

# XVIII SICSSO CONGRESS

The International Society of Cornea  
Stem Cells and Ocular Surface

**LIVE SURGERY**  
**"OSPEDALE OFTALMICO DI TORINO"**



27\_29  
JUNE  
2019

TURIN - Italy

FINAL  
PROGRAM

[WWW.SICSSO.ORG/2019/](http://WWW.SICSSO.ORG/2019/)



SIMULTANEOUS TRANSLATION



**WITH THE PATRONAGE OF**





**Cornea Society**

*Advancing the treatment of corneal disease*



**pancornea**  
sociedad panamericana de cornea



European Society of Cornea and  
Ocular Surface Disease Specialists

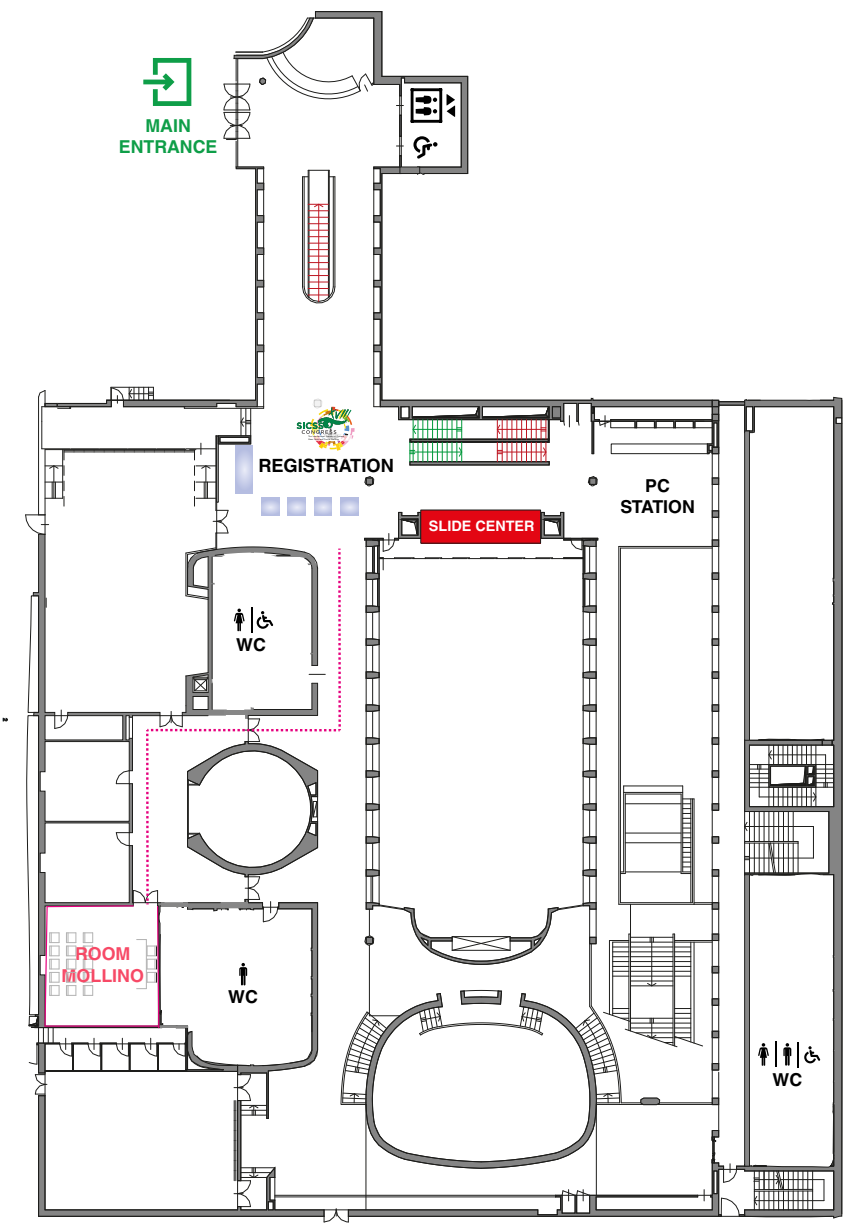
**PROGRAM**  
**27.06\_THURSDAY**

**PROGRAM**  
**28.06\_FRIDAY**

**PROGRAM**  
**29.06\_SATURDAY**

# CONGRESS VENUE

## FLOOR -1



# CONGRESS VENUE

## FLOOR -2

### EXHIBITORS

- |    |              |    |                    |
|----|--------------|----|--------------------|
| 1  | ALFA INTES   | 14 | NTC                |
| 2  | BRUSCHETTINI | 15 | CRV                |
| 3  | ALCON        | 16 | TOPCON             |
| 4  | OFFHEALTH    | 17 | VISUFARMA          |
| 5  | DOMPE        | 18 | TEC MED            |
| 6  | SIFI         | 19 | E. JANACH          |
| 7  | DMG          | 20 | OFTALMEDICA        |
| 8  | MEDIVIS      | 21 | NIKON + CSO ITALIA |
| 9  | SOOFT        | 22 | THEA               |
| 10 | TAKEDA       | 23 | IVIS               |
| 11 | B+L          | 24 | 360 Oftal.         |
| 12 | J&J          | 25 | Turismo Torino     |
| 13 | NEW TECH     |    |                    |



# SINOTTICA AT A GLANCE

-  - Simultaneous translation Italian-English and English-Italian
-  - Italian language only
-  - English language only
-  - Poster Award contest
-  - Paper Award contest

THURSDAY 27<sup>th</sup>

FRIDAY 28<sup>th</sup>

SATURDAY 29<sup>th</sup>

MAIN ROOM CAVOUR - TALKS

MAIN ROOM CAVOUR - LIVE SURGERY

ROOM 2 SELLA - CORSI IN ITALIANO

WET LAB ROOM

VIDEO ROOM

ROOM MOLLINO

## THURSDAY 27<sup>th</sup>

|               | MAIN ROOM CAVOUR  |                                                           | ROOM 2 SELLA  | WET LAB ROOM                                                                                                                                                                                           | VIDEO ROOM                      |
|---------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|               | Talks                                                                                              | Live surgery                                              |                                                                                                |                                                                                                                                                                                                        |                                 |
| 10.00 - 11.30 | BEST PAPER CONTEST FOR OPHTHALMOLOGISTS UNDER 40                                                   | •                                                         | •                                                                                              | CXL<br>L.. Spadea (Rome)<br>R. Vinciguerra (UK)<br><small>SPONSORED BY  SCOTT Italia<br/>TEVA PHARMAS GROUP</small> | VIDEO PRESENTATIONS<br>NON STOP |
| 11.30 - 13.00 |                                                                                                    |                                                           |                                                                                                |                                                                                                                                                                                                        |                                 |
| 13.00 - 13.45 | BREAK                                                                                              | BREAK                                                     | BREAK                                                                                          | BREAK                                                                                                                                                                                                  |                                 |
| 13.45 - 14.15 | OPENING REMARKS                                                                                    | •                                                         | •                                                                                              | •                                                                                                                                                                                                      |                                 |
| 14.15 - 14.30 | KEYNOTE LECTURES                                                                                   | DALK<br>G. Caramello (Cuneo)<br>S. Shimmura (Japan)       | •                                                                                              | •                                                                                                                                                                                                      |                                 |
| 14.30 - 16.00 |                                                                                                    |                                                           | CHERATITE ERPETICA                                                                             | DMEK<br>M. Terry (USA)                                                                                                                                                                                 |                                 |
| 16.00 - 16.30 |                                                                                                    |                                                           | •                                                                                              | •                                                                                                                                                                                                      |                                 |
| 16.30 - 17.00 | BREAK                                                                                              | BREAK                                                     | BREAK                                                                                          | BREAK                                                                                                                                                                                                  |                                 |
| 17.00 - 17.30 | <br>SICOP       | OCULOPLASTY:<br>S. Bruschi (Turin)<br>R. C. Kersten (USA) | CHERATITI MICROBICHE                                                                           | •                                                                                                                                                                                                      |                                 |
| 17.30 - 19.00 | OCULOPLASTY & OCULAR SURFACE<br>LIVE PATIENT EVALUATION                                            |                                                           |                                                                                                | DALK<br>R. Fogla (India)<br>U. De Sanctis (Turin)                                                                                                                                                      |                                 |

Poster presentation is scheduled on Thursday 27<sup>th</sup> from 16.30 to 17.30 in the POSTER AREA

# FRIDAY 28<sup>th</sup>

|               | MAIN ROOM CAVOUR                                  |                                                                                                                                   | ROOM 2<br>SELLA  | WET LAB<br>ROOM                                                         | VIDEO<br>ROOM                      |
|---------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------|
|               | Talks                                                                                                                              | Live surgery                                                                                                                      |                                                                                                   |                                                                         |                                    |
| 08.30 - 09.30 | KERATOCONUS:<br>WHICH IS<br>THE BEST THERAPY?                                                                                      | <b>RING</b><br>A. Bellone (Turin)<br><b>RING</b><br>A. Mularoni (Rep. of San Marino)<br><b>CTEN &amp; CXL</b><br>L. Spadea (Rome) | PTERIGIO                                                                                          | <b>DMEK</b><br>F. Price (USA)                                           | VIDEO<br>PRESENTATIONS<br>NON STOP |
| 9.30 - 10.00  |  INTERACTIVE<br>CLINICAL CASES                    |                                                                                                                                   |                                                                                                   |                                                                         |                                    |
| 10.00 - 11.00 | DALK                                                                                                                               | <b>DALK</b><br>R. Fogla (India)                                                                                                   | OCCHIO SECCO                                                                                      | <b>DMEK</b><br>M. D. Straiko (USA)                                      |                                    |
| 11.00 - 11.30 | BREAK                                                                                                                              | BREAK                                                                                                                             | BREAK                                                                                             |                                                                         |                                    |
| 11.30 - 12.30 |  <b>HIGHLIGHTS</b><br>NEUROTROPHIC<br>KERATOPATHY | <b>TARSORRHAPHY</b><br>W. Lee (USA)                                                                                               | CLOSED<br>For MAIN ROOM<br>HIGHLIGHTS                                                             | CLOSED<br>For MAIN ROOM<br>HIGHLIGHTS                                   |                                    |
| 12.30 - 13.15 |  <b>HIGHLIGHTS</b><br><b>MEDAL LECTURES</b>       | CLOSED<br>For MAIN ROOM<br>HIGHLIGHTS                                                                                             |                                                                                                   |                                                                         |                                    |
| 13.15 - 14.30 | BREAK                                                                                                                              | BREAK                                                                                                                             | BREAK                                                                                             | BREAK                                                                   |                                    |
| 14.30 - 15.00 |                                                                                                                                    |                                                                                                                                   |                                                                                                   | <b>DMEK DONOR STRIPPING</b><br>V. Maurino (UK)<br>A. Ruzza (Mestre, VE) |                                    |
| 15.00 - 15.30 | INFECTIONS<br> INTERACTIVE<br>CLINICAL CASES      | <b>DMEK</b><br>F. Price (USA)<br>M. Terry (USA)                                                                                   | CHERATOCONO<br>e<br>CROSSLINKING                                                                  | •                                                                       |                                    |
| 15.30 - 16.00 |                                                                                                                                    |                                                                                                                                   |                                                                                                   |                                                                         |                                    |
| 16.00 - 16.15 |                                                                                                                                    |                                                                                                                                   |                                                                                                   |                                                                         |                                    |
| 16.15 - 17.05 | LECTURES                                                                                                                           | <b>PTERYGIUM</b><br>R. Protti (Verbania -<br>Domodossola)                                                                         | DMEK                                                                                              | <b>DALK</b><br>S. Shimmura (Japan)<br>T. Katamish (Egypt)               |                                    |
| 17.05 - 17.30 | BREAK                                                                                                                              | BREAK                                                                                                                             | BREAK                                                                                             |                                                                         |                                    |
| 17.30 - 18.00 | OCULAR SURFACE<br>RECONSTRUCTION                                                                                                   | <b>CONJUNCTIVAL<br/>LIMBAL AUTOGRAFT</b><br>E. J. Holland (USA)                                                                   | DALK                                                                                              | •                                                                       |                                    |
| 18.00 - 19.00 |                                                                                                                                    | <b>AMNIOTIC<br/>MEMBRANE<br/>TRANSPLANTATION</b><br>W. B. Lee (USA)                                                               |                                                                                                   | <b>FEMTO - ASSISTED RING</b><br>A. Mularoni<br>(Rep. of San Marino)     |                                    |

**13.30 - 15.00 LUNCH COURSE **  
**ROOM MOLLINO**

**Laser regularization and CXL combined technique to treat Ectasia**

Invited by



# SATURDAY 29<sup>th</sup>

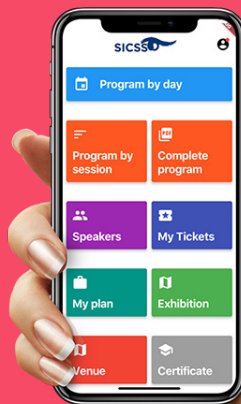
|               | MAIN ROOM CAVOUR                                               |                                                               |  | ROOM 2<br>SELLA                                                                   | WET LAB<br>ROOM                                           | VIDEO<br>ROOM                      |
|---------------|----------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------|
|               | Talks                                                          | Live surgery                                                  |                                                                                   |                                                                                   |                                                           |                                    |
| 08.15 - 09.30 | INNOVATIONS                                                    | •                                                             | COMMENTED<br>VIDEO SESSION                                                        |  | •                                                         | VIDEO<br>PRESENTATIONS<br>NON STOP |
| 09.30 - 10.00 |                                                                |                                                               |                                                                                   |                                                                                   | <b>DALK</b><br>J. Shimazaki<br>(Japan)<br>W. B. Lee (USA) |                                    |
| 10.00 - 11.00 | DMEK ROUND TABLE                                               | <b>DMEK</b><br>V. Sarnicola (Grosseto)<br>M. D. Straiko (USA) | •                                                                                 | •                                                                                 |                                                           |                                    |
| 11.00 - 11.30 |                                                                |                                                               |                                                                                   |                                                                                   |                                                           |                                    |
| 11.30 - 13.00 | FOCUS ON ENDOTHELIUM:<br>LIVE DMEK<br>&<br>PATIENTS EVALUATION | <b>DMEK</b><br>G. Alessio (Bari)<br>V. Maurino (UK)           | •                                                                                 | <b>AMNIOTIC<br/>MEMBRANE</b><br>A. Vaiano<br>P. Indemini<br>(Cuneo)               |                                                           |                                    |
| 13.00 - 13.30 |                                                                |                                                               |                                                                                   | •                                                                                 |                                                           |                                    |
| 13.30 - 13.45 |                                                                |                                                               |                                                                                   | S.I.C.S.S.O. AWARDS<br>CEREMONY                                                   | •                                                         |                                    |

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## WET LABs on eye bank tissues

Participation cost (to be added to the congress registration): € 150,00 (VAT included).



