

Times listed are CET
(Central European Time)

International
CXU 2021
Experts' Meeting

2021 Programme



Day 1: Friday, Dec 17

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0830-1045 Basic Principles

Name	Title	Speaker	Country
Chairs		S. Klyce, M. Bikbov	
08:30	Measuring corneal biomechanics using OCT elastography	Sabine Kling	Switzerland
08:45	Understanding the demarcation line	Cosimo Mazzotta	Italy
09:00	Understanding oxygen	Farhad Hafezi	Switzerland
09:15	Current biomarkers in keratoconus and cross-linking	Rohit Shetty	India
09:30	CXL effect on corneal topography and tomography	Renato Ambrosio	Brazil
09:45	CXL effect on corneal biomechanics	Riccardo Vinciguerra	Italy
10:00	Q&A	Panel	
Chairs		D. O'Brart, F. Hafezi	
10:15	What are your go-to protocols (adults, children)?	Panel discussion	
10:30-10:45	Break		

1045-1245 Translational Research

Name	Title	Speaker	Country
Chairs		R. