSE</b> La salute della superficie oculare: un approccio integrato	 <b>LUNCH COURSE</b> Ray-tracing for IOL selection and pseudo-phakic ametropia correction						
14:00-14:30	BREAK	BREAK	BREAK		BREAK	BREAK	BREAK	BREAK
14:30-15:25		 <b>DALK: CORSO BASE</b> Director: L. MENABUONI	 <b>ANTERIOR SEGMENT TOMOGRAPHY</b> Director: M. BELIN		 <b>TEN GOOD REASONS TO IMPLANT A CORNEAL RING</b> Director: A. MULARONI		<b>WET LAB 5 DMEK</b> S. B. HANNUSH, V. MAURINO, L. MOSSA	 <b>INNOVATIONS 4 LSCD, OSST &amp; KPRO</b>
15:30-17:00	 <b>O.S. RECONSTRUCTION &amp; LIVE SURGERY</b>							
17:00-17:15	BREAK	BREAK	BREAK		BREAK	BREAK	BREAK	BREAK
17:15-19:00	 <b>EK &amp; LIVE SURGERY</b>						<b>WET LAB 6 AMNIOTIC MEMBRANE &amp; CORNEAL GLUING</b> H. S. DUA, D. SAID, M. MESSINA	



# SATURDAY 1<sup>st</sup>

	MAIN ROOM & LIVE SURGERY	ROOM 1	ROOM 2		ROOM 3	ROOM 4	WET LAB ROOM	ROOM 6
08:30-09:45		 <b>CHERATITI MICROBICHE</b> Director: E. PEDROTTI	 <b>DALK IN CHALLENGING SITUATIONS</b> Director: A. BARDAN		 <b>AESTHETICS IN PTERYGIUM SURGERY</b> Director: S. JAIN	 <b>CONDIZIONI SISTEMICHE E SUPERFICE OCULARE</b> Director: P. ARAGONA	<b>WET LAB 7 DMEK</b> N. PEREIRA, G. MOLONEY, E. SARNICOLA	 <b>INNOVATIONS 5 KERATOCONUS</b>
09:45-10:00	BREAK	BREAK	BREAK		BREAK	BREAK		BREAK
10:00-13:30	 <b>KEYNOTE LECTURES, LIVE PATIENTS EVALUATIONS &amp; LIVE SURGERY</b>							
13:30-14:00	 <b>AWARD CEREMONY</b>							

# WET LABs



 English language only

## WET LABs COURSES

**DIRECTORS:** *D. Ponzin, A. Ruzza (Mestre, VE)*



### **Thursday 29<sup>th</sup> 14.00-15.30 WET LAB 1 - DALK**

*Director: V. Maurino (UK)*

*Teachers: A. Cheung (USA), S. Mian (USA)*

### **Thursday 29<sup>th</sup> 17.30-19.00 WET LAB 2 - PRELOADED DMEK**

*Director: G. Alessio (Bari)*

*Teachers: S. Deng (USA), J. Aliò del Barrio (Spain)*

### **Friday 30<sup>th</sup> 08.30-10.00 WET LAB 3 - PRELOADED DMEK**

*Director: D. Ponzin (Mestre, VE)*

*Teachers: L. Izquierdo (Peru), T. Kim (USA)*

### **Friday 30<sup>th</sup> 10.00-11.30 WET LAB 4 - DALK**

*Director: R. Fogla (India)*

*Teachers: W. B. Lee (USA), S. Sbordone (Naples)*

### **Friday 30<sup>th</sup> 14.30-16.00 WET LAB 5 - DMEK**

*Director: S. B. Hannush (USA)*

*Teachers: V. Maurino (UK), L. Mosca (Rome)*

### **Friday 30<sup>th</sup> 17.15-18.45 WET LAB 6 - AMNIOTIC MEMBRANE & CORNEAL GLUING**

*Director: H. S. Dua (UK)*

*Teachers: M. Messina (Perugia), D. Said (UK)*

### **Saturday 1<sup>st</sup> 08.30-10.00 WET LAB 7 - DMEK**

*Director: N. Pereira (Brazil)*

*Teachers: G. Moloney (Canada), E. Sarnicola (Grosseto)*

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# SCIENTIFIC PROGRAM

## THURSDAY 29<sup>th</sup>



English language.  
Simultaneous translation English - Italian  
available



English language only



Italian language only



ENGLISH LANGUAGE ONLY

THURSDAY 29<sup>th</sup>

## ROOM 1

### 10.00 - 13.00: BEST PAPER CONTEST for Ophthalmologists Under 40

**AWARDS COMMITTEE:** *W. Lisch (Germany), P. Nucci (Milan),  
E. Passani (Carrara, MS), D. Scorsetti (Argentina), J. Weiss (USA)*

#### 10.00 Introduction

*P. Nucci (Milan)*

#### 10.05 Evaluation of factors influencing vision-related quality of life in keratoconus patients using the keratoconus outcomes research questionnaire (KORQ)

*E. Ferrini, G. Gabriellini, D. Aleo, C. Posarelli, M. Figus (Pisa)*

#### 10.11 Corneal epithelium remodeling after epi-off CXL

*F. Franchina, C. Azzaro, U. Camellin, M. Deiana, L. Candela,  
P. Aragona, A. M. Roszkowska (Messina)*

#### 10.17 Clinical outcomes of custom ablated topo guided treatments with collagen crosslinking in early to moderate keratoconus

*D. Gandluru, S. Devu (India)*

#### 10.23 Detection of graft failure in post-keratoplasty patients using automated deep learning

*A. Barraquer, C. Mendez, A. Ferragut, M. Olivera, G. Santolaria,  
R. Barraquer (Spain)*

#### 10.29 Discussion

**10.41 Meniscus-shaped stromal lenticule addition keratoplasty for corneal regularization and thickening in advanced keratoconus**



*M. Anastasi, E. Pedrotti, E. Bonacci, A. Fasolo, S. Fraccaroli (Verona), R. Vinciguerra, P. Vinciguerra (Milan), G. Marchini (Verona)*

**10.47 One-year clinical outcomes following VTR implantation in keratoconus patients**



*M. Mazzoni, E. B. Marcheggiani, G. Mussoni, K. Mularoni, A. Mularoni (San Marino)*

**10.53 An unwelcome big bubble: management of Descemet membrane detachment following viscoelastic injection for hypotony**



*L. E. Doss, F. R. Doss (USA)*

**10.59 Discussion**

**11.08 Analysis of engineered corneal endothelium transplanted in an in vivo model**



*D. Loya-Garcia, J. Zavala-Arcos (Mexico)*

**11.14 Surgical management of Fuchs' endothelial corneal dystrophy: a treatment algorithm and individual patient meta-analysis of Descemet stripping only (DSO)**



*N. Din, E. Cohen, M. Popovic, M. Mimouni, L. Gouvea, S. Alshaker, S. Ong Tone, C. C. Chan, A. R. Slomovic (Canada)*

**11.20 Yogurt technique for Descemet membrane endothelial keratoplasty graft preparation: early clinical outcomes**



*M. L. Passaro, V. Romano (Brescia)*

**11.26 Deep-learning prediction of DMEK graft detachment from preoperative AS-OCT**



*M. Airdi (Brescia), A. Patefield, Y. Meng, Y. Zheng (UK), F. Semeraro, V. Romano (Brescia)*

**11.32 Posterior stromal ripples increase risk of Descemet's membrane endothelial keratoplasty graft detachment worsening over time**



*G. Coco (Rome), H. J. Levis, A. Borgia, D. Romano, L. Pagano (UK), G. Virgili (Florence), S. B. Kaye (UK), V. Romano (Brescia)*

**11.38 New surgical approach to Pre-Descemet's endothelial keratoplasty (PDEK)**



*T. H. A. Dinh (Vietnam), Y. Y. Kalinnikov, S. Y. Kalinnikova, A. V. Zolotarevskiy (Russia)*

**11.44 Discussion**

**12.03 Salzmann nodular corneal degeneration: therapeutic options**



*C. Azzaro, F. Franchina, R. Spinella, P. Aragona, A. M. Roszkowska (Messina)*

**12.09 Alcohol delamination of corneal epithelium in recurrent granular dystrophy**



*M. Messina (Perugia), V. Avadhanam, D. G. Said, H. S. Dua (UK)*

**12.15 Use of Losartan drops in corneal opacities: rationale and clinical experience**




*E. B. Marcheggiani, K. Mularoni, L. Rania, G. Mussoni, A. Mularoni (San Marino)*

**12.21 Double intrastromal corneal ring segment implantation: a new approach for improved clinical outcomes in keratoconus patients**




*S. P. Coscarelli, L. Torquetti, S. Coscarelli (Brazil)*

**12.27 Discussion**

- 12.39**  **Combined procedure simple conjunctival epithelial transplantation (SCET) and simple limbal epithelial transplantation (SLET) for ocular surface reconstruction due to chemical injury, case report**

*E. Bonacci, E. Pedrotti, C. Pagnacco, R. Kilian, G. Marchini (Verona)*

- 12.45**  **Sutureless amniotic membrane transplantation in inflammatory corneal perforations**

*U. Camellin, A. Meduri, A. Valastro, L. Inferrera, I. Ninotta, G. W. Oliverio, M. Mancini, A. M. Roszkowska, P. Aragona (Messina)*

**12.51 Discussion****ROOM 2**
**10.00 - 11.30: INNOVATIONS 1  
DRY EYE AND KERATOPLASTY**

**PRESIDENT:** *M. Belin (USA)*

**PANEL:** *L. Buzzonetti (Rome), L. Torquetti (Brazil)*

- 10.00 Ocular surface disease: smart-imaging method versus polarized light probe**

*G. Dattino (Rome)*

- 10.07 Dry eye syndrome in children**

*L. Marino, D. Borroni (Milan)*

- 10.14 The efficacy of a netilmicin/dexamethasone gel combination in the treatment of posterior blepharitis in moderate-severe dry eye patients**

*G. W. Oliverio, E. Postorino, P. Aragona (Messina)*

- 10.21 Cross linking in resistant corneal abscess**

*H. Elnashar (Egypt)*

- 10.28 A-Prf membrane to cure a neurotrophic ulcer with hypotension following cyclophotocoagulation for a (POAG) primary open angle glaucoma. A case report**

*H. Aaliouet (Morocco), N. Koerber (Germany)*

- 10.35 Discussion**

- 10.45 Efficacy and safety of a novel ophthalmic solution containing 0,2 % Xanthan Gum and 0.025% desonide sodium phosphate for treatment of dry eye disease**

*C. Rossi, M. Borselli, S. Vaccaro, G. Carnovale Scalzo, V. Scordia, G. Giannaccare (Catanzaro)*

**13.00 - 14.00 BREAK**

- 10.52 Surgical technique of PK/DALK with simultaneous implantation of complete full-ring or incomplete intrastromal ring segments into the graft**  
*Y. Y. Kalinnikov, S. Y. Kalinnikova (Russia), T. H. A. Dinh (Vietnam), L. Rahimova (Russia)*
- 10.59 Deep anterior lamellar keratoplasty with central baring of Descemet's membrane in eyes with type 2 bubble and opacified pre-Descemet's layer**  
*M. B. Goweida, A. S. Bardan, M. A. Dowidar (Egypt)*
- 11.06 Modified pre-descemetic DALK for acute hydrops**  
*M. A. Pulvirenti, M. Zagari (Catania), C. Mazzotta (Siena)*
- 11.13 Using histopathological correlation with microbiological cultures and clinical impressions in post-therapeutic keratoplasty patients to guide treatment and predict recurrences of infections**  
*A. Koul, H. Nagaraja, S. M. Krishna, R. Shetty (India)*
- 11.20 Discussion & Best Paper of Session**

## ROOM 2

**11.30 - 13.00: INNOVATIONS 2  
 EK AND ENDOTHELIUM**

**PRESIDENT:** *D. Ponzin (Mestre, VE)*

**PANEL:** *L. Izquierdo (Peru), G. Moloney (Canada), M. Terry (USA)*

- 11.30 Congenital hereditary endothelial dystrophy with progressive sensorineural deafness – Harboyan syndrome: a case report**  
*C. A. Utine, E. Karatas (Turkey)*
- 11.37 Surgically induced, pharmacologically mediated endothelial corneal proliferation**  
*R. Kirkova (Milan), I. Tanev (Bulgaria)*
- 11.44 Using human induced pluripotent stem cells (hiPSC) to model corneal endothelial cells (CENCs)**  
*S. Dsouza, K. Chakrabarty, G. Kundu, R. Shetty, D. Nayak (India)*
- 11.51 Donor characteristics in graft detachment after posterior lamellar keratoplasty for Fuchs endothelial dystrophy and bullous keratopathy**  
*N. Cardascia, F. Cassano, V. Pastore, G. La Tegola, A. Sborgia, F. Boscia, G. Alessio (Bari)*
- 11.58 Discussion**
- 12.10 Hemi-ultrathin Descemet stripping automated endothelial keratoplasty (hemi-UT-DSAEK) using pediatric donor corneas in Fuchs endothelial corneal dystrophy: a 1-year follow-up experience**  
*P. Leon, L. Francescutti, P. Gentile, A. Bonaldo, F. Birattari, D. Camposampiero, D. Ponzin, A. Franch (Venice)*

- 12.17 Femto-laser assisted DLEK in CHED: preliminary results**  
*R. Sohbi, H. Yassin (Egypt)*
- 12.24 Endothelial keratoplasty combined with Artisan IOL removal, clear lens extraction and scleral sutured IOL, in high myopic eye with phakic refractive iris-claw lens, subluxated natural lens and bullous keratopathy**  
*C. Moraru, O. Moraru (Romania)*
- 12.31 Descemet membrane endothelial keratoplasty with 20 years old donors guided by real time anterior segment optical coherence tomography (OCT)**  
*M. Arino Gutierrez, P. Arriola-Villalobos, J. Gegundez, B. Vidal-Villegas, D. Diaz-Valle (Spain)*
- 12.38 Combined procedures in pseudophakic and refractive phakic lens eyes needing intraocular lens removal/exchange and endothelial keratoplasty - cases presentations**  
*O. Moraru, C. Moraru (Romania)*
- 12.45 Discussion & Best Paper of Session**