### WET LABs COURSES

Director: *A. Ruzza (Mestre, VE)*

- Thursday 11.30 - 13.00 **NEW CROSS-LINKING PROTOCOLS:  
ENHANCED FLUENCE PULSED LIGHT IONTOFORESIS  
AND CUSTOM FAST CXL**

Teachers: *L. Spadea (Rome) & R. Vinciguerra (UK)*



- Thursday 14.30 - 16.00 **DMEK**  
Teacher: *M. Terry (USA)*
- Thursday 17.30 - 19.00 **DALK**  
Teachers: *R. Fogla (India) & U. De Sanctis (Turin)*
- Friday 08.30 - 10.00 **DMEK**  
Teacher: *F. Price (USA)*
- Friday 10.00 - 11.30 **DMEK**  
Teacher: *M. D. Straiko (USA)*
- Friday 14.30 - 15.30 **DMEK DONOR STRIPPING**  
Teachers: *V. Maurino (UK) & A. Ruzza (Mestre, VE)*
- Friday 16.00 - 17.30 **DALK**  
Teachers: *S. Shimmura (Japan) & T. Katamish (Egypt)*
- Friday 18.00 - 19.00 **FEMTO - ASSISTED RING**  
Teacher: *A. Mularoni (Rep. of San Marino)*
- Saturday 09.30 - 11.00 **DALK**  
Teachers: *J. Shimazaki (Japan) & W. B. Lee (USA)*
- Saturday 11.30 - 13.00 **AMNIOTIC MEMBRANE**  
Teachers: *A. S. Vaiano & P. Indemini (Cuneo)*

### SUPPORTED BY



# **NON STOP VIDEO SESSION**

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Sala Video Antonelli

Video Room Antonelli

**Thursday to Saturday**

**Download S.I.C.S.S.O. App  
and vote your favourite video from  
NON STOP VIDEO SESSION**

**The winner will be awarded  
in the Main Room  
on saturday 29th at 13.30**

**App available on  
Android and Apple iOS**

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# SALA CAVOUR

## MAIN ROOM

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Traduzione simultanea Inglese - Italiano

Simultaneous translation Italian - English



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



**AWARDS COMMITTEE:** *W. Lisch (Germany), F. Passani (Carrara, MS), D. H. Scorsetti (Argentina), J. S. Weiss (USA)*

### 5' Opening remarks

*F. Passani (Carrara, MS)*

### 7' Assessment of the association between in vivo corneal biomechanical changes after collagen cross-linking and depth of demarcation line

*R. Vinciguerra, A. Tzamalis, V. Romano, E. M. Arbabi, M. Batterbury, S. B. Kaye (UK)*

### 7' Keratoconus progression in patients with allergy and elevate surface matrix mealloproteinase 9- point of care test

*S. A. Bagaglia, C. Mazzotta (Siena)*

### 7' Use of accelerated CXL in recurrent keratoconus (RKC) after keratoplasty

*G. Caldarella, E. Pedrotti, T. Cozzini, J. Bonetto, E. Bonacci, A. Galzignato, T. Merz, P. Talli, G. Marchini (Verona)*

### 7' Twelve months follow up of intrastromal keratoplasty: new prospectives for the treatment of keratoconus

*E. Bonacci, E. Pedrotti, J. Bonetto, T. Cozzini, G. Caldarella, A. Galzignato, T. Merz, P. Talli, G. Marchini (Verona)*

### 7' Mushroom-shaped femtolaser-assisted deep anterior lamellar keratoplasty: an ex vivo feasibility study

*A. De Rossi, J. Bonetto, E. Pedrotti, T. Cozzini, E. Bonacci, G. Caldarella, A. Galzignato, T. Merz, P. Talli, G. Marchini (Verona)*

### 7' Corneal-wavefront PRK combined with corneal collagen

#### crosslinking in mild to moderate keratoconus

*G. Caramello, R. R. Penna, A. S. Vaiano (Cuneo)*

### 7' Intracameral mydriatic and anesthetic combination versus topical

#### eyedrops during cataract surgery: effects on the cornea and the ocular surface

*M. Cennamo, E. Favuzza, G. Scali, R. Mencucci (Florence)*

### 7' Riepitelialization and sub-basal nerves recovery following human

#### recombinant NGF in patients with neurotrophic keratopathy

*T. Cozzini, E. Pedrotti, G. Caldarella, J. Bonetto, T. Merz, E. Bonacci, A. Galzignato, P. Talli, G. Marchini (Verona)*

### 7' Corneal transplant surgery with grafts prepared by the first

#### Russian private eye bank "iLab": 5 years' experience

*D. Dementiev, A. Shipunova, V. Veshchikova, A. Drakon (Russia)*

### 7' Excision of the corneal endothelium in Fuchs syndrome

#### L. Landi, A. Grosso, M. Orione, M. Fioretto (Casale Monferrato, AL)

### 7' Toric IOL in keratoconus: visual outcomes and aberrometric results

#### A. Imburgia, G. L. Possati, C. Paci, R. Giorgetti, A. Mularoni (Rep. of San Marino)

### 7' UT-DSEK with Russian femto-laser system: transplant surface

#### quality and clinical outcomes

*A. Pashtaey, B. Malyugin, S. Izmailova (Russia)*

**7' Repeatability and agreement of corneal parameters using two****non-contact specular microscopes**

A. A. Perrotta, *L. Maranzana, R. Migliorini, P. Busatto (Pordenone)*

**7' Analysis of corneal endothelium and corneal densitometry in****primary open angle glaucoma, pseudoexfoliation glaucoma and myopic and diabetic glaucomatous patients**

R. Spinetta, *T. Rolle, A. Fea, E. Malgieri, R. Nuzzi (Turin)*

**7' Donor cornea-scleral rim transplantation for severe medical****resistant infectious corneal ulcer**

O. Ziitadinova, *A. Rascheskov (Russia)*

**13.00-13.45 BREAK**

**13.45 - 14.15: OPENING REMARKS**

*V. Sarnicola (Grosseto), E. J. Holland (USA), C. Panico (Turin)*

**S.I.C.S.S.O. BOARD MEMBERS:**

*G. Alessio (Bari), Al. Balestrazzi (Rome), L. Buzzonetti (Rome), E. Cantera (Rome), G. Marchini (Verona), R. Mencucci (Florence), A. Montericcio (Trapani), A. Mularoni (Rep. of San Marino), R. Protti (Domodossola - Verbania), N. Rosa (Salerno), L. Spadea (Rome), P. Vinciguerra (Milan)*

**10' The evolution of corneal surgery in the last 20 years**

*C. Panico (Turin)*

**14.15 - 16.30: KEYNOTE LECTURES**

**PRESIDENT:** *J. B. Rubenstein (USA)*

**PANEL:** *N. Afshari (USA), G. Marchini (Verona), N. Rosa (Salerno)*

**L I V E   S U R G E R Y   -   D A L K**

- **STREAMING FROM:** *Centro Abax (Cuneo) & Ospedale Oftalmico di Torino*
- **SURGEONS:** *G. Caramello (Cuneo), S. Shimmura (Japan)*
- **MODERATORS FROM OR:** *F. Aiello (Rome), P. Indemini (Cuneo), L. Mosca (Rome)*

