

1st JOINT
INTERNATIONAL CONGRESS
Refr@ctive.online and SICSSO
www.ROLANDSICSSO.org

XI CONGRESSO NAZIONALE REFRACTIVE ONLINE
X CONGRESSO NAZIONALE SICSSO

GROSSETO, ITALY
July 7-9, 2011

FINAL PROGRAM

TRADUZIONE SIMULTANEA
INGLESE  ITALIANO

1st JOINT INTERNATIONAL CONGRESS Refr@ctive.online and SICSSO

INTERNATIONAL ATTENDING SPEAKERS

Khaled-A. Abdelrahman Egypt
Bruce Allan UK
Anas A. Anbari Syria
Amhed Assaf Egypt
Micheal Belin USA
Philip Buscemi USA
Joo Choun-Ki Korea
Low Cze Hong Rep. of Singapore
Daniel Epstein Switzerland
Beatrice Frueh Switzerland
Tamer O. Gamaly Oman

Zisis Gatziofias Germany
David Glasser USA
Sinan Goker Turkey
José Luis Güell Spain
Farhad Hafezi Switzerland
Islam M. Hamdi Saudi Arabia
Seyed J. Hashemian Iran
Osama Ibrahim Egypt
John Kanellopoulos USA
Omid Kermani Germany
Stephen D. Klyce USA

Dongho Lee South Korea
Samuel Levinger Israel
Holger Lubatschowski Germany
Farooqui Mansoor Saudi Arabia
Marguerite McDonald USA
Erik L. Mertens Belgium
Zoltan Nagy Hungary
Frederik J. Potgieter South Africa
Dan Reinstein UK
Sven Reisdorf Germany
Cynthia Roberts USA

Robert Schultze USA
Walter Stark USA
Aleksandar Stojanovic Norway
Juntaro Sugita Japan
Gustavo Tamayo Colombia
Larry N. Thibos USA
William B. Trattler USA
Scott Wagenberg USA
Elias Warrak Lebanon
Steven E. Wilson USA

ITALIAN ATTENDING SPEAKERS

Elena Albè
Giovanni Alessio
Emma Amasio Bartoli
Rossella Appolloni
Pasquale Aragona
Marco Azzolini
Federico Badalà
Lelio Baldeschi
Alessandra Balestrazzi
Stefano Barabino
Gaetano Barbaro
Giuseppe Battiloro
Andrea Bedei
Roberto Bellucci
Bernardo Billi
Paolo Bonci
Vittorio Bongiorno
Stefano Bonini
Marco Borgioli
Giulia Borsari
Francesco Boscia
Paolo Brusini
Patrizia Busatto
Luca Buzzonetti
Roberta Calienno
Antonio Calossi
Fabrizio Camesasca
Marino Campanelli
Emilio C. Campos
Giancarlo Caprioglio
Giuseppe Carlevaro
Ciro Caruso
Maria C. Casella
Stefano Cavazza
Luciano Cerulli
Michele Cervellino

Salvatore Cillino
Giovanni Citroni
Pasquale Cocca
Magdalena Cortés
Angela P. D'Aurelio
Maddalena De Bernardo
Luca De Carlo
Alessio Delfino
David Di Cave
Daniela Dolcino
Fabio Dossi
Roberto Dossi
Pietro Dicoli
Marco Fantozzi
Paolo Fogagnolo
Cesare Forlini
Alessandro Franchini
Paolo Frezzotti
Giovanni Frongia
Giovanna Gabbriellini
Caterina Gagliano
Otello Gallo
Luca Giovannini
Alfredo Greco
Giuseppe Greco
Luca Gualdi
Claudio Iacobucci
Michele Lanza
Manuela Lanzini
Marco Leozappa
Carlo Lovisolo
Saverio V. Luccarelli
Giorgio Marchini
Marco Marengo
Leonardo Mastropasqua
Vincenzo Maurino

Danilo Mazzacane
Luca Menabuoni
Rita Mencucci
Tommaso Micelli-Ferrari
Paolo Michieletto
Stefano Miglior
Miroslav Kacerik
Alberto Montericchio
Augusto Morocutti
Simonetta Morselli
Luca Mosca
Luigi Mosca
Mario Motta
Eduardo Motolese
Alessandro Mularoni
Vincenzo Napoli
Marco Nardi
Piergiorgio Neri
Francesco Nizzola
Mario Nubile
Paolo Nucci
Vincenzo Orfeo
Nicola Orzalesi
Luigi Pacente
Franco Passani
Mattia Passilongo
Emilio Pedrotti
Graziella Pellegrini
Roberto Pinelli
Matteo Piovella
Augusto Pocobelli
Ennio Polito
Diego Ponzin
Maria G. Quaranta
Luciano Quaranta
Vincenzo Ramovecchi

Michele Reibaldi
Maurizio Rolando
Nicola Rosa
Pietro Rosetta
Scipione Rossi
Anna Roszkowska
Matteo Sacchi
Letizia Salvatà
Paolo Santoro
Severino Santoro
Vincenzo Sarnicola
Claudio Savaresi
Silvio Savastano
Patrizia Scaroni
Giuseppe Sciuto
Vincenzo Scoria
Sebastiano Serrao
Leopoldo Spadea
Cristina Sparagna
Edoardo Stagni
Patricia Toro
Ingrid Torres Munoz
Pasquale Troiano
Salvatore Troisi
Giuseppe Valentini
Davide Venzano
Sandro Vergani
Piera Versura
Michele Vetrugno
Carlo M. Villani
Edoardo Villani
Paolo Vinciguerra
Monia Zurria

1st JOINT INTERNATIONAL CONGRESS

Refr@ctive.online and SICSSO

GENERAL INFORMATION

VENUE:

S.P. 158 delle Collacchie, 465
Hotel Fattoria La Principina
58100 Grosseto, Italy
Tel. +39 0564 44141

SCIENTIFIC SECRETARIAT:

Fabrizio Camesasca, MD
Istituto Clinico Humanitas, Milano - Italy
Email: info@rolandsicssso.org

ORGANIZING SECRETARIAT:

Refr@ctive.online and SICSSO, c/o Silmaris
Via Ciro Menotti, 47
58100 Grosseto, Italy
Tel: +39 06 99268235
Fax: +39 06 99367548
Email: info@rolandsicssso.org
Web: www.rolandsicssso.org

INSURANCE:

Delegates are advised to take out travel insurance to cover medical expenses, accidents, loss, etc.
Organizers will not be liable for injuries, damage or loss of participants' properties.

OFFICIAL LANGUAGE:

The official language of the Congress is English.
Italian <-> English simultaneous translation will be available in both Room 1 and Room 2.

VISA/PASSPORT:

All participants from abroad shall have valid passports.
All participants who may require visas are asked to contact the Italian Embassy in their country. Without a timely visa application (at least 1 month before the Congress) submitted at a Italian Embassy responsible for your country, it will not be possible to issue a visa.

WEATHER CONDITIONS:

In July the weather conditions in Tuscany, Italy are hot and sunny. Expected temperatures range from, 20°C to 30°C.

CURRENCY:

The official currency of the Congress is Euro.

IDENTIFICATION OF PARTICIPANTS:

Attendance of the Congress and related activities will be possible only with the official identification badge.

VOLTAGE SOURCE:

It is possible to use all electric devices using voltage of 220V.

REGISTRATION DESK:

All participants will receive their Congress pack at the registration desk.

The opening hours of the registration desk:

Wednesday 6 th July	17.00 – 19.00
Thursday 7 th July	08.30 – 18.30
Friday 8 th July	08.30 – 18.30
Saturday 9 th July	08.30 – 13.00

EXHIBITION:

The congress is accompanied by a commercial exhibition which is open as follows:

Thursday 7 th July	09.00 – 18.00
Friday 8 th July	09.00 – 18.00
Saturday 9 th July	09.00 – 13.00

ECM:

The congress is accredited by ECM/CME.

CELLULAR PHONES:

Cellular phones must be switched off during all sessions.