**13.00 - 14.00 BREAK**

**ROOM 1**

**14.00 - 14.55: RECENTI PROGRESSI NELLA DIAGNOSTICA E TRATTAMENTO DEL CHERATOCONO CON CROSS-LINKING**

**PRESIDENT:** *A. M. Roszkowska (Messina)*

**PANEL:** *P. Aragona (Messina), L. M. Cavani (Arezzo), A. Longo (Catania)*

- 14.00 Monitoraggio della progressione del cheratocono e dell'efficacia del cross-linking corneale**  
*G. Giannaccare (Catanzaro)*
- 14.10 Stato dell'arte del cross-linking corneale**  
*R. Mencucci (Florence)*
- 14.20 Nuove frontiere del trattamento predittivo e di precisione del cheratocono**  
*S. Serrao (Rome)*
- 14.30 Cross-linking corneale a guida teranostica: risultati preliminari del trial clinico multicentrico ARGO**  
*A. M. Roszkowska (Messina)*
- 14.40 Discussione**

## ROOM 2

### **14.00 - 14.55: TAKING DMEK TO THE NEXT LEVEL**

**DIRECTOR:** *A. Bardan (UK)*

**PANEL:** *M. B. Goweida (Egypt), C. Liu (UK)*

- 14.00 Triple DMEK**  
*A. Bardan (UK)*
- 14.10 DMEK plus other procedures**  
*M. B. Goweida (Egypt)*
- 14.20 DMEK in complex eyes**  
*M. B. Goweida (Egypt)*
- 14.30 Management of intraoperative DMEK complications**  
*C. Liu (UK)*
- 14.40 Discussion**

## ROOM 3

### **14.00 - 14.55: THE ART OF PUPILLOPLASTY AND IRIS RECONSTRUCTION SURGERY: TIPS AND TRICKS**

**DIRECTOR:** *H. Yassin (Egypt)*

**PANEL:** *M. Forlini (Ravenna), S. B. Hannush (USA), R. Sobhi (Egypt)*

- 14.00 Introduction and plan of surgery**  
*R. Sobhi (Egypt)*
- 14.12 Basic suturing techniques and different surgical approaches**  
*H. Yassin (Egypt)*
- 14.24 The artificial iris**  
*S. B. Hannush (USA)*
- 14.36 Discussion**



## ROOM 4

**14.00 - 14.55: INTERNATIONAL DRY EYE  
ACADEMY COURSE**

**DIRECTORS:** *L. Marino (Milan), C. Orione (Nizza Monferrato, AT)*

**PANEL:** *R. Fasciani (Rome), L. Vigo (Milan)*

- 14.00** **Introduzione**  
*R. Fasciani (Rome)*
- 14.10** **Procedure diagnostiche**  
*L. Vigo (Milan)*
- 14.20** **Terapia medica: novità farmacologiche**  
*L. Marino (Milan)*
- 14.30** **Terapia medica: novità tecnologiche**  
*C. Orione (Nizza Monferrato, AT)*
- 14.40** **Discussione**

## ROOM 6

**14.00 - 14.55: INNOVATIONS 3  
MISCELLANEOUS**

**PRESIDENT:** *K. A. Colby (USA)*

**PANEL:** *E. Graue-Hernandez (Mexico), M. Macsai (USA)*

- 14.00** **Intravascular mitomycin for the treatment of cornea neovascularization**  
*L. Torquetti, S. P. Coscarelli, S. Coscarelli (Brazil)*
- 14.07** **Topical alpha 2 beta interferon and conjunctival papilloma: a case report**  
*N. Rosa, M. Graziano, M. De Bernardo, M. Gioia, F. Cione (Salerno)*
- 14.14** **Subclinical ocular surface squamous neoplasia masquerading as pterygium - Significance of HPE study in routinely excised pterygium tissues**  
*D. Modak, H. Nagaraja, S. MK, S. D'Souza, R. Shaetty (India)*
- 14.21** **Novel technique for late scleromalacia in a ciliary body melanoma due to brachytherapy**  
*M. Gessa-Sorroche, M. I. Relimpio-Lopez, A. M. Garrido-Hermosilla (Spain)*
- 14.28** **Studying immune cell trafficking changes on the ocular surface in corneal transplants**  
*S. Dsouza, R. Shetty, G. Kundu, A. Koul, S. Sethu, P. Archana, A. Ghosh (India)*
- 14.35** **Lignous conjunctivitis with plasminogen deficiency treated with topical allogeneic serum drops: a case report**  
*O. Ozkan, C. A. Utine, I. Durak, Z. Ozbek, A. Yaman, T. Berk (Turkey)*
- 14.42** **Discussion**

## MAIN ROOM

### 15.00 - 17.00: KERATOCONUS & LIVE SURGERY

**PRESIDENT:** *A. Mularoni (San Marino)*

**PANEL:** *R. Barraquer (Spain), S. Basak (India), B. Jeng (USA), P. Vinciguerra (Milan)*

### LIVE SURGERY - DALK

- **STREAMING FROM:** *San Marco Hospital (Catania)*

- **SURGEONS:** *R. Fogla (India), L. Mosca (Rome)*

- **MODERATORS FROM OR:** *S. Sbordone (Naples), D. Schiano Lomoriello (Rome)*



- 10' **Stem cell therapy for corneal stroma regeneration**  
*J. Aliò del Barrio (Spain)*
- 10' **Clinical applications of the Belin ABCD progression display**  
*M. Belin (USA)*
- 10' **Corneal collagen crosslinking in children**  
*M. Henriquez (Peru)*
- 10' **Corneal wavefront PRK based on coma axis for keratoconus**  
*L. Izquierdo (Peru)*
- 10' **Management of corneal hydrops**  
*E. Tu (USA)*

## 17.00 - 17.30 BREAK

## MAIN ROOM

### 17.30 - 19.00: KERATITIS & LIVE SURGERY

**PRESIDENT:** *R. Mencucci (Florence)*

**PANEL:** *S. B. Hannush (USA), W. B. Lee (USA), J. Rubenstein (USA), D. Said (UK)*

### LIVE SURGERY - DALK IN ACTIVE INFECTION

- **STREAMING FROM:** *San Marco Hospital (Catania)*

- **SURGEONS:** *V. Sarnicola (Grosseto)*

- **MODERATORS FROM OR:** *S. Sbordone (Naples)*



- 10' **Update on Zoster keratitis**  
*B. Jeng (USA)*
- 10' **HSV in children**  
*K. A. Colby (USA)*
- 10' **Corneal transplantation for infectious keratitis: a prospective Dutch registry study**  
*M. Dickman (The Netherlands)*
- 10' **C-DU (KE) Calculator: a clinical tool for risk stratification in infectious keratitis**  
*E. Graue-Hernandez (Mexico)*
- 10' **Fungal keratitis: management algorithm**  
*N. Sharma (India)*

# SCIENTIFIC PROGRAM

## FRIDAY 30<sup>th</sup>



English language.  
Simultaneous translation English - Italian  
available



English language only



Italian language only

 ITALIAN LANGUAGE ONLY

### ROOM 1

#### **08.30 - 09.45: GLI EMODERIVATI NEL TRATTAMENTO DELLA SUPERFICIE OCULARE**

**DIRECTOR:** *C. Gagliano (Catania)*

**PANEL:** *M. Astori (Alessandria), E. Cantera (Rome), R. Mencucci (Florence)*

**08.30** **Concentrati piastrinici: quando, come e perchè?**  
*E. Aragona (Milan)*

**08.40** **La banca del sangue cordonale: una realtà siciliana**  
*G. Tancredi (Trapani)*

**08.50** **Siero eterologo da cordone ombelicale: indicazioni, risultati, vantaggi e problematiche**  
*L. Scalia (Catania)*

**09.00** **Siero eterologo da donatore adulto: indicazioni, risultati, vantaggi e problematiche**  
*M. Cennamo (Florence)*