**9' DALK no limits**

*P. Vinciguerra (Milan)*

**9' Special indications for tectonic keratoplasty**

*E. Balestrazzi (Rome)*

**9' Ocular surface transplantation vs. keratoprosthesis**

*E. J. Holland (USA)*

- 9' Controversies in the diagnosis and management of ocular surface tumors**  
*K. A. Colby (USA)*
- 9' Two rare hereditary corneal epithelial diseases-EREDS and Fabrys-diagnosis and more**  
*J. S. Weiss (USA)*
- 9' Decisive diagnosis of certain corneal dystrophies by indirect illumination at the slit-lamp**  
*W. Lisch (Germany)*
- 9' Anterior segment OCT for early diagnosis of keratoconus**  
*S. Yoo (USA)*
- 9' Stem cell ophthalmology treatment study - Bone marrow derived stem cells in the treatment of Retinitis Pigmentosa**  
*J. N. Weiss (USA)*

**16.30-17.00 BREAK**

**17.00 - 19.00: OCULOPLASTY & OCULAR SURFACE**Symposium  in **PRESIDENTS:** *W. Lee (USA), G. Vadalà (Ivrea)***PANEL:** *L. Arturi (Turin), L. Bauchiero (Ivrea), C. Orione (Nizza Monferrato, AT), E. Polito (Siena), F. Trivella (Lucca)***LIVE SURGERY - OCULOPLASTY**

- **STREAMING FROM:** *Ospedale Oftalmico di Torino (Turin)*
- **SURGEONS:** *R. C. Kersten (USA), S. Bruschi (Turin)*
- **MODERATORS FROM OR:** *G. Aimino (Ivrea), C. Graziani (Turin)*

**10' Basic eyelid reconstruction after trauma or cancer removal***W. Lee (USA)***10' Common Eyelid Malpositions: Ectropion and Entropion***R. Migliardi (Turin)***10' Eyelid Retraction and Exposure Secondary to Exophthalmos***C. De Conciliis (Milan)***10' Floppy Eyelid Syndrome***F. Trivella (Lucca)***10' Giant Fornix Syndrome***R. C. Kersten (USA)***15' Live patient evaluation**Case Presenter: *G. Vadalà (Ivrea)***FREE EVENING, ENJOY TURIN**

## 08.30 - 10.00: KERATOCONUS: WHICH IS THE BEST THERAPY?



**PRESIDENTS:** *G. Caramello (Cuneo), L. Menabuoni (Prato)*

**ROUND TABLE:** *N. A. Afshari (USA), R. Barraquer (Spain), L. Mosca (Rome), D. H. Scorsetti (Argentina), P. Vinciguerra (Milan)*

### CASE DISCUSSION: How to select the proper treatment



**Interactive clinical cases**

Audience response system

**5' Clinical case 1**

**5' Clinical case 2**

**5' Clinical case 3**

### LIVE SURGERY - CONSERVATIVE SURGERY FOR KERATOCONUS

- **STREAMING FROM:** *Ospedale Oftalmico di Torino (Turin)*
- **SURGEONS:** **cTen™ + CXL transepithelial low invasive corneal regularization**  
*L. Spadea (Rome)*  
**INTRASTROMAL CORNEAL RINGS (ISCR)**  
*A. Bellone (Turin), A. Mularoni (Rep. of San Marino)*
- **MODERATORS FROM OR:** *C. Mazzotta (Siena), P. Rosetta (Milan), V. Sarnicola (Grosseto),*



**10.00 - 11.00: DALK & LIVE SURGERY**

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

**ROUND TABLE:** *A. Galan (Padua), T. Katamish (Egypt), W. B. Lee (USA), J. Shimazaki (Japan), S. Shimmura (Japan), M. Terry (USA), P. Vinciguerra (Milan)*

**LIVE SURGERY - DALK**

- **STREAMING FROM:** *Ospedale Oftalmico di Torino (Turin)*
- **SURGEON:** *R. Fogla (India)*
- **MODERATOR FROM OR:** *A. Mularoni (Rep. of San Marino)*



**12' DALK surgical anatomy and new acronym: Dua Layer, DALK, STALK, TALK**

*V. Sarnicola (Grosseto)*

**12' Clinical and surgical applications of “pre-Descemets layer”**

*H. S. Dua (UK)*



**11.00-11.30 BREAK**



## MEETING HIGHLIGHT

### 11.30 - 12.30: NEUROTROPHIC KERATOPATHY & LIVE SURGERY



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

**ROUND TABLE:** *P. Aragona (Messina), E. J. Holland (USA), R. Protti (Domodossola - Verbania)*

### LIVE SURGERY - TARSORRHAPHY

- **STREAMING FROM:** *Ospedale Oftalmico di Torino (Turin)*
- **SURGEON:** *W. Lee (USA)*
- **MODERATOR FROM OR:** *D. Schiano Lomoriello (Rome)*



**10' Neurotrophic ulcer: diagnosis and treatment**

*M. Rolando (Genoa)*

**30' ROUND TABLE CASES DISCUSSION**

## MEETING HIGHLIGHT

### 12.30 - 13.15: MEDAL LECTURES 2019



**FACULTY:** *R. Barraquer (Spain), D. Dementiev (Italy - Russia), R. Fogla (India), E. J. Holland (USA), V. Sarnicola (Grosseto), M. Terry (USA)*

**3' PRESENTER:** *J. B. Rubenstein (USA)*

**15' Eye banking and new corneal surgeries,  
what we have and what we need**  
**MARIAN S. MACSAI (USA)**

**3' PRESENTER:** *W. B. Lee (USA)*

**15' Prevention and management of corneal  
transplant – related infections**  
**ELMER Y. TU (USA)**



### S.I.C.S.S.O. CAREER AWARDS

**Local Organizer:** *C. Panico (Turin)*

**Scientific Secretariat Coordinator:** *R. Protti (Verbania - Domodossola)*

*Emilio Balestrazzi (Rome)*

*Luigi Bauchiero (Ivrea)*

*Guido Caramello (Cuneo)*

*Francesco Montrone (Bari)*





## MARIAN S. MACSAI (USA)



*Medal Lecture 2019*

### "Eye banking and new corneal surgeries, what we have and what we need"

Dr. Macsai is the chief of the Division of Ophthalmology for NorthShore University HealthSystem and clinical professor of ophthalmology at the University of Chicago, Pritzker School of Medicine. She is the past President of the Cornea Society as well as past Chair of the Eye Bank Association of America. She has been active in eye banking at the national level for over 20 years.

Dr. Macsai is a board-certified ophthalmologist with fellowship training in cornea and refractive surgery. Her areas of specialties include corneal transplants, refractive surgery, cataracts, as well as medical and surgical treatment of diseases of the external eye. Dr. Macsai is a member of the American Ophthalmologic Society with thesis and serves as an examiner for the American Board of Ophthalmology. She has served on the Food and Drug Administration Ophthalmic Devices Panel and currently serves on the Advisory Committee on Blood and Tissue Safety and Availability (ACBTSA) as well as serving on the World Health Organization Biovigilance and Surveillance Committee.

She is nationally recognized as an expert in the fields of refractive and corneal surgery and has served as a guest speaker and visiting professor at numerous academic institutions, both in the United States and Internationally.

She has been the recipient of numerous honors and awards including the Paton Award, Distinguished Contributions in Medicine Award, and other outstanding teaching and education awards. She was Eversight's Gift of Sight Honoree in 2016. In 2017, she received the Lifetime Achievement Award from the American Academy of Ophthalmology.

