



Europe Symposium

09-11 June 2023

Grand Hotel Mediterraneo · Florence, Italy

Program Chairs:

Lucio Buratto, MD

Damien Gatinel, MD

Program Committee:

Ashraf Armia, MD

Allon Barsam, MD

Amanda Carones, MPH

Francesco Carones, MD

Sheraz Daya, MD

Raphael Ervinckx

Joaquín Fernández, MD

Erik Mertens, MD

Anne Nestor

Radhika Rampat, MD

Pavel Stodulka, MD

Riccardo Vinciguerra, MD

THURSDAY, 08 JUNE (*Grand Hotel Mediterraneo*)

18:30 – 20:30 AECOS Welcome Reception and Exhibits
(Reception Only - Scientific Program begins Friday, 09 June)

FRIDAY, 9 JUNE - Scientific Program Begins

07:30 Coffee and Pastries in the Exhibit Hall

08:00 Welcome and Update on AECOS Europe

Pavel Stodulka, MD
President, AECOS Europe

Update: AECOS America

William Wiley, MD
President, AECOS America

08:15 – 13:15 **OPENING SESSION, DAY 1**

SESSION 1: OPHTHALMOLOGY INNOVATION FORUM

Moderators: William Link, PhD and Roberto Zaldivar, MD

Panel: Andy Corley, Sheraz Daya MD, Rajesh Rajpal MD, Joseph Sullivan

Ultra-high Resolution Aberrometers in Anterior Segment Surgery

José Manuel Ramos

Advancing Ophthalmic Procedures through the Integration of
Wireless Power and Communication
Refractive Technology to Improve Intermediate Vision in

Yariv Bar-On

Monofocal IOLs	Aixa Alarcon, PhD
Direct Subjective Refraction with Temporal Defocus Waves	Carlos Dorransoro, PhD
Measuring Diffractive IOL Profiles In Vitro	Benjamin Stern, PhD
Brillouin Microscopy – New Clinical Evidence	Riccardo Vinciguerra, MD

SESSION 2: SUSTAINABILITY UPDATE

Moderators/Panel: *Sheraz Daya MD, Sandro Di Simplicio MD, Radhika Rampat MD, and David Shahnazaryan MD*

Successfully Integrating Sustainability Goals in the Clinical Setting -
an AECOS Green Working Group Update

Khayem Naderi, MD
Radhika Rampat, MD
David Shahnazaryan, MD

Immediately Sequential Bilateral Cataract Surgery (ISBCS):
Safety and Sustainability

Joaquín Fernández, MD

How Industry is driving sustainability measures for cataract surgery
while ensuring patient safety and optimal outcomes.

Panel: *Laurent Attias (Alcon), Tom Frinzi (Staar), Eriona Gjinukaj (Dompé),
Dirk Mülhoff (Zeiss), Erin Powers (BVI), Laurent Storme (JJV)*

SESSION 3: YOUNG OPHTHALMOLOGIST PROGRAM

Moderators: *Radhika Rampat, MD and Riccardo Vinciguerra, MD*

Panel: *Pooja Khamar PhD, David Smadja MD, Tanya Trinh MD, Roger Zaldivar MD*

Practical Tips for Optimizing Patient Care Whilst Avoiding
Gender Bias

Tanya Trinh, MD

Translational Research in Anterior Segment Disease –
Lab to Patient

Pooja Khamar, PhD

Innovation in Refractive Surgery – What’s New

David Smadja, MD

Digital Healthcare – Harnessing the Benefits for our Patients

Roger Zaldivar, MD

Refractive Surgery Training – How to Improve Refractive
Training After Residency

Radhika Rampat, MD

Discussion

SESSION 4: SOFTWARE INNOVATIONS

Moderators: Allon Barsam, MD and Suphi Taneri, MD

Panel: Arthur Cummings MD, Robert Maloney MD, Kris Morrill, Milind Pande MD

Can AI help to better explain medical reports to patients?	Julien Buratto
Pyramidal Wavefront Sensor Aberrometer to Measure Objective Defocus Curves	Francesco Carones, MD
Refraction & AI: Can It Be Fully Automated?	Laure Pichereau
Artificial Intelligence and Keratoconus Treatment	Michael Mrochen, PhD
Cataract and HT OCT: Objective Diagnosis	Christophe Panthier, MD
Human Centered Design for Effective Collection of Patient Reported Outcome Measures (PROMs)	Stanley Windsor
Discussion	

SESSION 5: INDUSTRY PANEL DISCUSSION

Moderators: Sheraz Daya, MD and Joseph Sullivan

Panel: Raphael Ervinckx (BVI), Tom Frinzi (Staar), Eriona Gjinukaj (Dompé), Dirk Mülhoff (Zeiss), Sunil Vasanth (Alcon), Rajesh Rajpal MD (JJV)