7

THURSDAY

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
08.30			COURSE 1 - ITALIAN ONLY	COURSE 2 - ITALIAN ONLY
09.00			TERAPIA ANTIGLAUCOMATOSA	
09.30	 KERATOPLASTY I	 OCULAR SURFACE AND CORNEAL PHYSIOPATHOLOGY I	 COURSE 3 - ITALIAN ONLY	 WET LAB (DALK, DSAEK, M.A.)
10.00			RIPERCUSSIONI DELLA PATOLOGIA	
10.30			E CHIRURGIA ORBITARIA E	
			PALPEBRALE SULLA SUPERFICIE OCULARE	
11.00	BREAK			
11.30			COURSE 4	
12.00	 KERATOPLASTY II	 CROSS-LINKING & ECTASIA I	 SCHEIMPFLUG-BASED CORNEAL TOMOGRAPHY	
12.30				
13.00	BREAK			
13.30			COURSE 5 - ENGLISH ONLY	
14.00			ADVANCED COURSE	
14.30	 OCULAR SURFACE AND CORNEAL PHYSIOPATHOLOGY II	 REFRACTIVE SURGERY I	 IN REFRACTIVE SURGERY	
15.00			COURSE 6 - ITALIAN ONLY	
15.30			VADEMECUM DELL'OCULISTA	
16.00			AMBULATORIALE	
16.30	BREAK			
17.00	 DIAGNOSTICS	 REFRACTIVE SURGERY II		
17.30				
18.00				
18.30				

8

FRIDAY

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
08.30			COURSE 7	COURSE 12 - ITALIAN ONLY
09.00	 KERATOPLASTY III	 PREMIUM IOLS & CATARACT SURGERY I	 BASIC CROSS-LINKING	 WET LAB (DALK, DSAEK, M.A.)
09.30				
10.00	OFFICIAL WELCOME - ROOM 1			
10.30	BREAK			
11.00			ITALIAN ONLY	
11.30	 REFRACTIVE SURGERY III	 LIVE EVALUATION OF DIFFICULT CASES	 SUPERFICIE OCULARE E FISIOPATOLOGIA CORNEALE III	
12.00			COURSE 9 - ITALIAN ONLY	
12.30			APPROCCIO MININVASIVO	
13.00			ALLA CHIRURGIA DEL SEGMENTO	
			ANTERIORE E TERAPIA FARMACOLOGICA	
13.30	BREAK	COURSE 10 - ITALIAN ONLY	BREAK	
14.00		LA VALUTAZIONE PER LA PATENTE AUTO OGGI		
14.30	 PREMIUM IOLS & CATARACT SURGERY II	 KERATOPLASTY IV	 COURSE 11	ITALIAN ONLY
15.00			TOPOABERROMETRY & MYSTERY	NURSES SESSION
15.30				
16.00	BREAK			
16.30			WORKSHOP	COURSE 8 - ITALIAN ONLY
17.00	 CROSS-LINKING & ECTASIA II	 OCULAR SURFACE AND CORNEAL PHYSIOPATHOLOGY IV	 NOVITÀ IN AMBITO DIAGNOSTICO E TERAPEUTICO PER IL GLAUCOMA	 INNOVAZIONE NELLA TERAPIA DELLE ALTERAZIONI DELLA SUPERFICIE OCULARE
17.30				
18.00				

9

SATURDAY

	ROOM 1	ROOM 2	ROOM 3
08.30			COURSE 13
09.00	 PREMIUM IOLS & CATARACT SURGERY III	 CROSS-LINKING & ECTASIA III	 ADVANCED CROSS-LINKING
09.30			
10.00			
10.30	BREAK		
11.00			
11.30	 ISRS SYMPOSIUM		
12.00			
12.30			
13.00			
13.30			

Key:

-  Session - Room 1
-  Session - Room 2
-  Session - Room 3
-  Session - Room 4
-  Course
-  Italian Language
-  English Language
-  Translation

THURSDAY 7 JULY

ROOM 1

08.30 OPENING REMARKS

Paolo Vinciguerra - Vincenzo Sarnicola

KERATOPLASTY I



08.40 - 10.30

Chairman: *G. Caprioglio (Italy)*

Moderators: *R. Appolloni (Italy), M. Motta (Italy)*

D. Glasser (USA), S. Serrao (Italy)

08.40 *Federico Badalà (Milano - Italy)*

Early outcomes of endothelial keratoplasty with the neusidl corneal inserter

08.50 *Augusto Pocobelli (Roma - Italy)*

Descemet Stripping Automated Endothelial Keratoplasty (DSAEK) using thin pre-cut donor tissues: comparison between microkeratome and femtosecond laser

08.56 *Paolo Bonci (Ravenna - Italy)*

Keratoplasty in "difficult" cases

09.06 *Vincenzo Sarnicola (Grosseto - Italy)*

DSAEK: Graft insertion by sutures: up date results

09.16 *David Glasser (Detroit - USA)*

Cell loss and graft survival after penetrating and endothelial keratoplasty

09.26 *Khaled-Ahmed Abdelrahman (Cairo - Egypt)*

Femtosecond laser-assisted posterior keratoplasty

09.32 *Sebastiano Serrao (Roma - Italy)*

One-year corneal analysis following Descemet Stripping Automated Endothelial Keratoplasty (DSAEK) triple procedure

09.38 *Emilio Pedrotti (Vicenza - Italy)*

Effect of lamellar graft thickness on the anatomical and functional outcomes in DSEK patients

09.44 *Diego Ponzin (Padova - Italy)*

Donor tissue preparation for Descemet membrane Endothelial Keratoplasty

09.50 *Mario Nubile (Chieti - Italy)*

Ultra-thin femtosecond laser-assisted Descemet stripping endothelial keratoplasty (FSL-DSEK)

09.56 *Scott Wagenberg (Cleveland - USA)*

Effect of donor lenticule thickness on visual acuity and endothelial survival in DSAEK

10.02 *Vincenzo Scorgia (Catanzaro - Italy)*

Survival of "Mushroom" keratoplasty performed in corneas with post-infectious vascularized scars

10.08 *Luca Gualdi (Roma - Italy)*

Intracorneal ring perforation into anterior chamber in a keratoconus patient

10.14 *Luigi Mosca (Roma - Italy)*

Unusual surgical application of corneal graft after removal of anterior ocular neoforations

10.17 *Luca De Carlo (Roma - Italy)*

Double anterior chamber after DALK using big-bubble technique for treatment of corneal stromal opacities and corneal dystrophies

DISCUSSION

BREAK

KERATOPLASTY II



10.30 - 13.00

Chairman: *P. Ducoli (Italy)*

Moderator: *B. Billi (Italy), V. Bongiorno (Italy),*

G. Marchini (Italy), A. Pocobelli (Italy)

10.30 *Giuseppe Carlevaro (Monza - Italy)*

DSAEK in vitrectomized patients

10.36 *Khaled-Ahmed Abdelrahman (Cairo - Egypt)*

Sodium hyaluronate-assisted closed deep lamellar keratoplasty

10.42 *Islam M. Hamdi (Jeddah - Saudi Arabia)*

Deep anterior lamellar keratoplasty (fluid dissection technique) versus Penetrating keratoplasty in keratoconus

10.52 *Giorgio Marchini (Verona - Italy)*

Comparison between Deep Anterior Lamellar Keratoplasty and Penetrating Keratoplasty for the keratoconus treatment: a fellow eyes' study

THURSDAY 7 JULY

ROOM 1

- 11.02 *Patricia Toro (Grosseto - Italy)*
DALEK in Herpes corneal opacities
- 11.12 *Marino Campanelli (Milano - Italy)*
Eye Bank pre-clinical study of endothelial features after posterior lamellar pre-cut performed with two different microkeratome devices
- 11.18 *Luca Buzzonetti (Roma - Italy)*
Comparison between two techniques of lamellar keratoplasty assisted by IntraLase femtosecond laser in pediatrics. One year follow-up
- 11.24 *Augusto Pocobelli (Roma - Italy)*
The clinical outcome of the ultra-thin descemet's stripping automated endothelial keratoplasty
- 11.30 *Vincenzo Ramovecchi (Macerata - Italy)*
DSAEK: personal technique
- 11.36 *Luca Menabuoni (Firenze - Italy)*
Laser welding in femtosecond laser-assisted keratoplasty
- 11.42 *Frederik J. Potgieter (Pretoria - South Africa)*
Mushroom keratoplasty: indications, surgical technique and pitfalls
- 11.52 *Letizia Salvat (Udine - Italy)*
Corneal wavefront analysis: comparison between penetrating keratoplasty and automated-lamellar-therapeutic-keratoplasty in keratoconus patients
- 11.58 *Frederik J. Potgieter (Pretoria - South Africa)*
Mushroom keratoplasty: outcome parameters and complications
- 12.04 *Davide Venzano (Genova - Italy)*
Triple procedure: phaco + iol + DMEK
- 12.10 *Luigi Mosca (Roma - Italy)*
Femtosecond laser assisted deep anterior lamellar keratoplasty: two years follow-up
- 12.16 *Amhed Assaf (Cairo - Egypt)*
Phakic IOL and Athens protocol for management of keratoconus and post LASIK ectasia