She serves on the executive editorial board of the journal Cornea, and has edited the textbooks series Rapid Diagnosis in Ophthalmology and Ophthalmic Microsurgical Suturing Techniques. Most recently her article, The use of Topical Rho kinase Inhibitors in the Treatment of Fuchs Dystrophy after Descemets Stripping Only is in publication.



## ELMER Y. TU (USA)



*Medal Lecture 2019*

### "Prevention and management of corneal transplant – related infections"

Elmer Y. Tu, MD is a Professor of Clinical Ophthalmology and Director of the Cornea and External Disease Section of the Department of Ophthalmology and Visual Sciences, University of Illinois College of Medicine, Chicago, Illinois. He received a BS in Chemistry from the University of Miami in 1984 and an MD from the University of Miami School Of Medicine in 1988. He completed an Ophthalmology residency at the University of Wisconsin, Madison in 1992 and a fellowship in Cornea and External Disease at the Bascom Palmer Eye Institute in 1993. He was formerly Director of the Corneal and External Disease Section, Department of Ophthalmology, University of Texas Health Science Center- San Antonio, San Antonio, Texas until 1999 and served as Residency Program Director. His areas of research interest involve infectious and inflammatory diseases of the ocular surface, contact lens safety, corneal surgery and eye banking.

Dr. Tu is a recipient of both an American Academy of Ophthalmology Achievement Award and 2 Secretariat Awards. He was elected to the Alpha Omega Alpha Honor Society and has been listed an expert consultant to the FDA Ophthalmic Devices Panel. He serves on the AUPO Fellowship Compliance Committee and previously served on the American Academy of Ophthalmology Basic and Clinical Science Course Cornea/External Disease Subcommittee and Knowledge Base-Cornea/External Disease-Panel Subcommittee. He currently serves as President of the Cornea Society and is a past President of the Ocular Microbiology and Immunology Group. He is an Executive Editor for Cornea and External Diseases for the American Journal of Ophthalmology, served as a Section Editor of the AAO publication, Focal Points, and is a member of the Editorial Board of the subspecialty journals Cornea and Eye and Contact Lens. He performs peer review on a regular basis for numerous national and international journals. He has also received numerous teaching awards, presented numerous national, named and international invited lectures and has been listed as a Best Doctor in America for over 15 years. In total, he has over 100 book chapters, peer-reviewed manuscripts, and abstracts in publication.

13.15-15.00 LUNCH BREAK



## S.I.C.S.S.O. Lunch at Bolaffi

Via Cavour, 17 - Torino

follow the balloons



**13.30 - 15.00 LUNCH COURSE** 

Invited by

**ROOM MOLLINO (FLOOR -1)****LASER REGULARIZATION & CXL COMBINED TECHNIQUE TO TREAT ECTASIA**

---

- 10'**    **Corneal Ectasia: when and which surgery**  
*V. Sarnicola (Grosseto)*
- 10'**    **Corneal biodynamics related to the combined technique**  
*G. D'Ippolito (Taranto)*
- 10'**    **Refractive contribution of posterior corneal surface**  
*G. Alessio (Bari)*
- 10'**    **Clinic diagnosis of corneal ectatic disorders**  
*L. Spadea (Rome)*
- 10'**    **Instrumental diagnosis of corneal ectatic disorders**  
*A. Mularoni (Rep. of San Marino)*
- 10'**    **The demarcation line as crosslinking performance indicator**  
*C. Mazzotta (Siena)*
- 10'**    **Planning and follow-up of the combined technique treatments**  
*G. Mulé (Trento)*
- 20'**    **iVis Suite combined technique Wet Lab – iVis Team**

**15.00 - 16.15: INFECTIONS & LIVE SURGERY**

**PRESIDENT:** *E. Y. Tu (USA)*

**PANEL:** *An. Balestrazzi (Grosseto), R. Barraquer (Spain), G. Marchini (Verona), R. Mencucci (Florence)*

**LIVE SURGERY - DMEK**

- **STREAMING FROM:** *Ospedale Oftalmico di Torino (Turin)*
- **SURGEONS:** *F. Price (USA), M. Terry (USA)*
- **MODERATORS FROM OR:** *F. Aiello (Rome), W. B. Lee (USA)*

**8' Clinical case**

*P. Rosetta (Milan)*

**8' Clinical case**

*C. Sarnicola (Turin)*

**10' Prophylaxis in ophthalmic surgery**

*V. Sarnicola (Grosseto)*

**16.15 - 17.05: LECTURES & LIVE SURGERY**

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

**PANEL:** *N. A. Afshari (USA), M. Balidis (Greece), M. O. Price (USA), J. S. Weiss (USA), S. Yoo (USA)*

**LIVE SURGERY - PTERYGIUM**

- **STREAMING FROM:** *Ospedale Oftalmico di Torino (Turin)*
- **SURGEON:** *R. Protti (Domodossola - Verbania)*
- **MODERATOR FROM OR:** *A. Montericcio (Trapani)*



**9' Dry eye and gastroesophageal reflux disease**

*M. Rolando (Genoa)*

**9' Differential diagnosis of bilateral corneal opacities of unknown origin**

*W. Lisch (Germany)*

**9' Sequential customized therapeutic keratectomy for superficial corneal dystrophies: long-term follow up**

*P. Vinciguerra, F. Camesasca (Milan), R. Vinciguerra (UK)*

**17.05-17.30 BREAK**



**17.30 - 19.00: OCULAR SURFACE RECONSTRUCTION****PRESIDENT:** *J. B. Rubenstein (USA)***PANEL:** *K. A. Colby (USA), A. Scialdone (Milan), J. Shimazaki (Japan)***LIVE SURGERY - CONJUNCTIVAL LIMBAL AUTOGRAFT & AMNIOTIC MEMBRANE TRANSPLANTATION**

- **STREAMING FROM:** *Ospedale Oftalmico di Torino (Turin)*
- **SURGEONS:** *E. J. Holland (USA), W. B. Lee (USA)*
- **MODERATORS FROM OR:** *M. Messina (Perugia), R. Vinciguerra (UK)*

**9' Indications, contraindications and complications of keratoprosthesis**  
*J. B. Rubenstein (USA)*

**9' Techniques of limbal stem cell transplantation: which one and for which patient**  
*E. Sarnicola (Turin)*

**9' Long-term outcomes of ocular surface limbal stem cell transplantation**  
*A. Y. Cheung (USA)*

**9' Confocal microscopy findings after Simple Limbal Epithelial Transplantation (SLET): our prospective case series**  
*E. Pedrotti, E. Bonacci, J. Bonetto, G. Caldarella, T. Cozzini, A. Galzignato, G. Marchini, T. Merz, P. Talli (Verona)*

