



European Symposium

10-12 June, 2022

Hilton Antwerp Old Town – Antwerp, Belgium

Program Chairs:

Francesco Carones, MD

Sheraz Daya, MD

Program Committee:

Jorge Alio del Barrio, MD

Burkhard Dick, MD

Raphael Ervinckx

Erika Eskina, MD

Radhika Rampat, MD

Erik Mertens, MD

David Shahnazaryan, MD

Stefanie Schmickler, MD

Pavel Stodulka, MD

Suphi Taneri, MD

THURSDAY, 09 JUNE

18:30 – 20:30 AECOS Welcome and Exhibitors Reception (*City Hilton Old Town*)

FRIDAY, 10 JUNE

07:30 Exhibits and coffee

08:00 **OPENING SESSION**

Welcome and Update on AECOS Europe

Erik Mertens, MD

President, AECOS Europe

SESSION 1: NEW KIDS ON THE BLOCK (*5 min followed by 5 min panel discussion*)

Moderators: Erik Mertens, MD and Joseph Sullivan

Panel: Erika Eskina MD, Aylin Kilic MD, Shmuel Levinger MD, Dirk Mülhoff, Rajesh Rajpal MD, Dan Reinstein MD

08:10 Bynocs

Computer-based training software, amblyopia and neuroadaptation

Arthur Cummings, MD

(08:15) Discussion

08:20 Biosynthetic collagen inlays (CE mark data)

Pavel Stodulka, MD

(08:25) Discussion

08:30 New Mask for Treating Dry Eye

Luca Vigo, MD

(08:35) Discussion

08:40 (08:45))	Beyeonics Discussion	Antonio Boccardi
08:50 (08:55)	IMVIS – Changing the Future of Slit Lamp Examination Discussion	Tom Williamson, MD
09:00 (09:05)	Hyoperopic SMILE Discussion	Walter Sekundo, MD
09:10 (09:15)	Brillouin from Intelon Discussion	Julian Stevens, MD
09:20 (09:25)	ViaLase Discussion	Tibor Juhasz, PhD
09:30 (09:35)	Xenotransplants for Keratoconus Discussion	John Marshall, PhD

SESSION 2: COMPLICATIONS OF HIGH-PERFORMANCE LENSES

Moderators: Lucio Buratto, MD and Frank Goes Jr, MD

Panel: Johan Blanckaert MD, Burkhard Dick MD, Pavel Stodulka MD, Suphi Taneri MD

09:40	Main Problems of High-Performance IOLs	Benoit Golenvaux, MD
09:48	Patient Satisfaction	Suphi Taneri, MD
09:56	Dysphotopsias	Milind Pande, MD
10:04	Neuroadaptation Failure	Jorge Alio del Barrio, MD
10:12	How to Avoid the Worst Complication, The Unhappy High Performance Lens Patient	Detlev Breyer, MD
10:20	Discussion	
10:40	BREAK	

SESSION 3: FUTURE OF LENS REFRACTIVE SURGERY

Moderators: Francesco Carones, MD and Daniel Durrie, MD

Panel: Detlev Breyer MD, Mitchell Jackson MD, Robert Maloney MD, Julian Stevens MD

11:00	Recent refractive surgery growth: is it sustainable?	Amanda Carones
11:08	Differentiating lens refractive surgery from cataract surgery to grow the business	Florian Kretz, MD

11:16	Terminology: Refractive Lens Exchange? Refractive Lens Replacement? Dysfunctional Lens Replacement?	Arthur Cummings, MD
11:24	How can industry support the transition from cataract surgery (rehabilitation) to lens refractive surgery (open discussion between industry and physicians)	Amanda Carones Francesco Carones, MD Arthur Cummings, MD Dan Durrie, MD Chuck Hess Erin McEachren

SESSION 4: CREATING VALUE IN THE PRACTICE – PLANNING THE EXIT

Moderators: Sheraz Daya, MD and Erik Mertens, MD

Panel: Detlef Holland MD, Omid Kermani MD, Dan Reinstein MD, Stefanie Schmickler MD

12:00	Keynote: Creating Value in the Practice	Eddy Verbrugge
12:15	What Private Equity Has Not Done Right	Detlef Holland, MD
12:25	Discussion	

LUNCH

SESSION 5: LENSPEAK 2022

Moderators: Sheraz Daya, MD and Detlef Holland, MD

Panel: Francesco Carones MD, Martin Dirisamer MD, Daniel Durrie MD, Erik Mertens MD, William Trattler MD

14:00	LEN_SPEAK – An AECOS Europe Initiative	Sheraz Daya, MD
14:08	Lens Performance – Mechanisms and Dysphotopsias	Joaquin Fernandez, MD
14:16	Lens Performance Based on AECOS Lens Classification	David Shahnazaryan, MD
14:24	ANSI Perspective	Keith Holliday, PhD
14:32	FDA Perspective	Malvina Eydelman, MD (virtual)

SESSION 6: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING – The Story... Basics, Applications in Ophthalmology – Current and Future

