1st JOINT INTERNATIONAL CONGRESS
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XI CONGRESSO NAZIONALE REFRACTIVE ONLINE
X CONGRESSO NAZIONALE SICSSO

GROSSETO, ITALY
July 7-9, 2011

FINAL PROGRAM

TRADUZIONE SIMULTANEA
INGLESE ITALIANO
INTERNATIONAL ATTENDING SPEAKERS

Khaled-A. Abdelrahman Egypt
Bruce Allan UK
Anas A. Anbari Syria
Amhed Assaf Egypt
Michael 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 Gatzionfas Greece
David Glasser USA
Sinan Goker Turkey
José Luís Guell Spain
Farhad Hafezi Switzerland
Islam M. Hamdi Saudi Arabia
Sayed 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
Faroqqui 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 Warraik 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. Cascella
Stefano Cavazza
Luciana Cerulli
Michele Cervellino
Salvatore Cillino
Giovanni Citroni
Pasquale Cocca
Magdalena Cortés
Angela P. D’Aurelio
Maddalena De Bernardo
Luca De Carlo
Alessio Dellino
David Di Cave
Daniela Dolcino
Fabio Dossi
Roberto Dossi
Pietro Ducoli
Marco Fantozzi
Paolo Fogagnolo
Cesare Forlini
Alessandro Franchini
Paolo Frezzotti
Giovanni Frongia
Giovanna Gabbriellini
Caterina Galgano
Ottelo Galli
Luca Giovanni
Alfredo Greco
Giuseppe Greco
Luca Guadàl
Claudio Iacobucci
Michele Lanza
Manuela Lanzini
Marco Leoneappa
Carlo Lovisolo
Saverio V. Lucarelli
Giorgio Marchini
Marco Marenco
Leonardo Mastropasqua
Vincenzo Maurino
Dansilo Mazzacane
Luca Menabuoni
Rita Mencucci
Tommaso Micelli-Ferrari
Paolo Michelletto
Stefano Miglior
Miroslav Kacerik
Alberto Montericci
Augusto Morocutti
Simona Morselli
Luca Mosca
Luigi Mosca
Mario Motta
Edgarda Motolese
Alessandro Mularoni
Vincenzo Napoli
Marco Nardi
Piergiorgio Neri
Francesco Nizzola
Mario Nobile
Paolo Nucci
Vincenzo Orfeo
Nicola Orzalesi
Luigi Pacenti
Franco Passani
Mattia Passilongo
Emilio Pedrotti
Grazia Pellegrini
Roberto Pinelli
Matteo Pizzella
Augusto Pocobelli
Ennio Polito
Diego Ponzi
Mario G. Quaranta
Luciano Quaranta
Vincenzo Ramovecchi
Michele Reibaldi
Maurizio Rolando
Nicola Rosa
Pietro Rosseta
Scipione Rossi
Anna Roszkowska
Matteo Sacchi
Letizia Salvatat
Paolo Santoro
Severino Santoro
Vincenzo Sarnicola
Claudio Savaresi
Silvio Savastano
Patrizia Scaroni
Giuseppe Sciuto
Vincenzo Scaria
Sebastiano Serroa
Leopoldo Spada
Cristina Sparagna
Edoardo Stagnzi
Patricia Toro
Ingrid Torres Munoz
Pasquale Traisì
del Salvo
Salvatore Traisì
Giuseppe Valentini
Davide Venzano
Sandro Vergani
Piera Versura
Michele Vetrugno
Carlo M. Villani
Eddaodio Stagnzi
Paolo Vinicuigera
Monia Zurria
GENERAL INFORMATION

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S.P. 158 delle Collaccie, 465
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SCIENTIFIC SECRETARIAT:
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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.

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

EXHIBITION:
The congress is accompanied by a commercial exhibition which is open as follows:
Thursday 7th July 09.00 – 18.00
Friday 8th July 09.00 – 18.00
Saturday 9th July 09.00 – 13.00

ECM:
The congress is accredited by ECM/CME.