**09.10** **Discussione**

**09.45 - 10.00 BREAK**

FRIDAY 30<sup>th</sup>

## ROOM 2

### 08.30 - 09.45: DALK: SCIENCE TO ACHIEVE A SUCCESSFUL SURGERY

**DIRECTOR:** *H. S. Dua (UK)*

**PANEL:** *S. B. Hannush (USA), M. Nubile (Chieti), D. Said (UK)*

- 08.30 Applied anatomy of the posterior cornea**  
*H. S. Dua (UK)*
- 08.40 DALK tips, tricks and trips**  
*D. Said (UK)*
- 08.50 DALK: management of intraoperative complications**  
*S. B. Hannush (USA)*
- 09.00 Enhancing visual outcome after DALK**  
*H. S. Dua (UK)*
- 09.10 Additional lamellar keratoplasty**  
*M. Nubile (Chieti)*
- 09.20 Discussion**

09.45 - 10.00 BREAK

## ROOM 3

### 08.30 - 09.45: NEUROTROPHIC KERATOPATHY & OCULOPLASTY

**DIRECTOR:** *M. Marengo (Rome)*

**PANEL:** *A. Y. Cheung (USA), S. Mian (USA)*

- 08.30 Neurotrophic keratopathy - do not be insensitive! Diagnosis and treatment algorithm**  
*B. Jeng (USA)*
- 08.40 Topical insulin: use and indications**  
*D. H. Scorsetti (Argentina)*
- 08.50 Efficacy of autologous platelet rich plasma (PRP) eye drops in refractory dry eye disease (DED) patients**  
*A. R. Slomovic (Canada)*
- 09.00 Eyelid malposition**  
*W. Lee (USA)*
- 09.10 Corneal neurotization - surgical innovation update**  
*A. Kossler (USA)*
- 09.20 Gene therapy for neurotrophic keratopathy**  
*M. Macsai (USA)*
- 09.30 Discussion**

09.45 - 10.00 BREAK

## ROOM 6

### 08.30 - 09.45: DMEK CORSO BASE

**DIRECTORS:** *V. Maurino (UK), A. Romani (Arezzo)*

**PANEL:** *M. Fioretto (Alessandria),  
R. Protti (Verbania-Domodossola), C. Sarnicola (Arezzo)*

**08.30 DMEK e DSAEK a confronto: indicazione, timing e risultati**  
*F. Aiello (Rome)*

**08.40 Preparazione del donatore e inserimento in camera anteriore: consigli pratici**  
*R. Vinciguerra (Milan)*

**08.50 Apertura del lembo “endo-out”: trucchi da conoscere ed errori da evitare con le tecniche di tapping**  
*V. Maurino (UK)*

**09.00 Apertura del lembo “endo-in”: trucchi da conoscere ed errori da evitare con le tecniche pull-through**  
*E. Pedrotti (Verona)*

**09.10 Gestione postoperatoria: quando fare il rebubbling e come evitare il blocco pupillare**  
*V. Romano (Brescia)*

**09.20 DMEK e cataratta: pro e contro della chirurgia combinata e “s-combinata”**  
*G. Alessio (Bari)*

**09.30 Discussione**

## 09.45 - 10.00 BREAK

## MAIN ROOM

### 10.00 - 11.40: UPDATE ON MEDICAL AND SURGICAL MANAGEMENT OF ACANTHAMOEBA KERATITIS & LIVE SURGERY

**PRESIDENT:** *R. Mencucci (Florence)*

**PANEL:** *S. Deng (USA), B. H. Jeng (USA), N. Szentmary (Germany)*

### LIVE SURGERY - DMEK

- **STREAMING FROM:** *San Marco Hospital (Catania)*

- **SURGEON:** *S. Basak (India)*

- **MODERATORS FROM OR:** *L. Buzzonetti (Rome)*



**5'** **Patient's perspective of AK**  
*J. Villa Sinclair (The Netherlands)*

**10'** **Acanthamoeba keratitis: how to make an early diagnosis**  
*E. Y. Tu (USA)*

**10'** **Medical therapy today**  
*E. J. Holland (USA)*

**10'** **Polihexanide phase 3: a medical treatment mile stone**  
*K. A. Knutsson (Milan)*

**10'** **Therapeutic keratoplasty - when, why, and how?**  
*V. Sarnicola (Grosseto)*

**7'** **Clinical cases**  
*E. Sarnicola (Grosseto)*

**7'** **Clinical cases**  
*M. Dickman (The Netherlands)*

**15'** **Round Table Discussion**

# MEDAL LECTURES

## MAIN ROOM FRIDAY 30<sup>th</sup> 11.40 - 12.30



English language.  
Simultaneous translation English - Italian  
available

### MAIN ROOM

#### 11.40 - 12.30: MEDAL LECTURES 2023

**FACULTY:** *P. Aragona (Messina), T. Avitabile (Catania),  
E. J. Holland (USA), V. Sarnicola (Grosseto)*



**N. AFSHARI (USA)**

**3' PRESENTER:** *K. A. Colby (USA)*

**15' Corneal transplants, flaps, lasers, bubbles: recent advances in cornea  
and refractive surgery**



**A. MULARONI (SAN MARINO)**

**3' PRESENTER:** *P. Aragona (Messina)*

**15' Conservative treatment and visual rehabilitation in keratoconic  
patients: corneal and intraocular surgery**



## N. AFSHARI (USA)

**Corneal transplants, flaps, lasers, bubbles: recent advances in cornea and refractive surgery**



**Natalie Afshari, MD** is Stuart I. Brown MD Chair in Ophthalmology in Memory of Donald P. Shiley, Chief of Cornea and Refractive Surgery, Vice Chair and Professor of Ophthalmology at the Shiley Eye Institute, University of California, San Diego. Prior to this, she was Professor of Ophthalmology and Director of Centers of Excellence at the Duke University Eye Center. She received her medical degree from Stanford University and her residency and fellowship trainings at Harvard University, Massachusetts Eye and Ear Infirmary.

Dr. Afshari is the recipient of the Senior Achievement Award and the Secretariat Award by the American Academy of Ophthalmology and has been named a Gold Fellow of the Association for Research in Vision and Ophthalmology. She has received the inaugural Top Ten Women in Medicine award by Triangle News, Women Who Mean Business award by San Diego Business Journal, and the Teacher of the Year award at the Duke University Eye Center. She has also been recognized in the Best Doctors in America in each listing for the past decade, and was named in the U.S. News & World Report's Top Doctors List. Most recently, she has been recognized by the American Medical Women's Association as the 2019 recipient of its Women in Science award.

Dr. Afshari is the co-editor of a two-volume cornea book titled "Principles and Practice of Cornea". She is on the editorial boards of six journals: Investigative Ophthalmology and Visual Science, American Journal of Ophthalmology, Survey of Ophthalmology, Eye and Contact Lens, Topics in Ocular Antiinfectives, and Journal of Ocular Pharmacology and Therapeutics. She has previously served on the EyeNet editorial board and BCSC Cornea textbook committee. Currently, Dr. Afshari has been on the BCSC Lens and Cataract textbook committee and the chair of the American Society of Cataract and Refractive Surgery FDA Committee. Her NIH research grant is on the study of Fuchs dystrophy, and she investigates the intricacies of endothelial keratoplasty and regeneration of cornea.