- 12.22 *Andrea Bedei (Lucca - Italy)*
Experienced with keratoprosthesis
- 12.28 *Claudio Iacobucci (Campobasso - Italy)*
Perforating keratoplasty following lamellar tectonic keratoplasty in case of caustic leucoma

DISCUSSION

BREAK

OCULAR SURFACE AND CORNEAL PHYSIOPATHOLOGY II



14.00 - 16.00

Chairman: *S. Bonini (Italy)*
 Moderators: *M. Nubile (Italy), P. Frezzotti (Italy), S. E. Wilson (USA), A. Montericchio (Italy)*

- 14.00 *Maurizio Rolando (Genova - Italy)*
Profile of patients with tear dysfunction
- 14.10 *Piergiorgio Neri (Ancona - Italy)*
Dynamic treatment of tear dysfunctions
- 14.20 *Steven E. Wilson (Cleveland - USA)*
Histopathological analysis of inflammation and stromal cell death after insertion of the Acufocus ACI 7000 lens in a rabbit model
- 14.30 *Alberto Montericchio (Trapani - Italy)*
Therapeutic contact lenses and ocular surface
- 14.40 *Matteo Sacchi (Milano - Italy)*
Surgical management of severe corneal involvement due to untreated congenital upper eyelid coloboma in pediatric patient
- 14.46 *Edoardo Villani (Milano - Italy)*
In-vivo confocal microscopy of meibomian glands in Sjogren's syndrome
- 14.52 *Diego Ponzin (Padova - Italy)*
Ocular manifestations in patients with EEC-syndrome: what do we know and how can we treat?

THURSDAY 7 JULY

ROOM 1

- 14.58 *Alberto Montericchio (Trapani - Italy)*
Update on surgical treatment of pterygium
- 15.04 *David Glasser (Detroit - USA)*
Management of ocular herpes infections: HSV and VZV
- 15.10 *Matteo Sacchi (Milano - Italy)*
Surgical management of severe keratopathy due to upper eyelid entropion in four years old child with Hallermann-Streiff syndrome
- 15.16 *Edoardo Villani (Milano - Italy)*
Corneal Involvement in Graves' Orbitopathy: an in-vivo confocal study syndrome
- 15.22 *Tommaso Micelli Ferrari (Bari - Italy)*
Assessment of the efficacy of 5% sodium chloride eye drops in the treatment of corneal edema after cataract surgery
- 15.28 *Pasquale Aragona (Messina - Italy)*
Clinical effects of a cationic tear substitute in mild to moderate Dry-Eye and post refractive surgery

DISCUSSION

BREAK

DIAGNOSTICS



16.30 - 18.30

Chairman: M. Belin (USA)

Moderators: F. Camesasca (Italy), M. Nubile (Italy),
M. G. Quaranta (Italy), S. Reisdorf (Germany)

- 16.30 *Paolo Vinciguerra (Milano - Italy)*
Corvis: a new tool for evaluating cornea
- 16.40 *Cynthia Roberts (Columbus - USA)*
Prediction of corneal deformation as a function of intraocular pressure, biomechanical properties, thickness and curvature
- 16.50 *Michael Belin (Marana - USA)*
Customized normal values for corneal elevation in subjects by a rotating Scheimpflug camera

- 17.00 *Sven Reisdorf (Germany)*
The Pentacam - innovative diagnostics for refractive surgery
- 17.10 *Michael Belin (Marana - USA)*
New parameters for the Belin/Ambrosio enhanced ectasia display and improved ROC curves
- 17.20 *Stephen D. Klyce (New York - USA)*
Corneal tomography vs OCT vs ultrasound - what do we need, what can it tell us?
- 17.30 *Holger Lubatschowski (Hannover - Germany)*
OCT controlled fs-laser preparation of corneal transplants
- 17.40 *Patrizia Scaroni (Parma - Italy)*
Tomey Casia: a high-speed anterior segment spectral-domain OCT providing both detailed morphology and reliable topography
- 17.50 *Elena Albè (Milano - Italy)*
ORA for the diagnosis of keratoconus
- 17.56 *Michele Reibaldi (Catania - Italy)*
ORA assessment of biomechanical corneal parameters and IOP in keratoconus patients
- 18.02 *Larry N. Thibos (Bloomington - USA)*
Measuring light scatter during tear break-up with a Shack-Hartmann wavefront aberrometer
- 18.08 *Seyed Javad Hashemian (Tehran - Iran)*
Direct measurement of the ciliary sulcus diameter by ultrasound biomicroscopy and correlation with white to white measurement
- 18.14 *Paolo Vinciguerra (Milano - Italy)*
Topoaberrometry with Hartmann- Shack
- 18.20 *Saverio V. Luccarelli (Milano - Italy)*
Assessment of central corneal thickness in healthy eyes using anterior segment spectral domain optical coherence tomography, specular microscopy and ultrasound pachymetry
- 18.26 *Alessandro Mularoni (Bologna - Italy)*
Visiol, a viscoelastic with scavenger effect

DISCUSSION

THURSDAY 7 JULY

ROOM 2

OCULAR SURFACE AND CORNEAL PHYSIOPATHOLOGY I



08.40 - 10.30

Chairman: *M. Campanelli (Italy)*

Moderators: *L. Cerulli (Italy), G. Greco (Italy),
S. Bonini (Italy), S.D. Klyce (USA)*

08.40 *Alessio Delfino (Pavia - Italy)*

Dry eye syndrome – HRT (hormone replacement therapy) in menopause

08.46 *Caterina Gagliano (Gela - Italy)*

Treatment of dysfunctional tear syndrome: role of phytoestrogens

08.52 *Steven E. Wilson (Cleveland - USA)*

Corneal myofibroblast generation from bone marrow-derived cells

08.58 *Edoardo Villani (Milano - Italy)*

The ocular surface in Dry Eye: an in vivo integrated confocal study

09.06 *Pasquale Aragona (Messina - Italy)*

Effects of aminoacids enriched artificial tears on the ocular surface of patients affected by dysfunctional tear syndrome

09.12 *Stephen D. Klyce (New York - USA)*

Corneal biomechanics: another view

09.18 *William B. Truttler (Miami - USA)*

Incidence of concomitant cataract & dry eye: a prospective health assessment of cataract patients' ocular surface

09.24 *Luciano Cerulli (Roma - Italy)*

Autoserum treatment of surface keratopathy

09.34 *Stefano Barabino (Genova - Italy)*

A pilot double-masked clinical trial on the comparison of treatment with xiloal monodose or optive monodose in patients with dry eye syndrome

09.44 *Stefano Bonini (Roma - Italy)*

Diagnosis and treatment of non-infectious corneal ulcers

09.54 *Larry N. Thibos (Bloomington - USA)*

Optical and visual effects of tear film instability

10.04 *Alberto Montericchio (Trapani - Italy)*

Caustic lime injury and ocular surface reconstruction

10.10 *Emilio C. Campos (Bologna - Italy)*

Cord blood serum eye drops in the treatment of severe corneal epithelial disease in GVHD and SS patients

DISCUSSION

BREAK

CROSS-LINKING & ECTASIA I



11.00 - 13.00

Chairman: *C. Roberts (USA)*

Moderators: *W. Truttler (USA), O. Kermani (Germany),
P. Vinciguerra (Italy), A. Mularoni (Italy)*

11.00 *Cynthia Roberts (Columbus - USA)*

Prediction of biomechanical and topographic response after cornea collagen crosslinking

11.10 *Omid Kermani (Cologne - Germany)*

Focus on iatrogenic ectasia

11.20 *Scipione Rossi (Roma - Italy)*

Posterior corneal high order aberrations after corneal cross linking

11.30 *Luca Buzzonetti (Roma - Italy)*

Transepithelial corneal cross-linking in children. early results

11.40 *William B. Truttler (Miami - USA)*

Multicenter comparison of epithelial-on vs epithelial-off crosslinking

THURSDAY 7 JULY

ROOM 2

- 11.50 *Edoardo Stagni (Catania - Italy)*
Update of trans-epithelial corneal cross linking: what's new?
- 12.00 *Joo Choun-Ki (Seoul-Korea)*
The clinical results of intrastromal corneal ring segment implantation in keratectasia patients
- 12.10 *Maddalena De Bernardo (Sorrento - Italy)*
Evaluation of corneal biomechanical properties before and after corneal crosslinking
- 12.16 *Pietro Rosetta (Milano - Italy)*
Efficacy of corneal cross-linking (CXL) in the treatment of corneal melting complicated by very low pachymetry values
- 12.22 *Michele Cervellino (Potenza - Italy)*
Efficacy of transepithelial cross-linking (CXL-TE): our experience
- 12.28 *Alessandro Mularoni (Bologna - Italy)*
Combined treatment ICRs and transepithelial cross linking in keratoconic eyes: preliminary results
- 12.32 *Eduardo Motolese (Siena - Italy)*
Cross-Linking treatment in special cases
- 12.38 *Ciro Caruso (Napoli - Italy)*
Trans-epithelial cross-linking with riboflavin solution: one - year clinical results
- 12.44 *Khaled-Ahmed Abdelrahman (Cairo - Egypt)*
Evidence of improved vision and decreased keratometry in keratoconus after collagen cross linking at 12 months follow up