CELLULAR PHONES:
Cellular phones must be switched off during all sessions.
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 (DSEK) using thin precut donor tissues: comparison between microkeratome and femtosecond laser

08.56 Paolo Bonci (Ravenna - Italy)  
Keratoplasty in “difficult” cases

09.06 Vincenzo Sarnicola (Grosseto - Italy)  
DSEK: 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 (DSEK) 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 Scorcia (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 neoformations

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

10.30 Giuseppe Carlevaro (Monza - Italy)  
DSEK 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

11.02  Patricia Toro (Grosseto - Italy)
DALK 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 Salvetat (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. Montericcio (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 Montericcio (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

14.58 Alberto Montericcio (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 (Theran - 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. Lucarelli (Milano - Italy)
Assessment of central corneal thickness in healthy eyes using anterior segment spectral domain optical coherence tomography, specular microscopy and ultrasound pachimetry

18.26 Alessandro Mularoni (Bologna - Italy)
Visiol, a viscoelastic with scavenger effect

DISCUSSION
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 menopausa

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. Trattler (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 xiloial 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 Montericco (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. Trattler (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. Trattler (Miami - USA)
Multicenter comparison of epithelial-on vs epithelial-off crosslinking
11.50 Edoardo Stagni (Catania - Italy)
Update of trans-epithelial corneal cross linking: what’s new?

12.00 Joa 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 Motolesse (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 cocfocal 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 Kotrea)
Multifocal cornea for the treatment of presbyopia

14.46 Sinan Goker (Istambul - 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 Marenco (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 Motelese (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 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)

**Course 4** *(FREE COURSE)*

**SCHEIMPFLUG-BASED CORNEAL TOMOGRAPHY**

11.00 - 12.20
Director: P. Vinciguerra (Italy)
Panel: M. Belin (USA)

**Course 5** *(FREE COURSE)*

**ADVANCED COURSE IN REFRACTIVE SURGERY**

14.00 - 15.00
Director: M. McDonald (USA)
Panel: S. D. Klyce (USA)

BREAK

BREAK
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
Danilo Mazzacane (Pavia - Italy)
Scipione Rossi (Roma - Italy)
Cataract surgery

Paolo Vinciguerra (Milano - Italy)
Refractive surgery

Pasquale Aragona (Messina - Italy)
Ocular surface

DISCUSSIONE
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. Scorcia (Italy), G. Marchini (Italy), P. Vinciguerra (Italy), E. Pedrotti (Italy)
FRIDAY 8 JULY

KERATOPLASTY III

08.30 - 10.00

Chairman: D. Glasser (USA)
Moderators: L. Mastropasqua (Italy), E. Motolese (Italy), W. B. Trattler (USA)

08.30 Paolo Brusini (Udine - Italy)
Automated-lamellar-therapeutic-keratoplasty (ALTK): 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. Trattler (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

OFFICIAL WELCOME - ROOM 1

ROLANDSICSSO AWARDS CEREMONY
Presidents and representatives of societies

BREAK

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

DISCUSSION
FRIDAY 8 JULY

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 keratoplasty 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 wavefront 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,
REFRACTIVE.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

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

13.00 - 14.00
Course 10 (FREE COURSE)
LA VALUTAZIONE PER LA PATENTE AUTO OGGI MAX 150 PARTICIPANTS

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 Gatziosfas (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 Schultz (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 Schultz (New York - USA)
Three-year endothelial cell survival after Descemet’s Stripping Automated Endothelial Keratoplasty (DSAEK)

15.16  Antonio Calossi (Certaldo - 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**

**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 tono-pachymeter 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 lapidous 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 Gabbiellini (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**
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)
NOVITÁ IN AMBITO DIAGNOSTICO E TERAPEUTICO PER IL GLAUCOMA

17.00 - 18.00
Moderators: 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. Scorcia (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,
REFRACTIVE.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
08.30 - 10.40

**PREMIUM IOLS & CATARACT SURGERY III**

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  **Alessandra 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)
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 ultrastructural changes after trans-epithelial cross-linking in keratoconus-affected human cornea

08.33 Eduardo Motaulese (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-uva-collagen cross linking for keratoconus

DISCUSSION
### 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),

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BREAK
COURSE PROGRAMS
### FRIDAY 8 JULY - COURSE 9 - ROOM 3

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

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

**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

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### 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**
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 ISR5 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 disk 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

## 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)

## 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?
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.

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: TRANSEPIHELIAL, 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 topoaberrrometry efficiently, as well as to exploit its diagnostic and therapeutic possibilities.
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