## A. MULARONI (SAN MARINO)

**Conservative treatment and visual rehabilitation in keratoconic patients: corneal and intraocular surgery**



**Alessandro Mularoni, MD**, is the Chief of the Ophthalmic Department of San Marino Republic Hospital and the Director of the International Center for the Research and Care of myopia.

After achieving his Medical Degree and completing his residency in Ophthalmology at Bologna University, he became the Director of the Unit of Cataract and Refractive Surgery of the Maggiore Hospital of Bologna, that he guided from 1998 to 2015.

As a member board of AMOA (Association of Medical Ophthalmologists for Africa), dr. Mularoni visited several developing countries in Asia and Africa in order to carry out ophthalmic care and surgery as part of humanitarian aid program.

Over the past 20 years, his primary interest has been focused on the research and development of new therapeutic modalities for keratoconic patients visual rehabilitation, especially in the field of the conservative treatments. Following this path, he developed a long time experience with corneal rings implantation, combined corneal CXL and photorefractive Keratectomy, phakic IOLs and toric phakic IOLs, deep anterior lamellar keratoplasty and use of toric IOLs in keratoconic patients with cataract.

During the current medal lecture a new ICR implantation strategy is going to be presented called 'the pachimetryc strategy'.

Dr. Mularoni's clinical areas of interest are corneal surgery, anterior segment and refractive surgery.

He is author and co-author of several articles published in peer-reviewed journals and chapters book, and the main author of the book 'La topografia altitudinale' Fabiano 2005, the first book published in the world in the field of tomographic evaluation of corneal diseases.

He is the current president of the STUEMO (Italian regional society of ophthalmology) , member of the Board of the Italian association of cataract and refractive surgery (AICCER), International society of cornea and stem cells (SICSSO), vice-President of Italian society of ophthalmic sciences (SISO), fellow of World College of Refractive Surgery & Visual Sciences (WCRS).

## MAIN ROOM

### 12.30 - 13.00: OCULAR SURFACE INFLAMMATION AND PARAINFLAMMATION

**PRESIDENT:** *P. Aragona (Messina)*

**PANEL:** *C. Gagliano (Catania), R. Mencucci (Florence)*

**12.30 I only need a history, slit lamp and some diagnostic stains  
to diagnose dry eye**

*A. R. Slomovic (Canada)*

**12.40 Parainflammation and dry eye**

*K. Boboridis (Greece)*

**12.50 Round table discussion**

FRIDAY 30<sup>th</sup>

# S.I.C.S.S.O.

## Lunch Courses



## MAIN ROOM

### 13.00 - 14.00: LUNCH COURSE

The health of the ocular surface: an integrated approach

- 13.00 Video introduction & moderators presentation**  
*E. Cantera (Rome), P. Aragona (Messina)*
- 13.10 Dry Eye Disease: classification and treatment. What's new?**  
*E. Miserocchi (Milan)*
- 13.20 FIDIA Hyaluronic Acid 1.0: the evolution of the species**  
*R. Beninatto (Abano Terme, PD)*
- 13.30 Antiseptic therapy in ophthalmology: state of the art**  
*A. M. Roszkowska (Messina)*
- 13.40 Antiseptic therapy in ophthalmology: new clinical evidence**  
*V. Romano (Brescia)*
- 13.50 Discussion**

FRIDAY 30<sup>th</sup>

## ROOM 1

### 13.00 - 14.00: LUNCH COURSE

Ray-tracing for IOL selection and pseudo-phakic ametropia correction

- 13.00 Introduction**  
*V. Sarnicola (Grosseto)*
- 13.05 Ray-Tracing algorithm applied to the human eye**  
*G. D'Ippolito (Taranto)*
- 13.15 How to treat pseudo-phakic patient with impaired quality of vision**  
*G. Alessio (Bari)*
- 13.25 IOL selection in irregular corneas**  
*A. Mularoni (San Marino)*
- 13.35 Clinical cases with the IOL selected by Ray-Tracing method**  
*F. Passidomo (Sassari)*
- 13.45 Clinical cases of Ray-Tracing customized ablation for pseudo-phakic eyes**  
*P. Puzo (Bari)*
- 13.55 Discussion**

FRIDAY 30<sup>th</sup>

## 14.00 - 14.30 BREAK

## ROOM 1

### 14.30 - 15.25: DALK STEP by STEP: CORSO BASE

**DIRECTOR:** *L. Menabuoni (Florence)*

**PANEL:** *L. Buzzonetti (Rome), F. Montrone (Bari),  
D. Schiano Lomoriello (Rome)*

**14.30 Quali sono le tecniche più diffuse e come scegliere quella più idonea**

*E. Sarnicola (Grosseto)*

**14.42 Big bubble: tecnica chirurgica passo dopo passo**

*S. Sbordone (Naples)*

**14.54 DALK manuale: tecnica chirurgica passo dopo passo**

*P. Vinciguerra (Milan)*

**15.06 Discussione**

FRIDAY 30<sup>th</sup>

## ROOM 2

### 14.30 - 15.25: COMPREHENSIVE COURSE IN CLINICAL APPLICATIONS OF ANTERIOR SEGMENT TOMOGRAPHY

**DIRECTOR:** *M. Belin (USA)*

#### TOPICS:

- > *Topography vs tomography*
- > *How elevation differs from curvature*
- > *How elevation is displayed - use of different reference surfaces*
- > *Refractive screening - Belin Ambrosio (BAD) display*
- > *Clinical examples of BAD display in refractive surgery*

FRIDAY 30<sup>th</sup>

## ROOM 3

### 14.30 - 15.25: TEN GOOD REASONS TO IMPLANT CORNEAL RING

**DIRECTOR:** *A. Mularoni (San Marino)*

**PANEL:** *R. Barraquer (Spain), R. Fogla (India), L. Torquetti (Brazil)*

**14.30 Introduction**

*A. Mularoni (San Marino)*

**14.33 How to manage cases with differing astigmatism and coma axes**

*R. Barraquer (Spain)*

**14.41 Personal experience with ICR oval section**

*R. Fogla (India)*

**14.49 Pachymetry is the key for success**

*A. Mularoni (San Marino)*

**14.57 Management of challenging cases**

*L. Torquetti (Brazil)*

**15.05 Discussion**

## ROOM 6

### 14.30 - 15.25: INNOVATIONS 4 LIMBAL STEM CELL DEFICIENCY, OCULAR SURFACE TRANSPLANTATION AND KPRO

**DIRECTOR:** *J. Rubenstein (USA)*

**PANEL:** *M. Henriquez (Peru), E. Pedrotti (Verona)*

**14.30 Updates on systemic immunosuppression for ocular surface stem cell transplantation**

*A. Y. Cheung (USA)*

**14.37 Contribution of autologous platelet gel for the treatment of severe corneal ulcers: first 10 case report**

*M. Harouch (Morocco)*

**14.44 Clinical outcomes, short-term survival and complications of Lucia keratoprosthesis**

*E. Graue-Hernandez, C. A. Muller-Morales, K. Arteaga-Rivera, D. Jimenez-Collado, A. Ramirez-Miranda, A. Navas (Mexico)*

