



European Symposium
06-09 June, 2019
ME Sitges Terramar Hotel – Sitges, Spain

Program Chair:

Arthur Cummings, MD
Dan Reinstein, MD

Planning Committee:

Jorge Alió, MD
Hans Blickensdörfer
Francesco Carones, MD
Sheraz Daya, MD
Prof. H Burkhard Dick, MD
Aylin Kilic, MD
Erik Mertens, MD
Tobias Neuhann, MD
Pavel Stodulka, MD
Rolf Schwind

THURSDAY, 06 JUNE

18:30 – 20:30 AECOS Reception and Exhibits

FRIDAY, 07 JUNE

07:30 Exhibits and coffee

08:00 **OPENING SESSION**
Welcome and Update on AECOS Europe

Burkhard Dick, MD
President, AECOS Europe

08:10 Update on AECOS Global Charities

Stephen Slade, MD

08:20 Ophthalmology History of Barcelona

Rafael Barraquer, MD

SESSION 1: MEDICAL DEVICE REGULATIONS IN EUROPE

Moderators: Kris Morrill and Michael Mrochen, PhD

Panel: Hans Blickensdörfer, Nikica Gabric MD, Dirk Mülhoff, Rolf Schwind

08:30 Medical Device Regulation in Europe

Gert Bos PhD

08:45 Discussion

08:55	SESSION 2: AECOS INNOVATION FORUM – The Shark Tank <i>(seat panel at 08:55; Moderators explain presentations are 5 min followed by 5 min panel discussion, then Vote)</i> <u>Audience votes via App:</u> YES NO or TOO EARLY TO TELL	
	<u>Moderators:</u> Lucio Buratto, MD and Stephen Slade, MD <u>Panel:</u> Sri Ganesh MD, Erik Mertens MD, Rajesh Rajpal MD, Dan Reinstein MD	
09:00 (09:05)	Andorra Dry Eye Formula: New Treatment Option Discussion	Ludger Hanneken, MD
09:10 (09:15)	Ophtec Presbyopia Correcting Lens Discussion	Tiago Monteiro, MD
09:20 (09:25)	Corneal Collagen Mapping Discussion	Aylin Kilic, MD
09:30 (09:35)	STROMA (Iris Colour Change) Discussion	Gregg Homer, PhD
09:40 (09:45)	Corneal Stem Cell Therapy Discussion	Jorge Alió del Barrio, MD
09:50 (09:55)	MicroOptix - Minimally Invasive Glaucoma Device Discussion	Burkhard Dick, MD
10:00 (10:05)	LensGen: Curvature Changing, Fluid-Optic IOL Discussion	Ramgopal Rao
10:10 (10:15)	ARTIS Active IOL: Improved Diffractive Profiles for EDOF Discussion	Fannie Castignoles, PhD
10:20 (10:25)	Robotic Femtomatrix Ultra-Fast Laser Technology for Cataract Surgery Discussion	Pavel Stodulka, MD
10:30 (10:35)	IOL Mask Generator Discussion	Holger Lubatschowski, PhD
10:40 (10:45)	Accommodation Restoration Using the FS Laser in Human Eyes Discussion	Omid Kermani, MD
10:50	Final Discussions	
10:55	BREAK	
11:20	<u>Keynote:</u> Wavefront Revisited <i>(3 minute Intro, then Keynote)</i>	Damien Gatinel, MD
11:33	Discussion	

SESSION 3: MEDICAL LEGAL ISSUES

Moderators: Burkhard Dick, MD and John Doane, MD

Panel: Alan Reider (US Attorney) and Michael Zach (European Attorney)

- 11:40 **Topic 1:** Insurance companies controlling procedure reimbursement (15 min)
“Is this the tail wagging the dog?” - A Medical/Legal Ethics Discussion
- 11:55 **Topic 2:** Off Label Procedures - What is the Legal Exposure? (Licensed vs Unlicensed; 20 min)
- MF IOLs and other IOLs for Refractive Lens Exchange
 - Femtophaco Off-Label
- 12:15 **Keynote:** Update on SMILE Success. Challenges and the Competition Dirk Muelhoff
- 12:25 **Panel:** Sam Mosquero PhD, Christian Rathjen PhD, Ahmet Tezel PhD, Hartmut Vogelsang PhD

BREAK FOR LUNCH

12:45 - 13:30 **Lunchtime Promotional Symposium (Johnson & Johnson Vision)**

SESSION 4: NEAR AND FAR FUTURE OF OPHTHALMOLOGY (8 min each)

Moderators: Damien Gatinel, MD and Mark Kontos, MD

Panel: Mitchell Jackson MD, Tara McMullen PhD, Michael Mrochen PhD, Matteo Piovella MD

- 13:45 AI For Intracorneal Rings Jorge Alió, MD
- 13:53 Retilase John Marshall, PhD
- 14:01 3D Digital Visualization Technology Francesco Carones, MD
- 14:09 Discussion

SESSION 5: VIDEO GRAND ROUNDS: Therapeutic Corneal Refractive Surgery

(5 min video, 3 min discussion)