DISCUSSION

BREAK

REFRACTIVE SURGERY I



14.00 - 16.00

Chairman: M. McDonald (USA)

Moderators: S. Wilson (USA), E. Albè (Italy), B. Allan (UK), G. Tamayo (Colombia)

- 14.00 *Dongho Lee (Seoul - South Korea)*
Long term follow of PRK with intraoperative Mitomycin-C - updated confocal microscopic examination results
- 14.10 *Mansoor Farooqui (Riyadh - Saudi Arabia)*
Serous Detachment of Retina in Patients following Laser in situ Keratomileusis: case report
- 14.20 *Tamer O. Gamaly (Muscat - Oman)*
OPD CATz LASIK for the treatment of compound myopic astigmatism
- 14.30 *Bruce Allan (London - UK)*
Multiple regression analysis in wavefront LASIK nomogram development
- 14.40 *Dongho Lee (Seoul - South Korea)*
Multifocal cornea for the treatment of presbyopia
- 14.46 *Sinan Goker (Istanbul - Turkey)*
SUPRACOR; new presbyopia treatment with Technolas 217p
- 14.52 *Michele Lanza (Napoli - Italy)*
Evaluation of corneal biomechanical properties before and after photorefractive keratectomy
- 14.58 *Francesco Nizzola (Modena - Italy)*
Predictability, efficacy, stability and safety of sub-bowman-keratomileusis with intralase
- 15.04 *Sebastiano Serrao (Roma - Italy)*
Long-term changes of the anterior cornea after photorefractive keratectomy for myopia and myopic astigmatism: corneal topography

THURSDAY 7 JULY

ROOM 2

- 15.10 *Marco Marengo (Roma - Italy)*
Efficacy of autologus serum eye drops in post PRK dry eye patients: a confocal microscopy study
- 15.16 *Marco Azzolini (Lecco - Italy)*
Long term comparison of tissue-saving versus conventional photorefractive keratectomy for high myopia
- 15.22 *Anna Roszkowska (Messina - Italy)*
Oral Aminoacids supplementation improves corneal reinnervation after refractive surgery
- 15.28 *Roberto Pinelli (Brescia - Italy)*
Presbyopic corneal curve of last generation (P-CURVE): concepts and long-term results
- 15.31 *Marco Fantozzi (Pistoia - Italy)*
FlexivueTM corneal inlay for the surgical correction of presbyopia
- 15.34 *Luca Mosca (Roma - Italy)*
Customized therapeutic ablation with a 1000 hz excimer laser after corneal surgery

DISCUSSION

BREAK

REFRACTIVE SURGERY II



16.30 - 18.00

Chairman: C. Roberts (USA)

Moderators: S. D. Klyce (USA), I. Torres Munoz (Italy), F. Camesasca (Italy), S. Levinger (Israel)

- 16.30 *Gustavo Tamayo (Bogota - Colombia)*
Treatment of presbyopia on the cornea: is it possible?
- 16.40 *Marguerite McDonald (New York - USA)*
Non-surgical approaches to the treatment of severe optical aberrations: do they work

- 16.50 *Tamer O. Gamaly (Muscat - Oman)*
Conventional, OATz, and OPDCAT LASIK for the treatment of high astigmatism with the cross cylinder technique
- 16.56 *Francesco Boscia (Bari - Italy)*
Combined phakectomy and small-gauge vitrectomy for the correction of high myopia
- 17.02 *Eduardo Motolese (Siena - Italy)*
Problems with ocular surface after LASIK with femtosecond laser: our experience
- 17.08 *Emma Amasio Bartoli (Torino - Italy)*
Myopia correction and simultaneous presbyopia compensation using femtosecond laser technique
- 17.14 *Elias Warrak (Beirut - Lebanon)*
Photorefractive keratectomy in patients with keratoconus: 4 year follow up study
- 17.20 *Samuel Levinger (Jerusalem - Israel)*
Femtosecond laser-enabled astigmatic keratotomy for post-keratoplasty astigmatism
- 17.26 *Aleksandar Stojanovic (Tromsø - Norway)*
Topography- guided transepithelial surface ablation in treatment of visually disturbing irregular astigmatism and/or scattering after LASIK-flap complications
- 17.32 *Fabrizio Camesasca (Milano - Italy)*
The secrete weapon: smoothing after refractive surgery

DISCUSSION

THURSDAY 7 JULY

ROOM 3

Course 1 (FREE COURSE)

**TERAPIA ANTIGLAUCOMATOSA
E PATOLOGIA DELLA SUPERFICIE
OCULARE**

08.40 - 09.40

Direttore: S. Miglior (Italy)

Panel: P. Frezzotti (Italy), G. Marchini (Italy),
L. Quaranta (Italy)

Course 5 (FREE COURSE)

**ADVANCED COURSE IN
REFRACTIVE SURGERY**

14.00 - 15.00

Director: M. McDonald (USA)

Panel: S. D. Klyce (USA)

Course 3 (FREE COURSE)

**RIPERCUSSIONI DELLA PATOLOGIA
E CHIRURGIA ORBITARIA E
PALPEBRALE SULLA SUPERFICIE
OCULARE**

09.40 - 10.40

Direttore: E. Polito (Italy)

Panel: L. Baldeschi (Italy), G. Frongia (Italy),
S. Cavazza (Italy), C. Sparagna (Italy),
G. Borsari (Italy)

BREAK

Course 4 (FREE COURSE)

**SCHEIMPFLUG-BASED CORNEAL
TOMOGRAPHY**

11.00 - 12.20

Director: P. Vinciguerra (Italy)

Panel: M. Belin (USA)

BREAK

THURSDAY 7 JULY

ROOM 3

Course 6

(FREE COURSE)

**VADEMECUM DELL'OCULISTA
AMBULATORIALE**



17.00 - 18.00

Direttore: S. Santoro (Italy)

Moderatore: V. Orfeo (Italy)

*Panel: D. Mazzacane (Italy), S. Rossi (Italy),
P. Vinciguerra (Italy), P. Aragona (Italy)*

INTRODUZIONE

Daniilo Mazzacane (Pavia - Italy)

Scipione Rossi (Roma - Italy)

Cataract surgery

Paolo Vinciguerra (Milano - Italy)

Refractive surgery

Pasquale Aragona (Messina - Italy)

Ocular surface

DISCUSSIONE

THURSDAY 7 JULY

ROOM 4

Course 2 (FREE COURSE)

WET LAB (DALK, DSAEK, A. M.)

MAX 24 PARTICIPANTS

08.40 - 10.30

Director: D. Ponzin (Italy)

Panel: M. Nardi (Italy), A. Pocobelli (Italy), V. Sarnicola (Italy), P. Toro (Italy), V. Scorcio (Italy), G. Marchini (Italy), P. Vinciguerra (Italy), E. Pedrotti (Italy)

FRIDAY 8 JULY

ROOM 1

KERATOPLASTY III



08.30 - 10.00

Chairman: D. Glasser (USA)

Moderators: L. Mastropasqua (Italy), E. Motolese (Italy),
W. B. Truttler (USA)

- 08.30 *Paolo Brusini (Udine - Italy)*
Automated-lamellar-therapeutic-keratoplasty
(ALK): a 8-year follow-up
- 08.40 *Leopoldo Spadea (Roma - Italy)*
Optical pachymetry guided customized corneal
lamellar transplantation with ultrafast excimer
laser for keratoconus
- 08.50 *William B. Truttler (Miami - USA)*
Management of acute hydrops with
intracameral placement of air/gas
- 09.00 *Juntaro Sugita (Tokyo - Japan)*
Hydrodelamination technique for DALK
- 09.10 *Vincenzo Sarnicola (Grosseto - Italy)*
DALK out of limits - Basic