Moderators: Ranya Habash, MD and Julian Stevens, MD

Panel: Malvina Eydelman MD (virtual), Damien Gatineau MD, Robert Maloney MD, Radhika Rampat MD, Francesco Versaci PhD, Tom Williamson MD

14:40	AI in Ophthalmology	Ranya Habash, MD
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14:48	AI in the anterior segment	Damien Gatinel, MD
14:56	IOL Power Calculation	Karel van Keer, MD
15:04	AI for retinal diagnosis- where are we today?	Suphi Taneri, MD
15:12	ICL Sizing and Vault Estimation	Andrea Russo, MD
15:20	Refractive Lens Surgery – Making Sense of Big Data	Milind Pande, MD
15:28	Can artificial intelligence be used to guide surgical method in rhegmatogenous retinal detachment?	Tom Williamson, MD
15:36	Discussion	
15:40	BREAK	
	SESSION 7: DRY EYE – WHAT’S NEW	
	<i>Moderators: Arthur Cummings, MD and Samer Hamada, MD</i>	
	<i>Panel: Aylin Kilic MD, Erik Mertens MD, Stefanie Schmickler MD, David Shahnazaryan MD</i>	
16:00	Tyrvaya	Marian Macsai, MD
16:08	IPL	Sheraz Daya, MD
16:16	TIXEL	Ludger Hanneken, MD
16:24	QMR – Radiofrequency Helmet	Luca Vigo, MD
16:32	Discussion	
16:50	THE JOSEPH COLIN AWARD Introduction Virtual Presentation by Stephen Slade, MD (<i>in Munich</i>) 2022 Recipient	Erik Mertens, MD Kristian Hohla, PhD
17:00	AECOS Adjourns. Networking Reception in the Exhibit Area	
SATURDAY, 11 JUNE		
07:30	Coffee	
08:00	Update on AECOS America	Robert Maloney, MD <i>President, AECOS America</i>

SESSION 8: AECOS INNOVATION FORUM – THE SHARK TANK.

Moderators: Burkhard Dick, MD and William Link, PhD

Panel: Daniel Durrie MD, Sophia Pathai MD, Rajesh Rajpal MD, Stefanie Schmickler MD, Joseph Sullivan

08:10 08:15	EyeYon Medical Discussion	Sorcha Ni Dhubhghaill, MD
08:20 08:25	Aurion Biotech Discussion	Gregory Kunst
08:30 08:35	IMCUSTOMEYE Discussion	Michael Mrochen, PhD
08:40 08:45	RxSight Discussion	Burkhard Dick, MD
08:50 08:55	SimVis Gekko Discussion	Susana Marcos, PhD
09:00 09:05	Belkin non-contact rapid SLT (CE mark data) Discussion	Andrew Webb

SESSION 9: VIDEO GRAND ROUNDS Award for 1) Best Innovation and 2) Best Save. (8 min + 2 min disc)

Moderators: Ashraf Armia, MD and Francesco Carones, MD

Panel: Lucio Buratto MD, Sheraz Daya MD, Erika Eskina MD, Robert Maloney MD, Pavel Stodulka MD, William Trattler MD

09:10	Single Pass 4-throw Pupilloplasty and Higher Order Aberrations – Unravelling the facts	Priya Narang, MD
09:20	How Intraoperative OCT Could Prevent Cataract Surgery Complications	Rachid Tahiri, MD
09:30	Carlevale IOL Fixation with Horizontal Scleral Pockets in Traumatic Lens Subluxations and Aphakia	Lukan Mishev, MD
09:40	Four Booster Shots – My Toughest Case	Ashvin Agarwal, MD
09:50	Allograft Ring for Keratoconus: Removal, Rotation, Implantation Technique	Aylin Kilic, MD
10:00	A Bizarre Complication of Corneal Gluing	Mayank Nanavaty, MD
10:10	My worst (and most scarring) Laser Refractive Surgery Complication	Jorge Alio del Barrio, MD
10:20	Trifocal Save	Allon Barsam, MD

10:30 BREAK

SESSION 10: THE JUDGEMENT DAY. (20 min per case)

Judge: John Marshall, PhD

**Jury: Ashvin Agarwal MD, Johan Blanckaert MD, Robert Maloney MD,
Dan Reinstein, MD**

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| 10:50 | <u>Topic 1:</u> | Bilateral Sequential ICL Surgery
Pro: (5 min)
Con: (5 min)
Disc: (10 min) | Karel van Keer, MD
Riccardo Vinciguerra, MD |
| 11:10 | <u>Topic 2:</u> | Refractive lens exchange for hyperopia correction in young non-presbyopic patients
Pro: (5 min)
Con: (5 min)
Disc: (10 min) | Omid Kermani, MD
Jorge Alio del Barrio, MD |

SESSION 11: YOUNG OPHTHALMOLOGISTS NEW TO PRACTICE – WHAT KEEPS US UP AT NIGHT.