Moderators: Scott MacRae, MD and Dan Reinstein, MD

Panel: Ashraf Armia MD, James Katz MD, Omid Kermani MD, Jose Vargas MD

- 14:35 Corneal Pigmentation Jorge Alió, MD
- 14:40 Discussion
- 14:43 Transepithelial PRK Aleks Stojanovic, MD
- 14:48 Discussion
- 14:51 Stromal Topography Guided PRK Riccardo Vinciguerra, MD
- 14:56 Discussion

26 April 2019 FINAL
Subject to modification (as necessary)

14:59 Visco PRK Andreas Höhn, MD
15:04 Discussion

15:07 **Keynote: The Corneal Epithelium in Refractive Surgery and Epistrom** Dan Reinstein, MD
15:17 - The Future of Predictive Modelling for Therapeutic Refractive Surgery
Discussion

15:20 **BREAK**

SESSION 6: THE JUDGEMENT DAY (20 min total for each topic)

15:40 **Docket 001: Same Day Bilateral Phakic IOL Surgery**

Judge: *The Honorable John Marshall, PhD*

Jury: *Gerd Auffarth MD, Sheraz Daya MD, Burkhard Dick MD, Matteo Piovella MD, William Trattler MD*

Pro: Erik Mertens, MD (5 min)

Con: Suphi Taneri, MD (5 min)

Discussion (10 min)

16:00 (Change Jury)

16:05 **Docket 002: Presbyopia Correction: Corneal vs Lens Based Refractive Surgery**
in Non-Cataract 50-60 Year Olds

Judge: *The Honorable John Marshall, PhD*

Jury: *Detlev Breyer MD, Jørn S. Jørgensen MD, Dan Reinstein MD, Sheri Rowen MD, Fernand De Wilde MD*

Corneal: Arthur Cummings, MD (5 min)

Lens Based: Julian Stevens, MD (5 min)

Discussion (10 min)

16:25 **Introduction** Dan Reinstein, MD

16:30 **AECOS Industry Achievement Lecture** Dan Neal, PhD

16:45 **AECOS Adjourns. Refreshments in the Exhibit Area**

SATURDAY, 08 JUNE

07:30 Coffee

08:00 Update on AECOS America William Trattler, MD
President, AECOS America

SESSION 7: GROWING REFRACTIVE SURGERY (8 min each)

Moderators: Arthur Cummings, MD and Burkhard Dick, MD

Panel: Jorge Alió MD, John Doane MD, Jørn S. Jørgensen, MD, Florian Kretz MD, Prof. Zheng Wang MD

08:25	Driving Patient Awareness	Hans Blickensdörfer
08:33	Innovation, Ideation, Sharing Ideas	Michael Mrochen, PhD
08:41	Surgeon Collegiality	Wolfgang Riha, MD
08:49	Patient Flow Analysis	Laszlo Kiraly, MD
08:57	Training Surgeons in Very High Volume Practice	Prof Zheng Wang, MD
09:05	Discussion	

09:30 **INDUSTRY PANEL**

Moderator: William Link, PhD

Panel: Hans Blickensdörfer, Jean-Claude Dubacher, Seba Leoni, Dirk Muelhoff, Domenic von Planta, Calvin Roberts MD, Erik Jan Worst

How can/will industry assist with establishing and funding formal training programs for younger ophthalmologists, i.e. the next generation of refractive surgeons, especially with regard to laser vision correction.

How can industry work together with key opinion leaders to ensure that best possible data is put forward with the introduction of breakthrough technologies, protecting the KOL from making or inferring unwarranted claims, etc. A question of ethics among industry and technology early adopters.

10:10 **BREAK**

SESSION 8: WILL THESE TECHNOLOGIES SURVIVE THE MARKET? (4 min presentation, 6 min discussion)

Moderators: Arthur Cummings, MD and Damien Gatinel, MD

Panel: Carlos Buznego MD, Mitchell Jackson MD, Sathish Srinivasan MD, Roberto Zaldivar MD

10:30 (10:34)	Automated Capsulotomy Devices (non-femto) Discussion	Pavel Stodulka, MD
10:40 (10:44)	Epi-On Crosslinking Discussion	William Trattler, MD
10:50 (10:54)	LipiFlow/Miboflo/iPL Discussion	Mark Kontos, MD
11:00 (11:04)	Femto-Cataract Surgery Discussion	Gerd Auffarth, MD
11:10	Open Discussion	

15:25 **BREAK**

SESSION 11: ETHICS AND GDPR

Moderators: Sheraz Daya, MD and Julian Stevens, MD

Panel: Jorge Alio MD, Juan Álvarez de Toledo MD, Samuel Levinger MD, Kris Morrill, Michael Mrochen PhD

15:45 All You Wanted to Know About GDPR But Were Afraid to Ask Gerry Egan

15:55 Ethics of Offering Tiered Pricing for Refractive Surgery Alastair Stuart, MD

16:02 Ethics of Doing Refractive Surgery While Still Wearing Glasses Sri Ganesh, MD