Panel Discussion: “What Keeps Us Up at Night – Issues Facing the European Cataract and Refractive Surgery Market”

13:15 Lunch (*Grand Mediterraneo Hotel*)

14:15 – 17:00 **AFTERNOON SESSION, DAY 1**

SESSION 6: REFRACTIVE – NONSURGICAL

Moderators: Jorge Alio, MD and William Trattler, MD

Panel: Allon Barsam MD, Amanda Carones MPH, Farhad Hafezi MD, Gary Wörtz MD

Drops – The Real Experience. Does It Work?	
Drops for Presbyopia	Jennifer Loh, MD
Drops for Myopia	David Smadja, MD
Panel Discussion	
Myopia Contact Lens Treatment and OrthoK: Does it Work?	David Piñero, MD
Latest Eyeglasses for Myopia	Giancarlo Falcicchio
Intraorbital Acupuncture for Dry Eye	Pavel Stodulka, MD
Discussion	

ARTIFICIAL INTELLIGENCE: AI FOR THE UNINITIATED

Moderators: Sheraz Daya, MD and Ranya Habash, MD

Panel: Damien Gatinel MD, Karel Van Keer MD, Andrea Russo MD, William Wiley MD

Introduction to AI in Ophthalmology	Ranya Habash, MD
Multimodal Algorithm Development Using Aggregate Data	Andrea Russo, MD
Extracting Data to Drive Surgical Outcomes	Karel Van Keer, MD
Discussion and Call to Action	Moderators/Panel
17:00 Adjourn	

SATURDAY, 10 JUNE - Scientific Program Day 2

07:30 Coffee and Pastries

08:00 – 13:00 **MORNING SESSION, DAY 2**

SESSION 7: THE FUTURE OF IOL POWER CALCULATIONS, SIMULATIONS & NEW IOLS

Moderators: Lucio Buratto, MD and Damien Gatinel, MD

Panel: Detlev Breyer MD, Carlos Buznego MD, Sheraz Daya MD, Steven Dell MD, Miguel Rechichi MD

<u>Keynote:</u> Interesting Insights - Extending Range of Focus with Enhanced Monovision	Damien Gatinel, MD
Post Refractive Surgery IOL Power Calculations	Giacomo Savini, MD
Post-op IOL Adjustments for Superior Quality of Vision	Stephen Slade, MD
Simulating Presbyopic Corrections in the Clinical Practice: Increasing Applications	Susana Marcos, PhD
Plan B: Using Reversible Trifocality in Challenging Cases with a Sulcus-Fixated IOL	Suphi Taneri, MD
Presbyopia Phakic IOLs for Myopic Presbyopes	Erik Mertens, MD
IOLs for Maculopathy	Gabor Scharioth, MD
IOLs for Peripheral Vision	Pablo Artal, PhD
Synthesis and Critical Appraisal of the Evidence	Joaquín Fernández, MD
Discussion: <ul style="list-style-type: none">● Pure In-vitro● Objective In-vivo● Clinical Impression of Surgeons	Panel

SESSION 8: CORNEAL LASER VISION CORRECTION

Moderators: *Arthur Cummings, MD and Burkhard Dick, MD*

Panel: *Francesco Carones MD, Mike Holzer MD, Samuel Arba Mosquera PhD, Stefanie Schmickler MD, Robert Weinstock MD*

Various Approaches to Presbyopia Correction on the Cornea	Jorge Alió, MD
New Lenticule Extraction Femtosecond Lasers	Victor Derhartunian, MD
Latest Results of a New FS Lenticule Extraction Procedure	Shady Awwad, MD
Early European Experience with a New Femtosecond Laser System and New Refractive Procedure	Ivan Gabric, MD
Lenticule Addition for Treatment of Hyperopia and Myopia	Michael Mrochen, PhD
Optimizing LASIK for High Hyperopia Correction	Damien Gatinel, MD
Next-Gen Personalized LASIK Treatment	John Kanellopoulos, MD
The Role of Perioperative IPL on Patients having Myopia LVC	Jorge Alió del Barrio, MD
The Impact of the Epithelium in Complicated Cases	Francesco Carones, MD
Refractive Surgery in Children	Omid Kermani, MD
Discussion	

13:00 Lunch (*Grand Mediterraneo Hotel*)