**9' Regeneration of conjunctiva in ocular surface reconstruction**  
*S. Ferrari (Mestre, VE)*

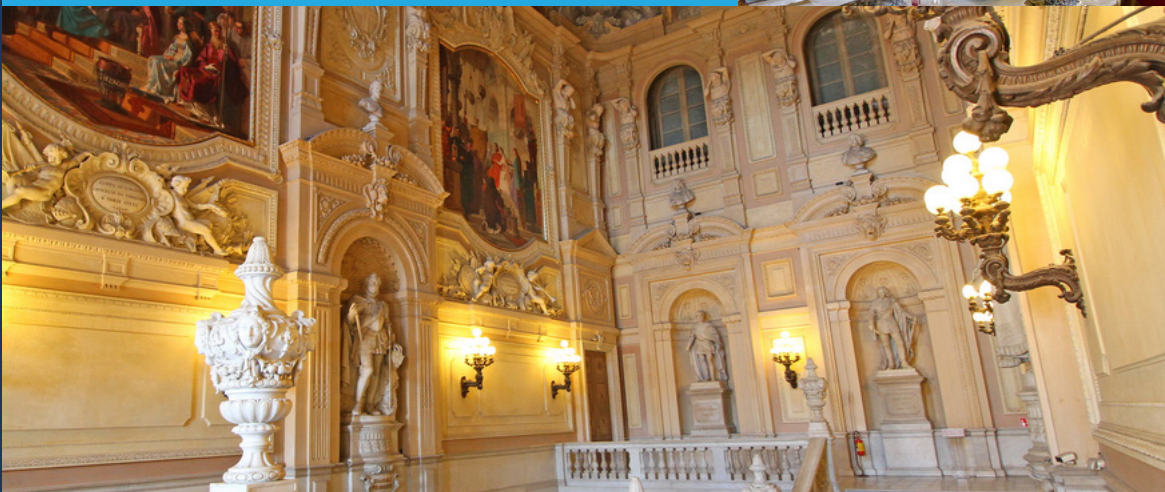
**9' Effects of amniotic membrane extract on human corneal epithelial and limbal cells**  
*E. Ghinelli (Verona)*



# S.I.C.S.S.O. SOCIAL DINNER

book your ticket → [www.sicsso.org/2019](http://www.sicsso.org/2019)

**Location:**  
**PALAZZO REALE**  
**Turin**



**08.15 - 10.00: INNOVATIONS**

**PRESIDENT:** *F. Faraldi (Turin)*

**PANEL:** *M. Balidis (Greece), C. Cagini (Perugia), D. Schiano Lomoriello (Rome), R. Vinciguerra (UK)*

- 6' Donor characteristics affecting the creation of PDEK grafts.  
A story of bubbles**  
*M. Tsatsos (UK), S. Jacob (India)*
- 6' First step in developing a gene therapy for aniridia related keratopathy**  
*C. E. Willoughby (UK)*
- 6' Femtosecond Laser - assisted intrastromal corneal segment implantation - my experience and new ring designs for the treatment of Keratoconus**  
*T. N. Castro, J. Fagundes, D. Antunes (Brazil)*
- 6' Keraring implantation using the Zeiss Visumax femtosecond laser in patients with moderate keratoconus**  
*U. De Sanctis, P. Giovino, C. Tosi (Turin)*
- 6' The Role of Intra-operative Optical Coherence Tomography (i-OCT) in Cornea Transplant Surgeries - case series presentation**  
*O. M. Moraru, C. Moraru (Romania)*
- 6' Damaged flap in femtoLASIK ... "all is not lost"**  
*Al. Balestrazzi (Rome)*
- 6' Comparison between homologous serum eye drops and platelet-rich plasma eye drops as treatment for dry eye disease**  
*L. Bergamo, M. Passilongo, A. Lovisi, M. Colosio, F. Romanelli (Trento)*

- 6' Deep anterior lamellar keratoplasty using the "small bubble" technique: our experience**  
*G. L. Biletta, L. Dallorto, R. Orsi (Aosta)*
- 6' Centripetal dissection in deep anterior lamellar keratoplasty: a rescue technique for pre or intraoperative Descemet's Membrane tears**  
*M. B. Goweida (Egypt)*
- 6' The antibacterial action of ozonized lipids in eye drops**  
*G. Grandi, R. Cipriani, A. Barbui, R. Cavallo (Turin)*
- 6' New Surgical improvements in the Peeling Off technique for a safe and reproducible DALK. One year experience**  
*E. S. Malbran, M. J. Malbran (Argentina)*
- 6' Descemetorhexis and Ripasudil for the treatment of Fuchs Endothelial Dystrophy: preliminary results**  
*L. Rania, A. Imburgia, A. Mussoni (Rep. of San Marino)*
- 8' A novel method to assess the refractive contribute of the epithelium by means of the radial thickness gradient**  
*G. Mulè (Trento)*
- 8' The therapeutical management of subclinical inflammation in ocular surface diseases.**  
*S. Barabino (Milan)*

**10.00 - 11.30: DMEK ROUND TABLE**

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

**ROUND TABLE:** *R. Fogla (India), V. Maurino (UK), F. Price (USA)*

**LIVE SURGERY - DMEK 2D VS 3D**

- **STREAMING FROM:** *Ospedale Oftalmico di Torino (Turin)*
- **SURGEONS:** *V. Sarnicola (Grosseto), M. D. Straiko (USA)*
- **MODERATORS FROM OR:** *A. Mularoni (Rep. of San Marino), P. Rosetta (Milan)*

**30' ROUND TABLE DISCUSSION**

- 8'** 50 years old person comes in with dense confluent guttae, no obvious edema of cornea, early but mild cataract, and wants multifocal IOL  
*M. O. Price (USA)*

## 11.30 - 13.30: FOCUS ON ENDOTHELIUM: LIVE DMEK & PATIENTS EVALUATION



**PRESIDENT:** *M. S. Macsai (USA)*

**PANEL:** *R. Fogla (India), R. Mencucci (Florence), J. B. Rubenstein (USA),  
V. Sarnicola (Grosseto), S. Shimmura (Japan), E. Y. Tu (USA)*

### LIVE SURGERY - DMEK

- **STREAMING FROM:** *Ospedale Oftalmico di Torino (Turin)*
- **SURGEONS:** *G. Alessio (Bari), V. Maurino (UK)*
- **MODERATORS FROM OR:** *A. Mularoni (Rep. of San Marino),  
S. Sbordone (Naples)*



#### 9' Novel therapies for Fuchs dystrophy

*K. A. Colby (USA)*

#### 9' New horizons in Fuchs dystrophy: cell regeneration & gene editing

*N. A. Afshari (USA)*

#### 9' Endothelial decreases following corneal transplantation: possible involvement of altered anterior chamber microenvironment

*J. Shimazaki (Japan)*

#### 9' Rho kinase inhibitor assisted DMEK, early clinical outcomes

*M. D. Straiko (USA)*

#### 15' LIVE PATIENT EVALUATION: CASE 1

**Case presenter:** *L. Bauchiero (Ivrea)*

#### 15' LIVE PATIENT EVALUATION: CASE 2

**Case presenter:** *E. Sarnicola (Turin)*

**13.30 - 13.45: S.I.C.S.S.O. AWARD CEREMONY**

**FACULTY:** *V. Maurino (UK), C. Panico (Turin), V. Sarnicola (Grosseto)*

**AWARDS COMMITTEE:** *W. Lisch (Germany), F. Passani (Carrara, MS), D. H. Scorsetti (Argentina), J. S. Weiss (USA)*

*The authors of the Best Oral Communication, Best Poster, Most Original Oral Communication, Most Original Poster and Best Video will be awarded.*



**BEST ORAL PRESENTATION**  
**BEST POSTER**  
**MOST ORIGINAL ORAL PRESENTATION**  
**MOST ORIGINAL POSTER**  
**BEST VIDEO**