DISCUSSION

- 09.35 *Vincenzo Sarnicola (Grosseto - Italy)*
DALK out of limits - Advanced

REFRACTIVE SURGERY III



11.00 - 13.00

Chairman: D. Epstein (Switzerland)

Moderators: C. Roberts (USA), F. Camesasca (Italy),
J. Kanellopoulos (USA)

- 11.00 *John Kanellopoulos (New York - USA)*
LASIK with the wavelight surgery
station: the 200kHz femtosecond
technology and the 500Hz
excimer laser. Initial clinical experience
- 11.10 *Daniel Epstein (Zurich - Switzerland)*
Intraoperative diagnostics in Cross-Linking
- 11.20 *Stephen D. Klyce (New York - USA)*
Corneal topography & refractive IOLs - what to
look for
- 11.30 *Paolo Vinciguerra (Milano - Italy)*
Corneal curvature gradient
- 11.40 *Gustavo Tamayo (Bogota - Colombia)*
Long term results of surface excimer laser
ablation for the treatment of keratoconus
- 11.50 *Leonardo Mastropasqua (Chieti - Italy)*
Refractive lenticule extraction with femtosecond
laser (FLEX): changes of corneal geometry and
morphology
- 12.00 *Paolo Vinciguerra (Milano - Italy)*
How to plan and perform a custom ablation
- 12.10 *William B. Truttler (Miami - USA)*
Evaluating the controversy of LASIK in eyes with
thin corneas
- 12.16 *Marco Borgioli (Macerata - Italy)*
Technolas perfectvision platform: corneal
treatment of presbiopia

OFFICIAL WELCOME - ROOM 1

ROLANDSICSSO AWARDS CEREMONY
Presidents and representatives of societies



SOCIETÀ OTTALMOLOGICA ITALIANA



Refr@ctive.on-line

BREAK

FRIDAY 8 JULY

ROOM 1

12.22 *Seyed J. Hashemian (Theran - Iran)*
Comparison of visual and refractive outcomes of static and dynamic rotational eye tracking during wave front guided LASEK treatment of myopic astigmatism

12.28 *Tamer O. Gamaly (Muscat - Oman)*
Femtosecond laser astigmatic keratotomy in post penetrating keratoplasty

DISCUSSION

BREAK

PREMIUM IOLS & CATARACT SURGERY II

14.00 - 16.00

Chairman: O. Kermani (Germany)

Moderators: M. Piovella (Italy), R. Bellucci (Italy), W. Stark (USA)

14.00 *O. Kermani (Cologne - Germany)*
Surgical guidance for premium IOL implantation

14.10 *Matteo Piovella (Monza - Italy)*
Synchrony dual-optic accommodating IOL: surgical technique update and clinical results

14.20 *Walter Stark (Baltimore - USA)*
Management of Fuchs Dystrophy and Cataract

14.30 *Fabrizio Camesasca (Milano - Italy)*
Evaluation of ocular high order aberrations after implantation of SN60WF, an aspheric IOL

14.40 *Paolo Vinciguerra (Milano - Italy)*
Cachet multifocal IOL: one-year results

14.50 *John Kanellopoulos (New York - USA)*
Phakic foldable, Intraocular lens implantation for the visual rehabilitation of residual significant anisometropia following the stabilization of keratoconus with the Athens Protocol (topo-guided PRK and CXL)

15.00 *Mansoor Farooqui (Riyadh - Saudi Arabia)*
Multifocal intraocular lenses earning physician's and patient's confidence: my early experience with multifocal intraocular lenses

15.10 *Simonetta Morselli (Verona - Italy)*
Visual outcomes and aberrometric analysis in eyes implanted with Acrysof® phakic angle-supported IOLs

15.16 *Matteo Piovella (Monza - Italy)*
How to seal clear cornea incisions after cataract surgery: the role of a liquid ocular bandage

15.22 *Omid Kermani (Cologne - Germany)*
Correction of compound refractive errors by RLE and implantation of diffractive, multifocal and torical IOL

15.28 *Giovanni Citroni (Brescia - Italy)*
Multifocal presbyopia correction with presbytec Gauss excimer laser

15.32 *Maria Grazia Quaranta (Milano - Italy)*
A new software for IOL calculation

DISCUSSION

BREAK

CROSS-LINKING & ECTASIA II

16.30 - 18.00

Chairman: J. L. Güell (Spain)

Moderators: C. Roberts (USA), F. Hafezi (Switzerland), S. Wilson (USA), P. Vinciguerra (Italy)

16.30 *Cynthia Roberts (Columbus - USA)*
Biomechanical decompensation in keratoconus: a new theory

16.40 *Steven E. Wilson (Cleveland - USA)*
Cellular wound healing effects of riboflavin-ultraviolet-A collagen cross-linking in rabbit corneas

FRIDAY 8 JULY

ROOM 1

- 16.50 *Paolo Vinciguerra (Milano - Italy)*
Cross-Linking: long-term outcomes and age groups
- 17.00 *Farhad Hafezi (Zurich - Switzerland)*
Limitation of collagen cross-linking with hypoosmolar riboflavin solution: failure in an extremely thin cornea
- 17.10 *Paolo Vinciguerra (Milano - Italy)*
Newest applications of transepithelial cross-linking. Is it comparable with the dresden protocol?
- 17.20 *José Luis Güell (Barcelona - Spain)*
CXL+ICRS and Toric Artiflex implantation in the management of Keratoconus
- 17.30 *Osama Ibrahim (Alexandria - Egypt)*
Evaluation of the long term effects of corneal collagen cross-linking for corneal ectatic conditions: long term follow up
- 17.40 *Elena Albè (Milano - Italy)*
Cross-Linking in pediatric patients. Three-year results
- 17.46 *Fabrizio Camesasca (Milano - Italy)*
Cross-Linking for the treatment of post-refractive surgery ectasia. Three-year results
- 17.52 *Farhad Hafezi (Zurich - Switzerland)*
New CXL guidelines for adolescent keratoconus patients
- 17.58 *Beatrice Frueh (Bern - Switzerland)*
Cross-linking in young children with keratoconus

DISCUSSION

FRIDAY 8 JULY

ROOM 2

PREMIUM IOLS & CATARACT SURGERY I

08.30 - 10.00

Chairman: *W. Stark (USA)*

Moderators: *A. Franchini (Italy), V. Orfeo (Italy), S. Rossi (Italy)*

08.30 *Rita Mencucci (Firenze - Italy)*

Cataract and astigmatism correction: toric solution

08.36 *Carlo Lovisolo (Asti - Italy)*

The Epi.Lens. A new custom phakic IOL for extreme myopic and hyperopic corrections

08.42 *Patrizia Busatto (Trieste - Italy)*

Intraocular management of post penetrating keratoplastic astigmatism

08.48 *Paolo Michieletto (Roma - Italy)*

Toric lens implantation for the reduction of the high myopic astigmatism in patients with pellucid marginal degeneration

08.54 *Anas Anbari (Damascus - Syria)*

A review of retroiridis iris-claw aphakic intraocular lens implantation and results of ectopia lentis cases series

09.00 *Nicola Orzalesi (Milano - Italy)*

Low vision management with the IOL-Vip® system

09.06 *Matteo Piovella (Monza - Italy)*

Anesthesia management in cataract surgery: is intracameral anesthesia still necessary?

09.16 *Maria Caterina Cascella (Bari - Italy)*

Combined cataract and vitreoretinal surgery

09.22 *Walter Stark (Baltimore - USA)*

Management of Complicated Cataract and IOL complications

09.32 *Gustavo Tamayo (Bogota - Colombia)*

Improving refractive outcomes with wf ablations over a phakic IOL

09.38 *Zoltan Nagy (Budapest - Hungary)*

The comparison of manual and femtolaser capsulorhexis

DISCUSSION

OFFICIAL WELCOME - ROOM 1
ROLANDSICSSO AWARDS CEREMONY
PRESIDENTS AND REPRESENTATIVES OF
ESCRS, ISRS, SOI, SICSSO,
REFR@CTIVE.ON-LINE SOCIETIES

BREAK

LIVE EVALUATION OF DIFFICULT CASES

11.00 - 13.00

Chairman: *M. Belin (USA), J. L. Güell (Spain), D. Glasser (USA)*

Moderators: *V. Maurino (London)*

11.00 Clinical Case I

11.20 *Vincenzo Sarnicola (Grosseto - Italy)*

Long-term graft survival in deep anterior lamellar keratoplasty

11.30 Clinical Case II

11.50 *Miroslav Kacerik (Monza - Italy)*

Correction of astigmatism during cataract surgery: augmented relaxing incisions compared to toric intraocular lens