**14.51 Long-term results of Boston keratoprosthesis surgery in Polish patients**

*E. Wylegala (Poland)*

**14.58 100+ Boston KPro1: outcomes and complications**

*S. Basak (India)*

**15.05 LECTURE: Updates in PUK management**

*D. Lazzaro (USA)*

**15.15 Discussion & Best Paper of Session**

## MAIN ROOM

### 15.30 - 17.00: OCULAR SURFACE RECONSTRUCTION & LIVE SURGERY

**PRESIDENT:** *E. J. Holland (USA)*

**PANEL:** *A. Y. Cheung (USA), E. Pedrotti (Verona), D. Ponzin (Mestre, VE)*

#### LIVE SURGERY - XEN

- **STREAMING FROM:** *San Marco Hospital (Catania)*
- **SURGEON:** *V. Ramovecchi (San Severino Marche, MC)*
- **MODERATORS FROM OR:** *M. Nardi (Pisa), A. Rapisarda (Catania)*



- 10' **Potential markers that discriminate between healthy and aniridia associated keratopathy (AAK) patient cells**  
*N. Szentmary (Germany)*
- 10' **Minor salivary gland transplantation and mucous membrane grafting for Stevens Johnson syndrome. A how to guide**  
*A. Kossler (USA)*
- 10' **Cultivated oral mucosal epithelial transplantation in limbal stem cell deficiency**  
*M. Elalfy (UK)*
- 10' **Myths about ocular surface transplantation**  
*E. J. Holland (USA)*
- 10' **Update on keratoprosthesis**  
*K. A. Colby (USA)*

## 17.00 - 17.15 BREAK

## MAIN ROOM

### 17.15 - 19.00: EK & LIVE SURGERY

**PRESIDENT:** *V. Sarnicola (Grosseto)*

**PANEL:** *S. Deng (USA), R. Fogla (India), T. Kim (USA), M. Straiko (USA)*

#### LIVE SURGERY - DMEK

- **STREAMING FROM:** *San Marco Hospital (Catania)*
- **SURGEONS:** *G. Moloney (Canada), N. Pereira (Brazil)*
- **MODERATORS FROM OR:** *V. Maurino (UK), V. Romano (Brescia)*



- 10' **Endothelial cell therapy up-to-date**  
*E. J. Holland (USA)*
- 10' **Bioengineered DMEK; the BASEL approach**  
*Z. Gatziofas (Switzerland)*
- 10' **DMEK in challenging cases**  
*M. Terry (USA)*
- 10' **Endothelial keratoplasty in the unicameral eye**  
*S. B. Hannush (USA)*
- 10' **DMEK and HSV endotheliitis: challenges and outcomes**  
*S. Basak (India)*

# SCIENTIFIC PROGRAM

## SATURDAY 1<sup>st</sup>



English language.  
Simultaneous translation English - Italian  
available



English language only



Italian language only



ITALIAN LANGUAGE ONLY

### ROOM 1

#### 08.30 - 09.45: CHERATITI MICROBICHE

**DIRECTOR:** *E. Pedrotti (Verona)*

**PANEL:** *R. Fasciani (Rome), R. Mencucci (Florence),  
L. Mosca (Rome), P. Rosetta (Milan)*

**08.30 Diagnosi differenziale alla lampada a fessura**  
*R. Mencucci, M. Cennamo, C. De Vitto, M. Buzzi (Florence)*

**08.40 La tecnologia ci aiuta: laboratorio, confocale, OCT**  
*E. Pedrotti (Verona)*

**08.50 Update sulla terapia medica**  
*R. Fasciani (Rome)*

**09.00 PACK CXL: indicazioni, timing e risultati**  
*P. Rosetta (Milan)*

**09.10 Quando e quale terapia chirurgica**  
*L. Mosca (Rome)*

**09.20 Discussione**

### 09.45 - 10.00 BREAK

## ROOM 2

### **08.30 - 09.45: DALK IN CHALLENGING SITUATIONS**

**DIRECTOR:** *A. Bardan (UK)*

**PANEL:** *M. B. Goweida (Egypt), M. Nanavaty (UK)*

**08.30 Management of type 2 bubble during DALK**  
*M. B. Goweida (Egypt)*

**08.45 Management of perforations during DALK**  
*M. Nanavaty (UK)*

**09.00 Postoperative outcomes of DALK with perforations**  
*A. Bardan (UK)*

**09.15 Discussion**

**09.45 - 10.00 BREAK**

## ROOM 3

### **08.30 - 09.45: AESTHETICS IN PTERYGIUM SURGERY**

**DIRECTOR:** *S. Jain (India)*

**PANEL:** *R. Fogla (India), A. Montericcio (Trapani),  
C. Sarnicola (Arezzo), M. D. Straiko (USA)*

#### **VIDEO-BASED & PANEL DISCUSSION COURSE ON THE FOLLOWING TOPICS:**

- > *Mastering the technique of pterygium excision*
- > *Graft acquisition and adhesion*
- > *Special situations*
- > *Complications and their management*
- > *Current trends in pterygium surgery worldwide*

**09.45 - 10.00 BREAK**

**ROOM 4****08.30 - 09.45: CONDIZIONI SISTEMICHE E SUPERFICIE OCULARE**

**DIRECTOR:** *P. Aragona (Messina)*

**PANEL:** *C. Gagliano (Catania), A. Roszkowska (Messina)*

**08.30 Genere e superficie oculare**  
*C. Gagliano (Catania)*

**08.40 Patologie autoimmuni e superficie oculare**  
*E. Aragona (Milan)*

**08.50 Disordini allergici e superficie oculare**  
*G. W. Oliverio (Messina)*

**09.00 Patologie neurotrofiche e superficie oculare**  
*M. Marengo (Rome)*

**09.10 Diabete e superficie oculare**  
*A. Roszkowska (Messina)*

**09.20 Discussione**

**09.45 - 10.00 BREAK****ROOM 6****08.30 - 09.45: INNOVATIONS 5 - KERATOCONUS**

**PRESIDENT:** *R. Barraquer (Spain)*

**PANEL:** *M. Dickman (Netherlands), G. Gabbriellini (Pisa), N. Rosa (Salerno)*

**08.30 Five years results of iontophoresis-assisted transepithelial corneal cross-linking for keratoconus**  
*G. W. Oliverio, P. Aragona, A. M. Roszkowska (Messina)*

**08.37 Keratoconus and personality traits: a case-control study**  
*F. Aiello, G. Gallo Afflitto, F. Ceccarelli, F. Garziona, C. Pinci, G. Di Lorenzo, A. Siracusano, C. Nucci (Rome)*

**08.44 Epithelial mapping for keratoconus screening**  
*J. Aliò del Barrio (Spain)*

**08.51 Topography-guided transepithelial photorefractive keratectomy to smooth the corneal surface in a patient previously treated with radial keratotomy**  
*S. Giugno (Caltanissetta)*

**08.58 Discussion**

**09.06 Epithelium on CXL - EpiSmart phase 3 trial**  
*M. Belin (USA)*

**09.13 Assessment of the in-vivo corneal biomechanics effect of intracorneal ring segments in keratoconus: long term results**  
*R. Vinciguerra (Milan), L. Fernández-Vega-Cueto, A. Poo-Lopez, D. Madrid-Costa (Spain)*

**09.20 Donut shaped deep anterior intrastromal corneal keratoplasty as an alternative treatment in keratoconus**  
*S. Coscarelli (Brazil), S. P. Coscarelli, L. Torquetti*

**09.27 Forget the cornea! Clear lens extraction with intraocular pinhole as a new treatment option for keratoconus**  
*B. Trindade, F. C. Trindade, C. C. Trindade (Brazil)*