16:09 Ethics of Genetics in Ophthalmology John Marshall, PhD

16:16 Discussion

SESSION 12: THE JUDGEMENT DAY

16:30 **Docket 003: Femtosecond Laser Cataract Surgery**

Judge: The Honorable John Marshall, PhD

Jury: Detlev Breyer MD, Burkhard Dick MD, John Doane MD, Johann Kruger MD, Stephen Slade MD

Why I Use It: Francesco Carones, MD (5 min)

Why I Dont/Stopped: Jorge Alio, MD (5 min)

Discussion

16:50 **Keynote:** Update on Genetic Screening for Refractive Surgery Tara McMullen, PhD

17:00 **AECOS ADJOURNS**

19:30 - 22:30 **AECOS Reception and Dinner** (ME Sitges Terramar Hotel)

SUNDAY, 09 JUNE

07:30 Coffee

08:30 **2018 AECOS European Research Award: Project Report**
"Diabetic Retinopathy Screening via Tear Film Biomarker" Sven Schnichels, MD

08:40 **2019 AECOS European Research Award Presentation**
Erik Mertens, MD
Incoming President,
AECOS Europe

SESSION 13: VIDEO GRAND ROUNDS: (6 min videos)

Moderators: Kuldev Singh, MD and Rafael Barraquer, MD

Panel: Johann Kruger MD, Samuel Levinger MD, Juan Álvarez de Toledo MD, Suphi Taneri MD

08:55	Circular Keratotomy for Keratoconus	Detlev Breyer, MD
09:01	Multi Photon Imaging of Cornea	Aylin Kilic, MD
09:07	Risky, Yet Worth It!	Ashraf Armia, MD
09:13	Tricky IOL Exchange Surgeries - Revealed	Gerd Auffarth, MD
09:19	Mouth to Eye Stem Cell Transplantation	Samer Hamada, MD
09:25	SMILE Ectasia: When There is Trouble, Put It Back	Sri Ganesh, MD
09:31	My Most Difficult Case	Matteo Piovela, MD
09:37	Evolution of Toric IOL Alignment: IntelliAxis Refractive	Mitchell Jackson, MD
09:43	Most Complicated Cataract Case	Lucio Buratto, MD
09:50	Discussion	

SESSION 14: PRESBYOPIA - FAKE NEWS AND TRUE STORIES

Moderators: Burkhard Dick, MD and Dan Reinstein, MD

Panel: Carlos Buznego MD, John Doane MD, Florian Kretz MD, Alan Reider Esq, Sheri Rowen MD

10:00	Fake Peer-Reviewed Science (publications, etc.)	Sheraz Daya, MD
10:08	Fake News and True Stories on Retinal Considerations in CLE	Paulo Stanga, MD
10:16	Fake News and True Stories of Corneal Presbyopia Correction	Alastair Stuart, MD
10:24	Fake News and True Stories of Premium Lenses	Jorge Alió, MD
10:32	Fake News and True Stories of Corneal Inlays	Wayne Crewe-Brown, MD
10:40	KAMRA after MF IOL?	Shamik Bafna, MD
10:48	Discussion	
11:00	BREAK	

SESSION 15: TECHNOLOGICAL AIDS TO LENS POWER AND SIZE PREDICTION

Moderators: Gerd Auffarth, MD and Joachim Fernandez, MD

Panel: Francesco Carones MD, James Katz MD, Pavel Stodulka MD, Jose Vargas MD, Roberto Zaldivar MD

11:20	Update on IOL Power Calculations	Roberto Zaldivar, MD
11:28	Nailing the Target, Post IOL Refractive Indexing	Burhard Dick, MD
11:36	ICL Sizing by Anterior Segment OCT: Spur-to-Spur	Erik Mertens, MD
11:44	ICL Sizing by Ultrasound Sulcus Imaging	Joachim Fernandez, MD
11:52	A New Posterior Chamber VHF Ultrasound Based Algorithm for IOL Sizing	Dan Reinstein, MD
12:00	Optimizing Outcomes with Novel Technologies & Formulae	Norbert Pesztenlehrer, MD
12:08	Discussion	

SESSION 16: BEST LESSONS I LEARNED IN THE LAST YEAR

Moderators: Sheraz Daya, MD and Erik Mertens, MD

Panel: Samer Hamada MD, Mitchell Jackson MD, Aylin Kilic MD, William Trattler MD

12:20	Business Development, Best Practices	Erik Mertens, MD
12:26	What Adds Tangible Value to the Practice	Wolfgang Riha, MD
12:32	Multidisciplinary Practice	Francesco Carones, MD
12:38	Use of Ray Tracing in Laser Refractive Surgery	Michael Mrochen, PhD
12:44	Benefits and Disadvantages of a Small Aperture IOL	Prof. Dr. Marc Mackert
12:50	Business Development	Amanda Cardwell Carones
12:56	Discussion	
13:15	Closing Comments	Arthur Cummings, MD Erik Mertens, MD Dan Reinstein, MD
13:30	AECOS Adjourns	