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**SARNICOLA**

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 microcirugia  
 ocular

Moorfields  
 Eye Hospital  
 NHS Foundation Trust



# **CORSI BASE IN LINGUA ITALIANA**

## **BASIC COURSES IN ITALIAN LANGUAGE**

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Sala 2 Sella  
Room 2 Sella



**INGRESSO GRATUITO - MAX 50 PARTECIPANTI**

**FREE ENTRANCE - MAX 50 ATTENDEES**

## 14.30 - 16.00: CHERATITE ERPETICA

### SALA SELLA



**PRESIDENTS:** *L. Menabuoni (Prato), E. Sarnicola (Turin)*

**PANEL:** *An. Balestrazzi (Grosseto), E. Favuzza (Florence)*

**15' Classificazione e trattamento della cheratite erpetica**

*C. Sarnicola (Turin)*

**15' Profilassi delle recidive: evidenze della letteratura**

*M. Messina (Perugia)*

**15' Cheratopatia neurotrofica posterpetica: diagnosi e trattamento**

*R. Napolitano (Rome)*

**15' Chirurgia degli esiti**

*A. Galan (Padua)*

**15' Casi clinici**

*E. Sarnicola (Turin)*

Q&A

## 17.00 - 19.00: CHERATITI MICROBICHE

### SALA SELLA



**PRESIDENTS:** *R. Mencucci (Florence), L. Spadea (Rome)*

**PANEL:** *C. Cagini (Perugia), R. Fasciani (Rome), M. Messina (Perugia)*

- 12'**    **La flora batterica oculare: il buono, il brutto, il cattivo**  
*N. Ciccone (Florence)*
- 12'**    **Epidemiologia delle infezioni corneali**  
*E. Cantera (Rome)*
- 12'**    **Come varia l'approccio diagnostico nelle varie infezioni**  
*D. Schiano Lomoriello (Rome)*
- 12'**    **Quando i conti non tornano: Cheratiti atipiche**  
*R. Mencucci, E. Favuzza (Florence)*
- 12'**    **Terapia medica**  
*P. Aragona (Messina)*
- 12'**    **Farmacoresistenza**  
*N. Cardascia (Bari)*
- 12'**    **Terapia chirurgica: precoce, tardiva, a caldo**  
*L. Spadea (Rome)*

Q&A

## 08.30 - 09.30: PTERIGIO

### SALA SELLA



**PRESIDENT:** *R. Nuzzi (Turin)*

**PANEL:** *C. Macaluso (Parma), P. Michieletto (Rome), F. Montrone (Bari), R. Protti (Turin)*

**10'** **Tecniche chirurgiche a confronto: review della letteratura**

*R. Napolitano (Rome)*

**10'** **Autotrapianto e sangue autologo**

*J. Suvira (India)*

**10'** **Autotrapianto e colla di fibrina**

*A. Montericchio (Trapani)*

**10'** **Chirurgia delle recidive**

*A. Scialdone (Milan)*

Q&A

## 09.30 - 11.00: OCCHIO SECCO

### SALA SELLA



**PRESIDENT:** *C. Orione (Nizza Monferrato, AT)*

**PANEL:** *E. R. Antoniazzi (Pavia), P. Aragona (Messina), M. R. Astori (Alessandria), F. Faraldi (Turin)*

**9'** **Malattia dell'occhio secco e necessità di una gestione a lungo termine del paziente**

*M. Rolando (Genoa)*

**9'** **Il Dry Eye da MGD**

*C. Orione (Nizza Monferrato, AT)*

**9'** **Ghiandole di meibomio e la loro funzionalità: quali caratteristiche ha il sostituto lacrimale ideale?**

*E. Miserocchi (Milan)*

**9'** **Luce pulsata e occhio secco: indicazioni e risultati**

*L. Vigo (Milan)*

**9'** **Acido ialuronico nano-crosslinkato e sindrome di Sjogren**

*G. Torroni (Orvieto, TR)*

**9'** **L'evoluzione delle terapie future nel Dry Eye**

*L. Marino (Milan)*

Q&A

## 15.00 - 16.00: CHERATOCONO E CXL

### SALA SELLA



**PRESIDENTS:** *Al. Balestrazzi (Rome), N. Rosa (Salerno)*

**PANEL:** *M. Campanelli (Milan), E. Cantera (Rome)*

**8' Come fare una corretta diagnosi**

*R. Vinciguerra (UK)*

**8' Come e quando trattare il cheratocono: indicazioni e timing dei trattamenti disponibili**

*P. Rosetta (Milan)*

**8' Iontoforesi in luce pulsata e fluenza ottimizzata: come incrementare l'efficienza del CXL transepiteliale**

*C. Mazzotta (Siena)*

**8' Custom fast: una nuova strategia per il CXL transepiteliale**

*L. Spadea (Rome)*

**8' CXL epi-off in cornee sottili**

*C. Cagini (Perugia)*

**8' CXL, complicanze zero?**

*L. Buzzonetti (Rome)*

Q&A

## 16.00 - 17.05: DMEK

### SALA SELLA



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

**PANEL:** *S. Lippera (Fabriano, AN), R. Nuzzi (Turin), S. Sbordone (Naples)*

#### **10' Il donatore: caratteristiche ideali e preparazione**

*A. Ruzza (Mestre, VE)*

#### **10' DMEK: tecnica base e casi complessi**

*V. Maurino (UK)*

#### **10' DMEK: tecnica cannula assistita**

*L. Mosca (Rome)*

#### **10' Complicanze intra e postoperatorie**

*F. Aiello (Rome)*

#### **10' Come prepararsi ad affrontare il primo caso**

*E. Sarnicola (Turin)*

Q&A

## 17.30 - 19.00: DALK

### SALA SELLA



**PRESIDENTS:** *A. Galan (Padua), G. Marchini (Verona)*

**PANEL:** *G. Caramello (Cuneo), M. Fioretto (Casale Monferrato, AL),  
C. Macaluso (Parma)*

**15' DALK Big Bubble**

*C. Sarnicola (Turin)*

**15' DALK manuale: tecniche e risultati**

*L. Mosca (Rome)*

**15' DALK Femto-assistita**

*L. Buzzonetti (Rome)*

**15' Gestione delle complicanze**

*P. Vinciguerra (Milan)*

**15' Casi particolari**

*D. Schiano Lomoriello (Rome)*

Q&A

# COMMENTED VIDEO SESSION

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Sala 2 Sella  
Room 2 Sella



**8.15 - 10.00 Saturday 29<sup>th</sup>**  
**ENGLISH LANGUAGE ONLY**

**Vote for the "Best Video" award**  
using the S.I.C.S.S.O. App  
by Saturday 29<sup>th</sup> 11.00

**The winner will be awarded in the main  
room on Saturday 29<sup>th</sup> at 13.30**

## 08.15 - 10.00: COMMENTED VIDEO SESSION

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

**PANEL:** *N. Afshari (USA), A. Y. Cheung (USA), M. Fioretto (Casale Monferrato, AL), E. Pedrotti (Verona)*

- 5' Unexpected intraoperative surprises in PK after severe contact lens related corneal infection**  
*Al. Balestrazzi (Rome)*
- 5' Manual layer by layer dissection DALK after blood impregnation at the host donor interphase after lamellar keratoplasty in keratoconus**  
*M. J. Malbran, E. S. Malbran, N. Szuster (Argentina)*
- 5' How to deal with intraoperative complications in DALK**  
*S. Coscarelli (Brazil)*
- 5' DALK off-limits**  
*A. Galan (Padua)*
- 5' Posterior Lamellar Keratoplasty (DMEK, DSAEK) in association with mini-invasive techniques for care of complex cases**  
*S. Lippera, P. Ferroni, G. Pallotta, S. Morodei (Fabriano, AN), L. Lombardi, M. Sbrocca (Senigallia, AN), L. Mercanti (Fabriano, AN), A. Iannone (Perugia), M. Corneli (Fabriano, AN)*
- 5' Tectonic PK for ocular reconstruction in case of necrotic nodular scleritis**  
*L. Mosca, L. Guccione, U. De Vico, C. Manganelli (Rome)*
- 5' Robotic arm for the remote control of corneal welding in Keratoplasty**  
*L. Menabuoni (Prato)*
- 5' DALK in young patients with advanced keratoconus**  
*U. Mignone, C. Zampaglione, G. A. Demarie, L. Chiadò Piat (Ivrea, TO)*
- 5' Combining PK and complicated open sky cataract removal on eye affected by primary corneal graft failure**  
*S. Sbordone (Naples)*
- 5' DSAEK in complex case and risks for complications**  
*M. D. Straiko (USA)*
- 5' The Dark Side of DMEK: Complications of DMEK**  
*M. Terry (USA)*
- 5' Endothelial keratoplasty without iris support in complicated cases**  
*M. Zagari, S. Zagari (Catania)*
- 5' DALK layer by layer**  
*J. Santos Paranhos (Brazil)*