11.56 Clinical Case III

12.16 *Matteo Piovella (Monza - Italy)*

Advanced Cataract Surgery with Multifocal and Accommodative IOL Implantation

12.26 Clinical Case IV

12.46 *Cesare Forlini (Ravenna - Italy)*

The gold standard of secondary IOL implantation in the transconjunctival era

FRIDAY 8 JULY

ROOM 2

- 12.52 *Osama Ibrahim (Alexandria - Egypt)*
One year results of refractive lenticule extraction (ReLEx) for myopia and astigmatism using visumax femto second laser

Course 10 (FREE COURSE)

LA VALUTAZIONE PER LA PATENTE AUTO OGGI MAX 150 PARTICIPANTS

13.00 - 14.00

Direttore: A. Montericcio (Italy)

*Panel: A. Mocellin (Italy), M. Piovella (Italy),
P. Troiano (Italy)*

Matteo Piovella (Roma - Italy)

What the law says

Pasquale Troiano (Milano - Italy)

How to do the tests

Antonio Mocellin (Lecce - Italy)

What instruments to use

DISCUSSIONE E PROVE PRATICHE

BREAK

KERATOPLASTY IV

14.00 - 16.00

Chairman: L. Mastropasqua (Italy)

*Moderators: P. Troiano (Italy), V. Sarnicola (Italy),
D. Ponzin (Italy)*

- 14.00 *David Glasser (Detroit - USA)*
Corneal transplantation and risk of systemic disease transmission
- 14.10 *Zisis Gatzzioufas (Hamburg - Germany)*
Transplantation of individualized recipient-serum-adapted cornea (RSAC) in high-risk keratoplasty

- 14.20 *Khaled-Ahmed Abdelrahman (Cairo - Egypt)*
Autograft lamellar patch re-implantation to treat intra-operative iatrogenic central hole during deep lamellar keratoplasty
- 14.30 *Scott Wagenberg (Cleveland - USA)*
DSAEK combined with AMT for the treatment of long-standing pseudophakic bullous keratopathy with partial limbal stem cell deficiency
- 14.40 *Robert Schultze (New York - USA)*
Three year outcomes comparison of sequential and combined cataract and DSAEK surgery
- 14.50 *Diego Ponzin (Padova - Italy)*
Risk factors for graft failure after penetrating keratoplasty: 5 year follow-up from the Corneal Transplant Epidemiological Study. Cornea 2011
- 14.56 *Islam M. Hamdi (Jeddah - Saudi Arabia)*
Improving intra-corneal ring segments practice
- 15.02 *Marino Campanelli (Milano - Italy)*
Eye bank procedure for preparation of Autologous Serum Eye Drops (ASEs)
- 15.08 *Robert Schultze (New York - USA)*
Three-year endothelial cell survival after Descemet's Stripping Automated Endothelial Keratoplasty (DSAEK)
- 15.16 *Antonio Calossi (Cortado - Italy)*
Contact lenses post-corneal transplantation
- 15.22 *Cesare Forlini (Ravenna - Italy)*
The use of temporary keratoprosthesis in the pole to pole traumatology surgery
- 15.28 *Vincenzo Maurino (London - UK)*
Use of femtosecond laser in perforating and lamellar keratoplasty
- 15.34 *Samuel Levinger (Jerusalem - Israel)*
Femtosecond laser mushroom keratoplasty versus conventional corneal transplantation for keratoconus

FRIDAY 8 JULY

ROOM 2

- 15.40 *Giuseppe Sciuto (Mantova - Italy)*
Corneal transplantation and cosmetic IOL in traumatized patients

DISCUSSION

BREAK

OCULAR SURFACE AND CORNEAL PHYSIOPATHOLOGY IV



16.30 - 18.00

Chairman: C. M. Villani (Italy)

Moderators: P. Santoro (Italy), V. Napoli (Italy),
O. Gallo (Italy), R. Mencucci (Italy)

- 16.30 *Luca Giovannini (Pisa - Italy)*
A rational use of antibiotics in ophthalmology

- 16.40 *Vincenzo Sarnicola (Grosseto - Italy)*
Prevention of post-operative endophthalmitis:
is everything under control?

- 16.50 *Rita Mencucci (Firenze - Italy)*
Azithromycin: intrinsic cytotoxic effects on
corneal epithelial cells cultures

- 16.56 *Sebastiano Serrao (Roma - Italy)*
Influence of corneal biomechanical properties
on intraocular pressure differences between
the tonopachymeter NT530P and Goldmann
applanation tonometers

- 17.02 *Beatrice Frueh (Bern - Switzerland)*
Acanthamoeba keratitis

- 17.08 *David Di Cave (Roma - Italy)*
Genotype characterisation of acanthamoeba
isolates in ak patients from Italy

- 17.14 *Franco Passani (Carrara - Italy)*
Anterior segment injuries by lapideous material

- 17.20 *Paolo Fogagnolo (Milano - Italy)*
Evaluation of the effects of lipoic acid 0.1%,
aminoacids and hypromellose 0.3% ophthalmic
solution on ocular surface of diabetic patients

- 17.26 *Daniela Dolcino (Asti - Italy)*
Platelet lysate in ocular surface pathology

- 17.32 *Michele Vetrugno (Bari - Italy)*
Efficacy of Echinacea P. extract eye drops in
the treatment of ocular surface disorders in
glaucoma patients receiving chronic topical
pressure lowering therapy

- 17.38 *Giovanna Gabbriellini (Pisa - Italy)*
Topical cyclosporine 1.2% in the treatment
of Keratoconjunctivitis sicca in patients with
primary Sjögren's syndrome (pSS): an in vivo
confocal study

DISCUSSION

FRIDAY 8 JULY

ROOM 3

Course 7 (FREE COURSE)
BASIC CROSS-LINKING

08.30 - 10.00

Director: P. Vinciguerra (Italy)

Panel: E. Albè (Italy), F. Camesasca (Italy),
R. Mencucci (Italy), S. Rossi (Italy), R. Stagni (Italy)

Discussion: P. Rosetta (Italy)

OFFICIAL WELCOME - ROOM 1
ROLANDSICSSO AWARDS CEREMONY
PRESIDENTS AND REPRESENTATIVES OF
ESCRS, ISRS, SOI, SICSSO,
REFR@CTIVE.ON-LINE SOCIETIES

BREAK

**OCULAR SURFACE AND CORNEAL
PHYSIOPATHOLOGY III**



11.00 - 12.00

Chairman: S. Savastano (Italy)

Moderators: A. Morocutti (Italy), A. Greco (Italy),
G. Valentini (Italy), G. Alessio (Italy)

- 11.00 *Pasquale Aragona (Messina - Italy)*
Effect of steroidal treatment with 0.1%
clobetasone butyrate on signs and symptoms in
dry eye patients
- 11.10 *Pasquale Aragona (Messina - Italy)*
Effects of aminoacids enriched artificial tears
on the ocular surface of patients affected by
dysfunctional tear syndrome
- 11.16 *Paolo Frezzotti (Siena - Italy)*
An in vivo confocal microscopy analysis of effects
of topical beta-blockers antiglaucoma therapy
without preservative (timolol 0.1% gel) on
conjunctiva changes
- 11.22 *Roberta Calienno (Chieti - Italy)*
Pathological changes of anatomical structure
and markers of limbal stem cell niche due to
inflammation

- 11.28 *Magdalena Cortés (Roma - Italy)*
Role of a new dietary supplement in the treatment
of post-Lasik tear dysfunction syndrome
- 11.34 *Mattia Passilongo (Verona - Italy)*
Long-term effectiveness of autologous cultured
limbal stem cell grafts in patients with limbal stem
cell deficiency due to chemical burns
- 11.40 *Graziella Pellegrini (Modena - Italy)*
Limbal stem-cell therapy and long-term corneal
regeneration

DISCUSSION

Course 9 (FREE COURSE)

**APPROCCIO MININVASIVO ALLA
CHIRURGIA DEL SEGMENTO ANTERIORE
E TERAPIA FARMACOLOGICA**

12.00 - 13.00

Directors: L. Mastropasqua (Italy), V. Sarnicola (Italy)

Panel: R. Bellucci (Italy), P. Neri (Italy),
R. Mencucci (Italy), M. Nubile (Italy)

BREAK

Course 11 (FREE COURSE)

TOPOABERROMETRY & MYSTERY

14.00 - 16.00

Director: P. Vinciguerra (Italy)

Panel: S. D. Klyce (USA), P. Buscemi (USA)

BREAK

Workshop (AD INVITO)

**NOVITÀ IN AMBITO DIAGNOSTICO
E TERAPEUTICO PER IL GLAUCOMA**

17.00 - 18.00

Moderatori: S. Miglior (Italy), M. Vetrugno (Italy),
M. Zurria (Italy)

FRIDAY 8 JULY

ROOM 4

Course 12 (FREE COURSE)

WET LAB (DALK, DSAEK, M.A.)