**09.34 Discussion & Best Paper of Session**

**09.45 - 10.00 BREAK**

SATURDAY 1<sup>st</sup>

ENGLISH LANGUAGE  
ENGLISH / ITALIAN SIMULTANEOUS TRANSLATION

## MAIN ROOM

### 10.00 - 13.30: KEYNOTE LECTURES, LIVE PATIENTS EVALUATION & LIVE SURGERY

**PRESIDENTS:** *V. Maurino (UK), R. Mencucci (Florence)*

**PANEL:** *H. S. Dua (UK), N. Pereira (Brazil), V. Sarnicola (Grosseto), M. Terry (USA)*

**SLIT LAMP EXAMINER:** *E. J. Holland (USA)*

### LIVE SURGERY - DSAEK & DALK

- **STREAMING FROM:** *San Marco Hospital (Catania)*

- **SURGEONS:** *D. Scollo (Catania), V. Scorcica (Catanzaro)*

- **MODERATORS FROM OR:** *An. Balestrazzi (Grosseto), G. Caramello (Cuneo)*



**10'** **Impact of antifungal supplementation on endothelial keratoplasty in the US**

*W. B. Lee (USA)*

**10'** **Complication avoidance and management in DMEK surgery**

*M. D. Straiko (USA)*

**10'** **Impact of vaccination in keratoplasty**

*S. Mian (USA)*

**10'** **Pearls and pitfalls in DSEK/DMEK surgery**

*T. Kim (USA)*

**15'** **Live patients evaluation 1**

SATURDAY 1<sup>st</sup>



- 10' Utility of multimodal imaging for the diagnosis and management of limbal stem cell deficiency**  
*S. Deng (USA)*
- 10' Graft under pressure**  
*L. de Benito-Llopis (UK)*
- 10' New developments in Fuchs dystrophy**  
*C. Sarnicola (Arezzo)*
- 10' Common mistakes in ocular surface tumor management**  
*J. B. Rubenstein (USA)*
- 10' How to make a differential diagnosis among corneal dystrophies: history, slit lamp features, prognosis**  
*J. Weiss (USA), W. Lisch (Germany)*
- 10' Ocular surface inflammation: what's new?**  
*P. Aragona (Messina)*
- 10' Ocular graft versus host disease**  
*M. Vanathi (India)*
- 10' Live patients evaluation 2**

## MAIN ROOM

### 13.30 - 14.00: AWARD CEREMONY

**AWARD COMMITTEE:**

*W. Lisch (Germany), P. Nucci (Milan),  
F. Passani (Carrara, MS), D. Scorsetti (Argentina), J. Weiss (USA)*

**PANEL:**

*P. Aragona (Messina), T. Avitabile (Catania), V. Sarnicola (Grosseto)*

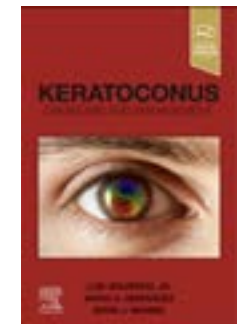
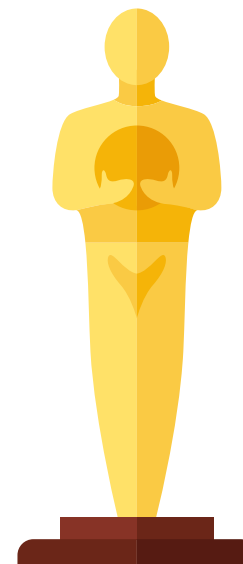
**BEST ORAL PRESENTATION**

**BEST POSTER**

**MOST ORIGINAL ORAL PRESENTATION**

**MOST ORIGINAL POSTER**

**BEST VIDEO**



# POSTERS

## Poster Area

Poster presentation is scheduled on  
**Thursday 29<sup>th</sup>** from **17:00** to **17:30** in the Poster Area

### AWARDS COMMITTEE:

*W. Lisch (Germany),  
P. Nucci (Milan),  
F. Passani (Carrara, MS),  
D. Scorsetti (Argentina),  
J. Weiss (USA)*



### Candidates for the best poster contest

The Best Poster & Most Original Poster winners will be awarded during the Awards Ceremony in the **Main Room** on **Saturday 1st** at **1:30 pm**

## POSTERS

1



**Global prevalence of Fuchs endothelial corneal dystrophy (FECD) in adult population: a systematic review and meta-analysis**

*F. Ceccarelli, F. Aiello, M. Cesareo, C. Nucci (Rome)*

2



**In-Office use of cryopreserved amniotic membrane for the treatment of persistent epithelial defect: a sutureless, glue-free technique**

*A. Di Maggio, M. Marullo (Pescara)*

3



**Autologous simple conjunctival epithelial transplantation for primary pterygium**

*E. Bonacci, E. Pedrotti (Verona), M. Bertolin, A. Fasolo, D. Ponzin (Mestre, VE), G. Marchini (Verona)*

4



**Microscopic corneal epithelial changes and clinical outcomes in simple limbal epithelial transplantation surgery after treatment with amniotic membrane eye drops**

*R. Kilian, E. Bonacci, C. Rizzo (Verona), A. De Gregorio (Bassano Del Grappa, VI), F. Bosello (Verona), A. Fasolo, D. Ponzin (Mestre, VE), G. Marchini, E. Pedrotti (Verona)*

5



**Ocular surface complications in chronic liver disease - a case report**

*C. De Vitto, R. Mencucci, M. Cennamo (Florence)*

6



**Mystery case: corneal deposits in patients affected by multiple myeloma (MM)**


*E. B. Marcheggiani, L. Rania, G. Mussoni (San Marino), C. Mularoni (Milan), A. Mularoni (San Marino)*


7




**Study of epithelial corneal thickness and its relationship with tear meniscus height in dry eye disease**


*F. Franchina, C. Azzaro, P. Aragona (Messina)*


**8** Post cataract surgery dry eye disease, effectiveness of semifluorinated alkanes (perfluorohexyloctane) eye drops  
 *S. A. Bagaglia (Florence)*

**9** In vitro antimicrobial activity of a commercial ophthalmic solution containing zinc sulphate 0.02% and benzalkonium chloride 0.01%  
 *D. Satta, M. G. Donadu, S. Dore, A. Balloi, A. Satta, A. Pinna (Sassari)*


**10** The role of topical povidone-iodine in the management of infectious keratitis: a pilot study  
 *C. Pagnacco, E. Pedrotti, E. Bonacci, R. Kilian (Verona), A. Fasolo (Venezia), A. Marco, J. Manzini, F. Bosello, G. Marchini (Verona)*

**11** Effectiveness of topical antiseptics in reducing conjunctival bacterial flora: randomized clinical trial  
 *F. Gatti, F. Semeraro, V. Romano (Brescia)*


**12** Ocular drug delivery contact lenses: much more than a therapeutic device  
 *M. Mazzoni, K. Mularoni, G. L. Possati, F. Garzarella, A. Mularoni (San Marino)*


**13** Usefulness of the 3D heads-up NGenuity system in corneal transplant surgery  
 *L. Scartozzi, L. Mosca, A. De Filippis, L. Guccione, R. Fasciani, S. Rizzo (Rome)*


**14** Ultrastructural analysis of rehydrated human donor corneas after air-drying and dissection by femtosecond laser  
 *E. Bonacci (Verona), E. Pedrotti, M. Anastasi, C. Pagnacco, R. Kilian (Verona), D. Ponzin (Mestre, VE), G. Marchini (Verona)*