Moderators: Jorge Alio del Barrio MD, Radhika Rampat MD, David Shahnazaryan MD

Panel: Allon Barsam MD, Nadav Levinger MD, Tanya Trinh MD, Riccardo Vinciguerra MD

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| 11:30 | <u>Keynote:</u> Gender Bias – The Imposter Syndrome in Ophthalmology. How Can We Change Our Outlook? | Tanya Trinh, MD |
| 11:40 | Against the Rule – Challenges of Training in Refractive Surgery | Ben LaHood, MD |
| 11:48 | Living a Life of Service in India – Going West to East | Ashiyana Nariani, MD |
| 11:56 | A Clinician and Researcher: How to be a successful double agent | Sorcha Ni Dhubhghaill, MD |
| 12:04 | How to Thrive as a New Ophthalmologist and Innovator | David Smadja, MD |

12:30 Discussion

13:00 LUNCH

SESSION 12: INDUSTRY PANEL: HOW TO BE WORTHY RIVALS WHILE GROWING THE BUSINESS

Moderators: Sheraz Daya, MD and William Link, PhD

Panel: Jeannette Bankes, Hans Blickensdörfer, Francesco Carones MD, Arthur Cummings MD, Raphael Ervinckx, Chuck Hess, Dirk Mühlhoff, Rajesh Rajpal MD, William Trattler MD

SESSION 13: NEW VENTURES AND DEVELOPMENTS – ROUTES TO COMMERCIALIZATION

Moderators: Michael Mrochen, PhD and Joseph Sullivan

Panel: Laurent Attias, Jan Bonel, Davide Borroni MD, Ranya Habash MD, Thomas Koppel, Sophia Pathai MD, David Smadja MD

14:45

SESSION 14: INFLUENCE OF THE OPHTHALMIC PRACTIC ON THE ENVIRONMENT – NO TIME TO WASTE!

Moderators: Ashvin Agarwal, MD and Radhika Rampat, MD

Panel: Daniel Durrie MD, Sorcha Ni Dhubhghaill MD, David Shahnazaryan MD

15:30	Keynote: EyeSustain - Reducing Surgical Waste and our Environmental Impact	David Chang, MD <i>(virtual)</i>
15:40	Carbon-Neutral Cataract Surgery	Sandro di Simplicio, MD
15:48	Low Carbon Eye Care - Aravind Model	Rengaraj Venkatesh, MD <i>(virtual)</i>
15:56	Collaboration in the Sustainable Healthcare Movement	Manish Raval, MD
16:04	Sustainable Eyecare and Eyeefficiency	Andrew Cassels-Brown, MD <i>(virtual)</i>
16:12	Avenues to Consider for Reducing Ophthalmology's Carbon Footprint	Thomas Koppel
16:20	Discussion	
16:50	AECOS Adjourns.	

SUNDAY, 12 JUNE

07:30	Coffee	
08:30	2019 AECOS European Research Award: Project Report	Teresa Tsai, PhD
08:40	Presentation of 2022 AECOS European Research Grant	Pavel Stodulka, MD <i>Incoming President, AECOS Europe</i>
08:45	Overview of 2022 Research Grant Topic	Viridiana Kocaba, MD

SESSION 15: MDR – RELEVANCE AND IMPACT ON OPHTHALMOLOGY

Moderators: Burkhard Dick, MD and Michael Mrochen, PhD

Panel: Laurent Attias, Davide Borroni MD, Raphael Ervinckx, Joseph Sullivan

08:50	How the industry manages the MDR process and the impact for the healthcare professional	Raphael Ervinckx
09:00	MDR – opportunities and challenges for manufactures and eye surgeons	Cécile van der Heijden
09:10	Software as a Medical Device – A Regulatory Perspective	Harald Studer, PhD

09:20	Post Market Surveillance Studies – Opportunity or Threat?	Kristine Morrill
09:30	Discussion	
09:45	SESSION 16: LESSONS LEARNED (Orphan Products - endorsed on podium then abandoned following commercialization. <i>Discussion with Industry R & D and KOLs.</i>) <i>Moderators: Arthur Cummings, MD and Michael Mrochen, PhD</i> <i>Panel: Laurent Attias, Sheraz Daya MD, Mitchell Jackson MD, Pavel Stodulka MD, Dan Reinstein MD, William Trattler MD</i>	
10:30	BREAK	
	SESSION 17: LENTICULAR EXTRACTION REFRACTIVE SURGERY - NEW OPTIONS WITH DIFFERENT DEVICES <i>Moderators: Dan Reinstein, MD and Pavel Stodulka, MD</i> <i>Panel: Bernard Heintz MD, Erik Mertens MD, Samuel Arba Mosquera PhD, Christian Rathjen PhD</i>	
11:00	<u>Keynote:</u> Lenticular Extraction – Past, Present and Future	Dan Reinstein, MD
11:10	Ziemer	Theo Seiler, MD
11:18	Zeiss	Walter Sekundo, MD
11:26	Schwind ATOS	Kishore Pradhan, MD
11:34	Johnson & Johnson Surgical Vision	Rafael Guerrero Sanchez
11:42	Discussion	
12:00	Closing Comments	Francesco Carones, MD Sheraz Daya, MD Pavel Stodulka, MD
12:20	AECOS Adjourns	