MAX 24 PARTICIPANTS

08.30 - 10.00

Director: D. Ponzin (Italy)

Panel: M. Nardi (Italy), A. Pocobelli (Italy), V. Sarnicola (Italy), P. Toro (Italy), V. Scorcio (Italy), G. Marchini (Italy), P. Vinciguerra (Italy), E. Pedrotti (Italy)

Course 8 (FREE COURSE)

**INNOVAZIONE NELLA TERAPIA
DELLE ALTERAZIONI DELLA
SUPERFICIE OCULARE**

16.30 - 18.00

Direttore: P. Aragona (Italy)

Panel: P. Aragona (Italy), M. Lanzini (Italy), M. Rolando (Italy), P. Versura (Italy)

OFFICIAL WELCOME - ROOM 1
ROLANDSICSSO AWARDS CEREMONY
PRESIDENTS AND REPRESENTATIVES OF
ESCRS, ISRS, SOI, SICSSO,
REFR@CTIVE.ON-LINE SOCIETIES

NURSES SESSION



14.00 - 16.00

Chairman: B. Pieri (Italy)

14.00 Paola Borselli (Grosseto - Italy)

Preparation and assistance to the patient in ophthalmology

14.20 Gabriella Rocchi (Grosseto - Italy)

Sterilization and management of instruments in ophthalmology

14.40 Veronica Scognamiglio (Grosseto - Italy)

Surgical care

15.00 Veronica Scognamiglio (Grosseto - Italy)

Surgical care in corneal transplantation

SATURDAY 9 JULY

ROOM 1

PREMIUM IOLS & CATARACT SURGERY III

08.30 - 10.40

Chairman: G. Tamayo (Colombia)

Moderators: T. O. Gamaly (Oman), M. Nardi (Italy),
L. Mastropasqua (Italy), S. Vergani (Italy)

08.30 *Angela P. D'Aurelio (Pescara - Italy)*
Astigmatism and cataract: why a bitoric IOL?

08.33 *Claudio Savaresi (Milano - Italy)*
Multifocal custom-made toric IOL for high
astigmatism and myopia

08.39 *Anas Anbari (Damascus - Syria)*
Challenging cases of anterior and posterior
iris fixation of iris-claw phakic and aphakic
intraocular lenses (IOL)

08.45 *Islam M. Hamdi (Jeddah - Saudi Arabia)*
Visual and optical performance before and
after rotation of a mal-positioned Toric ICL®

08.55 *Erik L. Mertens (Antwerpen - Belgium)*
Clinical outcomes of custom made lentis mplus
toric intraocular lenses

09.01 *Roberto Bellucci (Verona - Italy)*
Refraction and optical quality with a new
diffractive multifocal hydrophilic IOL

09.11 *Paolo Vinciguerra (Milano - Italy)*
Managing toricity: intraocular IOLs, toric IOLs
and astigmatism

09.21 *Scipione Rossi (Roma - Italy)*
Synchrony and crystalens ao: ubm and
aberrometrical pseudo accommodation study

09.31 *Roberto Bellucci (Verona - Italy)*
Optical aberrations with the light
adjustable lens

09.41 *Omid Kermani (Cologne - Germany)*
Acrysof Cachet Phakic IOL - first 100 eyes - 1
year results

09.51 *Sinan Goker (Istanbul - Turkey)*
Pseudophakic INTRACOR; good alternative
method for monofocal IOL patients

10.01 *Low Cze Hong (Singapore - Rep. of Singapore)*
Refractive cataract surgery with correction of
astigmatism

10.07 *Vincenzo Orfeo (Napoli - Italy)*
Use of perforating incisions for the correction
of astigmatism in cataract surgery

10.13 *Erik L. Mertens (Antwerpen - Belgium)*
Visian toric implantable collamer lens: thirty-
six-month follow-up

10.19 *Alessandro Franchini (Firenze - Italy)*
A new, aberration- and glistening-free
hydrophobic IOL

10.25 *Tamer O. Gamaly (Muscat - Oman)*
ICL & T ICL uses and results

DISCUSSION

BREAK

ISRS SYMPOSIUM

11.00 - 13.40

Directors: P. Vinciguerra (Italy), J. Kanellopoulos (USA)
Panel: S. D. Klyce (USA), F. Hafezi (Switzerland),
M. McDonald (USA), G. Tamayo (Colombia),
D. Reinstein (UK), E. Mertens (Belgium)

SATURDAY 9 JULY

ROOM 2

CROSS-LINKING & ECTASIA III



08.30 - 10.30

Chairman: C. Roberts (USA)

Moderators: S. D. Klyce (USA), R. Dossi (Italy),
O. Ibrahim (Egypt), F. Camesasca (Italy)

08.30 *Luigi Pacente (Napoli - Italy)*

Thickness, epithelial and stromal ultra-structural changes after trans-epithelial cross-linking in keratoconus-affected human cornea

08.33 *Eduardo Motolese (Siena - Italy)*

Keratoconus treatment using the CCL 36: early experiences

08.43 *Roberto Pinelli (Brescia - Italy)*

Tensioactive-mediated transepithelial corneal cross-linking: first laboratory report

08.49 *Carlo Lovisolo (Asti - Italy)*

Corneal collagen cross linking (CXL) combined to intrastromal ring segment (ICR) implantation and topography-guided transepithelial laser surface ablation in keratoconus

08.55 *Nicola Rosa (Napoli - Italy)*

Trans-epithelial corneal crosslinking in patients with keratoconus: our preliminary results

09.01 *Cynthia Roberts (Columbus - USA)*

Prediction of ultraviolet light transmission with epithelium-on and epithelium-off in cornea collagen crosslinking

09.07 *Seyed J. Hashemian (Theran - Iran)*

Refractive, topographic, anterior and posterior elevation and irregularity analysis of keratoconic eyes undergoing corneal cross-linking

09.17 *Alessandra Balestrazzi (Roma - Italy)*

Clinical slit lamp biomicroscopic findings in cross-linking

09.23 *Tamer O. Gamaly (Muscat - Oman)*
CCCL uses & results in OMAN

09.29 *Fabio Dossi (Torino - Italy)*

Transepithelial corneal cross linking: SD-OCT analysis useful. Pilot study

09.35 *Stephen D. Klyce (New York - USA)*

Riboflavin transepithelialization with Ricrolin TE

09.41 *John Kanellopoulos (New York - USA)*

Laboratory evaluation of a novel technique for myopia correction: continuous wave laser cornea shrinkage coupled with CXL

09.47 *Manuela Lanzini (Pescara - Italy)*

Traditional and transepithelial corneal cross-linking: in vivo morphological study

09.53 *Salvatore Troisi (Salerno - Italy)*

Trans-epithelial penetration of riboflavin solutions through human and porcine corneas: an experimental pharmacokinetic study

09.56 *Pasquale Cocca (Ascoli Piceno - Italy)*

Transepithelial corneal cross-linking (TE-CXL): limits and current and future applications

09.59 *Gaetano Barbaro (Napoli - Italy)*

A mathematical model of corneal uv-a absorption after soaking with a riboflavin solution during trans-epithelial cross-linking

10.02 *Marco Leozappa (Bari - Italy)*

Combined topography guided prk and riboflavin-uv-a-collagen cross linking for keratoconus

DISCUSSION

SATURDAY 9 JULY

ROOM 3

Course 13 (FREE COURSE)

ADVANCED CROSS-LINKING

08.30 - 10.30

Director: *P. Vinciguerra (Italy)*

Panel: *B. Frueh (Switzerland), F. Hafezi (Switzerland), S. D. Klyce (USA), O. Ibrahim (Egypt), S. Camesasca (Italy)*

Discussion: *E. Stagni (Italy),*

BREAK

1st JOINT
INTERNATIONAL CONGRESS
Refr@ctive.online and SICSSO

COURSE PROGRAMS

COURSE PROGRAMS

FRIDAY 8 JULY - COURSE 9 - ROOM 3

APPROCCIO MININVASIVO ALLA CHIRURGIA DEL SEGMENTO ANTERIORE E TERAPIA FARMACOLOGICA

12.00 - 13.00

Directors: L. Mastropasqua (Italy), V. Sarnicola (Italy)