14:00 – 16:15 **AFTERNOON SESSION, DAY 2**

The Joseph Colin Lecture

Ideas, Peers, Tears and Cheers: Ophthalmic Innovation to Regulation

Prof. John Marshall

Discussion

SESSION 9: VIDEO COMPETITION – COMPLICATED CASES, INNOVATIVE TECHNIQUES

Moderators: *Ashraf Armia MD, Lucio Buratto MD and Joaquín Fernández MD*

Panel: *Arthur Cummings MD, James Katz MD, Stefanie Schmickler MD, Pavel Stodulka MD*

Flange assisted technique for artificial iris-IOL sulcus fixation	Jorge Alió del Barrio, MD
Xenogenic Corneal Implants: The Next State of Corneal Surgery	Jorge Alió, MD
Light After 20 Years in Darkness	Ashraf Armia, MD
Much Tougher Than Anticipated	Ahmed Assaf, MD
Luer Lock or Not Luer Lock	Lucio Buratto, MD

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Nightmare Keratitis

Mayank Nanavaty, MD

DMEK in Complex Cases

Alain Saad, MD

IOL Exchange

William Wiley, MD

Closing Discussions

16:15

Adjourn

SUNDAY, 11 JUNE - Scientific Program Day 3

07:30

Coffee and Pastries

08:30 – 12:45

MORNING SESSION, DAY 3

**2022 AECOS Europe Research Grant Report:
Laser-assisted Bowman's Layer Graft Preparation**

Viridiana Kocba, MD

2023 AECOS Europe Research Grant

Pavel Stodulka, MD
President, AECOS Europe

**Evaluation and Optimization of Stromal Lenticular Implants
To Treat Corneal Disease, Injury and Refractive Error**

Abigail Wilson, PhD

SESSION 10: CATARACT SURGERY TECHNIQUES

Moderators: Francesco Carones, MD and Erik Mertens, MD

***Panel: Domenico Boccuzzi MD, Detlev Breyer MD, Bernard Heintz MD,
Detlef Holland MD, Miguel Rechichi MD***

A Physiological Approach to Cataract Surgery with Low IOP

Riccardo Vinciguerra, MD

Management of Corneal Edema in Cataract Surgery

Sorcha Ni Dhubhghaill, MD

Update on Femtophotoemulsification

Pavel Stodulka, MD

Enhanced Monofocal IOLs in Fuchs Endothelial Dystrophy Patients

Rita Mencucci, MD

Refractive Lens Exchange after Radial Keratotomy

Milind Pande, MD

**Assessment of Spherical Aberration and Depth of Field through
Dynamic Analysis of the Conoid of Sturm**

Andrea Russo, MD

Discussion

SESSION 11: CORNEA – MEASURE, ADD, PLAN

Moderators: Farhad Hafezi, MD and Roberto Zaldivar, MD

Panel: Lucio Buratto MD, Luca Gualdi MD, Rita Mencucci MD, William Trattler, MD

Additive Techniques in Keratoconus (CAIRS)	Shady Awwad, MD
Monitoring Corneal Edema Using High-Resolution OCT	Pierre Zéboulon, MD
New Cross-Linking Customization	Farhad Hafezi, MD PhD FARVO
Meniscus Shaped Stromal Lenticule Addition Keratoplasty (MS-SLAK) for Corneal Regularization and Thickening in Advanced Keratoconus	Emilio Pedrotti, MD
Evaluation of Tears in Patients with Keratoconus	Pooja Khamar, PhD

Discussion

SESSION 12: REDISCOVERING THE IRIS

Moderators: Emilio Pedrotti, MD and Rita Mencucci, MD

Panel: Jorge Alió MD, Georges Baikoff MD, Mitchell Jackson MD, Walter Sekundo MD

The Neopupil and Pinhole IOLs	Mitchell Jackson, MD
Secondary artificial Iris-IOL implantation	Walter Sekundo. MD
Therapies to Change Iris Color – Pathological Eyes	Jorge Alió, MD
Therapies to Change Iris Color – Normal Eyes	Georges Baikoff, MD

Discussion

SESSION 13: GLAUCOMA, VITREOUS AND RETINA

Moderators: Pavel Stodulka, MD and Gabor Scharioth, MD

Panel: Sheraz Daya MD, Tibor Juhasz PhD, Alice Grise-Dulac MD, Tanya Trinh MD

New Therapies and Lasers for Glaucoma Surgery	Burkhard Dick, MD
Image-guided FS Laser to Reduce IOP	Tibor Juhasz, PhD
New MIGs for Glaucoma	Alice Grise-Dulac, MD
Vitreous Surgical Skills for the Anterior Segment Surgeon	Tanya Trinh, MD

Discussion

12:45

Closing Comments & Adjourn	Lucio Buratto, MD Damien Gatinel, MD Pavel Stodulka, MD
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