# POSTERS

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## Poster Area



Poster presentation is scheduled  
on Thursday 27th from 16.30 to 17.30

Poster authors are kindly requested to stand next  
to their poster during this time in order to answer  
to possible questions, especially for those who are  
candidates for the S.I.C.S.S.O. awards.

**AWARDS COMMITTEE: W. Lisch (Germany), F. Passani  
(Carrara, MS), D. H. Scorsetti (Argentina), J. S. Weiss (USA)**

- 1) **Autologous serum in neurotrophic keratopathy management, 1 year follow up**  
 *S. A. Bagaglia (Siena), S. Zuccarini, A. Crisà (Florence), F. Martino, C. Mazzotta (Siena)*
- 2) **In vivo confocal microscopy and as-oct evalutatioes of corneal neurotization in neurotrophik ulcer by one stage technique in combination with facial reanimation with second division of trigeminal nerve, 2 years follow up**  
 *S. A. Bagaglia, P. Gennaro (Siena)*
- 3) **Vitamin A deficiency: so simple, so dramatic**  
 *M. Bertolotto (Novi Ligure, Casale Monferrato, AL), D. Rolle, L. Landi, E. Contini, I. Scatassi, D. Contursi, G. Casu, L. Zucca, M. Fioretto (Casale Monferrato, AL)*
- 4) **Penetrating keratoplasty: an obsolete procedure?**  
 *G. L. Biletta, L. Dallorto, R. Orsi (Aosta)*
- 5) **Acute endophthalmitis post dsaek from enterococcus faecium**  
 *E. Contini, M. Orione (Casale Monferrato, AL), G. Grandi (Turin), D. Rolle, R. Cipriani (Turin), M. Fioretto (Casale Monferrato, AL)*
- 6) **Corneal Melting after Collagen Cross-Linking for Keratoconus in Patient underwent Varicella revaccination: A Case Report**  
 *D. Dementiev, A. Shipunova, V. Veshchikova, A. Drakon (Russia)*
- 7) **Bacterial Isolates and Antimicrobial Susceptibility Pattern of Microbial Keratitis at a Tertiary Referral Hospital in the South of Italy: a Retrospective Study**  
 *F. D'Oria, S. Guerriero, T. Rizzo, R. A. Monno, A. Di Caro, G. Alessio (Bari)*
- 8) **Comparative TEM Morphological and Proliferative studies on ex vivo (culture) AKU human anterior lens epithelial cells**  
 *M. V. Greco, G. Greco, L. Millucci, A. Santucci (Siena)*
- 9) **Evaluation of epithelial thickness map in keratoconus with two different technologies: Precisio (Ligi) vs MS 39 (CSO)**  
 *A. Imburgia, E. B. Marcheggiani, C. Paci, R. Giorgetti, V. Ravagli, A. Mularoni (Rep. of San Marino)*

- 10) Evaluation of conjunctival healing with confocal microscopy after pterygium surgery**

 *K. Mularoni, L. Rania, A. Imburgia, L. Bacciocchi, F. Gaudenzi, A. Mularoni (Rep. of San Marino)*
- 11) Corneal ultrastructural modifications after therapy with Cenegermin eye drops for the treatment of moderate-severe neurotrophic keratopathy**

 *E. Forbice, L. Napoli, F. Semeraro (Brescia)*
- 12) New customized rings for corneal regularization in corneal ectasia: long-term results**

 *L. Rania, E. B. Marcheggiani, V. Ravagli, G. Mussoni, A. Mularoni (Rep. of San Marino)*
- 13) Regeneration and functional reactivation of corneal nerves: new therapeutic opportunities**

 *R. Spinetta, R. Nuzzi (Turin)*
- 14) Femtosecond laser-assisted Keratomy for postKeratoplasmy astigmatism correction: a predictive regression algorithm based on vector analysis.**

 *M. E. Toro, L. Mosca, L. Guccione, U. De Vico (Rome), O. Caporossi (Prato), R. Fasciani, A. Caporossi (Rome)*
- 15) Comparison of different suture techniques in Penetrating Keratoplasty: a report of our experience**

 *F. Tridico, R. Nuzzi (Turin)*
- 16) Pre and Post-Operative Subconjunctival Bevacizumab Injections for preventing primary Pterygium recurrence. Report on our experience**

 *F. Tridico, R. Nuzzi (Turin)*
- 17) Long-Term follow up for corneal neovascularization treated with bevacizumab intrastromal injections before high risk penetrating keratoplasty**

 *P. Ducange, T. Verdina, C. Peppoloni, M. C. Bigliardi, G. M. Cavallini (Modena)*
- 18) Reducing Invasiveness in the Treatment for Highly Irregular Corneas: Sequential Customized Therapeutic Keratectomy**

 *R. Vinciguerra (UK), F. Camesasca, P. Vinciguerra (Milan)*

**19) A proposal for reconstruction the inferior eyelid posterior lamella with INTEGRA®: a case report**



*L. Arturi, D. Turco, V. Belcastro, C. Panico (Turin)*

**20) Corneal Sheimpflug camera evaluation in patients affected by cystinosis. Preliminary data**



*L. Buzzonetti, M. Federici (Rome)*

**21) Corneal burn management in pediatric patient: case report**



*L. Buzzonetti, M. Federici (Rome)*



**Candidates for S.I.C.S.S.O. Award contest  
for ophthalmologists under 40**

**22) Iontophoresis epithelium-off corneal cross-linking for progressive keratoconus: preliminary results**

*A. Laborante, M. Colasante, G. D'Amato, E. Mazzilli (San Giovanni Rotondo, FG)*

**23) Descemet's Membrane Endothelial Keratoplasty: clinical results and graft survival during a surgical learning curve of "no-touch" technique**

*T. N. Castro, J. Fagundes, D. Antunes (Brazil)*

**24) Long term results of preconditioning treatment with bevacizumab in high risk patients**

*A. Caristia, R. Fasciani, L. Mosca, A. Caporossi (Rome)*

**25) The role of ozone delivered by liposomes in the therapy of infectious and skin-regenerating ocular surface**

*G. Carlini (Naples), A. Cutarelli, F. Garofalo, L. Biondi (Portici, NA),  
L. Altucci, A. Nebbioso, F. Sarno, F. Corrado (Naples)*

**26) UT-DSAEK in an aphakic patient affected by bullous keratopathy: which is the safe procedure?**

*A. M. Comoli, V. Belloli (Borgomanero, NO)*

- 27) Efficiency of a disposable glass canula for graft injection during DMEK**  
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