*Panel: R. Bellucci (Italy), P. Neri (Italy),
R. Mencucci (Italy), M. Nubile (Italy)*

Roberto Bellucci (Verona - Italy)

Evoluzione delle tecniche chirurgiche nella
chirurgia della cataratta

Piergiorgio Neri (Ancona - Italy)

Gestione pre-operatoria del paziente operato di
cataratta e terapia
farmacologica

Rita Mencucci (Firenze - Italy)

Gestione post-operatoria del paziente operato di
cataratta e terapia antinfiammatoria

Mario Nubile (Chieti - Italy)

Evoluzione delle tecniche chirurgiche nel trapianto
di cornea e gestione della risposta immunitaria

COMUNICAZIONI

Maurizio Rolando (Genova - Italy)

Chi è il Paziente con disfunzione lacrimale

Piergiorgio Neri (Ancona - Italy)

Terapia dinamica delle disfunzioni lacrimali

FRIDAY 8 JULY - WORKSHOP - ROOM 3

NOVITÀ IN AMBITO DIAGNOSTICO E TERAPEUTICO PER IL GLAUCOMA

17.00 - 18.00

*Moderatori: S. Miglior (Italy), M. Vetrugno (Italy),
M. Zurria (Italy)*

Stefano Miglior (Milano - Italy)

Le nuove frontiere per la diagnostica del glaucoma;
l'OCT spectral domain

Michele Vetrugno (Bari - Italy)

Studio Clinico controllato e randomizzato su
180 pazienti trattati con due prodotti a base di
Latanoprost

Monia Zurria (Catania - Italy)

I generici in oftalmologia: quali prospettive per
l'oftalmologo

DISCUSSIONE

COURSE PROGRAMS

FRIDAY 8 JULY - COURSE 8 - ROOM 4 

INNOVAZIONE NELLA TERAPIA DELLE ALTERAZIONI DELLA SUPERFICIE OCULARE

08.30 - 10.00

Panel: *P. Aragona (Italy), M Lanzini (Italy),
M. Rolando (Italy) P. Versura (Italy)*

INTRODUZIONE

P. Aragona (Italy)

Maurizio Rolando (Genova - Italy)

Il film lacrimale nella Disfunzione Lacrimale

Pasquale Aragona (Messina - Italy)

Osmoprotezione ed omeostasi del film lacrimale

Pasquale Aragona (Messina - Italy)

Effetti clinici di un'emulsione cationica sulla
superficie oculare

Manuela Lanzini (Chieti - Italy)

Effetti clinici di un'emulsione cationica in pazienti
sottoposti a chirurgia refrattiva

Piera Versura (Bologna - Italy)

Effetti di una emulsione Cationica sulla
composizione dello strato lipidico

DISCUSSIONE

PROGRAM SYMPOSIUM

SATURDAY 9 JULY - SYMPOSIUM - ROOM 1

THE ADVANCED 2011 ISRS SYMPOSIUM IN OPHTHALMIC DIAGNOSTICS AND SURGICAL TECHNIQUES AND CONTROVERSIES IN CURRENT REFRACTIVE SURGERY

11.00 - 13.40 Directors: *P. Vinciguerra (Italy), J. Kanellopoulos (USA)*

DIAGNOSTICS SECTION

Stephen D. Klyce (New York - USA)
Placido dick topography-Cornea tomography

Farhad Hafezi (Zurich - Switzerland)
Cornea OCT and cornea biomechanic measurements

Dan Reinstein (London - UK) VIDEOCONFERENCE
High Requency US imaging

Marguerite McDonald (New York - USA)
A new algorithm for treating blepharitis & dry ye and LASIK: more new drugs, more new plugs

TREATMENT SECTION

Paolo Vinciguerra (Milano - Italy)
Custom treatments based on healing process

John Kanellopoulos (New York - USA)
Flap considerations (choice of keratome parameters, femto approaches)

Marguerite McDonald (New York - USA)
Memories of the first PRK: are we going back to the surface? & is PRK best for avoiding ectasia in thin corneas?

CUSTOMISED TREATMENTS ON THE CORNEA

John Kanellopoulos (New York - USA)
Topo-guided

Gustavo Tamayo (Bogota - Colombia)
No laser!, go with phakic IOL

DISCUSSION AND DEBATE POTENTIAL TROUBLESOME CASES

Moderators: *P. Vinciguerra (Italy), J. Kanellopoulos (USA)*
Panel: *S. D. Klyce (USA), F. Hafezi (Switzerland), M. McDonald (USA), G. Tamayo (Colombia), D. Reinstein (UK), E. Mertens (Belgium)*

COURSE ABSTRACTS

COURSE 4

SCHEIMPFLUG-BASED CORNEAL TOMOGRAPHY

Synopsis: The course will present the features and clinical applications of Scheimpflug-based (Pentacam) corneal tomography (SBT). Differences with Placido-based topography will be discussed, as well as the scales and indexes, resolution features, differential maps. Clinical cases of SBT applications to keratoconus (diagnosis and follow up), refractive surgery (patient selection and follow up), PK, DSAEK, DALK, cataract surgery, phakic IOLs will be presented.

Objective: Attendees will be able to use SBT in the everyday clinical practice as well as in all the situations requiring advanced analysis of corneal and anterior segment morphology.

COURSE 5

ADVANCED COURSE IN REFRACTIVE SURGERY

Synopsis: Pre-operative and post-operative patient evaluation is critically important to optimize results in corneal refractive surgery. We will review advanced aspects of corneal topography, pupillometry, wavefront measurements, quality of vision testing, and corneal biomechanics.

Complications management will be reviewed, including effective therapies for post-LASIK infections; severe post-LASIK dry eye; post-LASIK and post-phaco glare, haloes, and inflammation; and post-LASIK ectasia.

In regard to surface ablation, the management of postoperative pain, chronic epithelial defects, and haze will be reviewed, as well as the use of mitomycin C.

Looking ahead: new refractive procedures will be presented, including the LASERACE procedure for presbyopia, as well as hardware and software upgrades to current refractive technologies.

COURSE 7

SUCCESSFUL CROSS-LINKING: PATIENT SELECTION, MANAGEMENT OF COMPLICATIONS, LONG-TERM FOLLOW-UP, UNDERSTANDING CORNEAL RESPONSE TO TREATMENT

Synopsis: This course will present a systematic approach to Cross-Linking (CXL), aimed at pursuing best results through proper patient selection, comprehension of post-treatment corneal behaviour, management of intra- and postoperative complications. The spectrum of possible clinical indications will be reviewed. Treatment protocols in order to avoid complications will be presented.

Objective: Attendees will be able to approach, treat and follow CXL patients in a planned, organized manner. Patient selection, follow up care, management of complications, evaluation of corneal diagnostic results during long-term follow up will be detailed. This course is an introduction to the Advanced CXL Course

COURSE 13

ADVANCED CROSS-LINKING: TRANSEPITHELIAL, TREATMENT OF KERATOCONUS IN CHILDREN, POST-LASIK ECTASIA, POST-RK/PK, WITH THIN CORNEAS, CROSS-LINKING AND CUSTOM ABLATION

Synopsis: This course will present the potential uses of Cross-Linking (CXL) in diverse corneal ectatic situations. New potentialities offered by transepithelial CXL will be discussed. Transepithelial techniques and results will be detailed. Approach and result with delicate keratoconus patients such as post-LASIK ectasia, youngsters or subjects already treated with RK or PK will be detailed. Results with and CXL + Custom Ablation for corneal remodelling in initial keratoconus will be presented.

Objective: Basic CXL notions have been presented in the dedicated Basic course. Attendees of this advanced course will be able to properly select complex cases for which treatment may be considered, and understand potential applications of advanced CXL.

COURSE 11

UNVEILING THE MYSTERY. TOPOABERROMETRY IN THE EVERYDAY CLINICAL PRACTICE.

Synopsis: The course will detail the many clinical situations that enjoy a substantial help in diagnosis thanks to topoaberrometry (TA). Scale and algorithms will be discussed. The applications of TA in anterior segment surgical patients will be considered:

COURSE ABSTRACTS

cataract, biometry, PCO, refractive surgery, cross-linking, retinal diseases, contact lenses). Several mystery cases and their solution thanks to TA will be presented.

Objective: Attendees will be able to understand topoaberrometry efficiently, as well as to exploit its diagnostic and therapeutic possibilities.

1st JOINT
INTERNATIONAL CONGRESS
Refr@ctive.online and SICSSO

With the patronage of Cornea Society



XI CONGRESSO NAZIONALE REFRACTIVE ONLINE
X CONGRESSO NAZIONALE SICSSO