**15** Dexmedetomidine versus Remifentanyl monitored anesthesia care during endothelial keratoplasty: a retrospective study  
 *M. Cennamo, C. De Vitto, C. Adembri, S. Pierucci, R. Mencucci (Florence)*

**16** Effectiveness of phacoemulsification with toric intraocular lens implantation in addressing irregular corneal astigmatism  
 *N. Din, M. Bizrah, S. Balal, M. Phylactou, R. Angunawela, S. Fung (UK)*

**17** Combining crosslinking with keratoplasty: the DRXL-DALK procedure  
 *M. Zagari, M. A. Pulvirenti (Catania), C. Mazzotta (Siena)*

**18** Interaction between topographic parameters and DES for Algerian keratoconus patients  
 *I. F. Mehdaoui, Kaile Fatiha, Amine Derdour, Salma Chiali (Algeria)*

**19** Keratoconus caused due to prolonged screen usage  
 *D. Gandluru, S. Devu (India)*

**20** DMEKs in young adults: clinical outcomes of DMEK performed in patients  $\leq 30$  years of age  
 *S. Maqsood, R. Hussain, M. Niestrata, V. Maurino (UK)*

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 **Candidates for S.I.C.S.S.O. Award Contest  
for ophthalmologists under 40**  
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**21 Epi-off versus iontophoresis epi-on collagen cross-linking in treatment of advanced progressive keratoconus**

*M. R. Astori, A. Mazzucco, E. Rapetti (Alessandria)*

**22 The use of two 90 degree arc intracorneal ring segments in management of crab claw topographic pattern**

*H. Elnashar (Egypt)*

**23 Combined PRK with ray-tracing analysis and transepithelial PTK for treatment of calcific band keratopathy**

*F. Passidomo (Sassari), F. Pignatelli, G. Addabbo (Taranto),  
R. Buonamassa (Bari)*

**24 Functionalized hyaluronic acid for “in situ” matrix metalloproteinase inhibition: a bioactive material to treat the dry eye syndrom**

*G. Greco, S. Burgalassi, M. Fragai, O. Francesconi,  
L. Cerofolini, D. Monti, G. Leone, S. Lamponi, A. Magnani,  
C. Nativi (Siena)*

**25 Beneficial effects of Rho-associated Protein Kinase inhibitor eye drops in corneal endothelial cells**

*L. Daham (Algeria)*

# VIDEO

Maximum Length: 4 minutes

Video will be available *non stop* in the video room and on the meeting **app**

Vote the best video through the app by **Saturday July 1<sup>st</sup>**

The Best Video winner will be awarded during the Awards Ceremony in the **Main Room** on **Saturday 1<sup>st</sup>** at **1:30 pm**



## VIDEO

- 1 A scary movie DALK type II bubble rupture**  
*H. Yassin (Egypt)*
- 2 DALK in previous corneal incisional refractive surgery**  
*H. Yassin (Egypt)*
- 3 DALK for corneal ulcer**  
*S. Scalia, M. Sanfilippo (Enna)*
- 4 Treatment of corneal neovascularization prior to DALK**  
*A. Y. Cheung (USA)*
- 5 Femtosecond assisted mushroom shape DALK guided by anterior segment OCT**  
*M. Arino-Gutierrez, A. Villarrubia-Cuadrado, J. García-Bella (Spain)*
- 6 When the Intraoperative OCT can rescue your big bubble DALK**  
*A. M. Hassan (Egypt)*
- 7 Combined DALK and cataract surgery for keratoconus**  
*S. Lippera, G. Pallotta, P. Ferroni, S. Morodei (Fabriano), M. Lippera (UK)*
- 8 Perforating keratoplasty combined with open-sky lollipop technique in dense brunescant cataract with small pupil**  
*A. Meduri, U. Camellin, A. Salsa, P. Aragona (Messina)*
- 9 A challenging case: combined posterior vitrectomy, glaucoma surgery and PK**  
*M. Fioretto (Casale Monferrato, AL)*
- 10 Keratoplasty in difficult cases**  
*F. Massignan, A. Galan (Padova)*
- 11 How a stitch in time saved vision in a post PUK precious eye**  
*A. Koul, D. Modak, Y. Shivanna, R. Shetty (India)*

- 12 A case of corneal perforation**  
*S. Luceri, M. Coppola (Monza)*
- 13 Mini DSAEK, phaco and IOL for patient with rheumatoid arthritis and a corneal perforation**  
*N. Din, A. R. Slomovic (Canada)*
- 14 Scleral patch autograft in corneal melting**  
*S. Scalia, M. Sanfilippo (Enna)*
- 15 Always there is a hope**  
*H. Elnashar (Egypt)*
- 16 Three different strategies for total corneal opacity**  
*R. Fasciani, L. Mosca, L. Guccione (Rome)*
- 17 Reshaping the cornea: a corneal “facelift” for pellucid marginal degeneration**  
*D. Loya-García (Mexico)*
- 18 Double blue descemetorhexis**  
*V. Ramovecchi (San Severino Marche, MC)*
- 19 “The spinning technique” for unfolding tightly scrolled DMEK grafts**  
*N. Din, M. Phylactou, A. Vasquez-Perez, C. Liu (Canada)*
- 20 DMEK preparation: marking complication and pre descemet layer**  
*M. Airdi (Brescia), C. Rocha de Lossada (Spain), F. Semeraro, V. Romano (Brescia)*
- 21 DMEK in iridocorneal endothelial (ICE) syndrome**  
*H. Yassin (Egypt)*
- 22 Technique for descemetorhexis under ophthalmic viscosurgical devices and air**  
*G. Coco (Rome), L. Pagano, A. Borgia, S. B. Kaye (UK), V. Romano (Brescia)*
- 23 Intraoperative OCT, could be a game changer in DMEK?**  
*A. M. Hassan (Egypt)*
- 24 The triple ripple - the tale of a topical triple DMEK**  
*D. Modak, Y. Shivanna, R. Shetty (India)*
- 25 The giant leap**  
*B. Trindade (Brazil)*
- 26 DMEK after fibrosed DSAEK**  
*M. Gessa-Sorroche, J. Giménez-Almenara Amo, A. Carrero Collantes (Spain)*
- 27 Descemet stripping automated endothelial keratoplasty for corneal decompensation in the setting of pseudoexfoliative syndrome, with posterior chamber intraocular lens**  
*O. Moraru, C. Moraru (Romania)*
- 28 Quadruple procedure for visaul rehabilitation of endothelial decompensation following phakic intraocular lens implantation: a modified surgical technique**  
*P. Leon, F. Birattari, A. Franch (Venice)*
- 29 Limbar dermoid cyst excission**  
*L. Mosca, L. Guccione, R. Fasciani, L. Scartozzi, S. Rizzo (Rome)*
- 30 Clear cornea post sever chemical burn without keratoplasty**  
*H. Elnashar (Egypt)*
- 31 Autograft limbal stem cells, amniotic membrane and auto serum eye drops for severe chemical burn without keratoplasty**  
*H. Elnashar (Egypt)*
- 32 Giant choroidal melanoma: ocular enucleation and amniotic membrane transplantation**  
*M. Gessa-Sorroche, J. Giménez-Almenara Amo, A. Carrero Collantes (Spain)*

Vote for the “Best Video” award using the S.I.C.S.S.O. App by 11.15 a.m. of **Saturday 1<sup>st</sup>**





INFO



**team**  
eventi

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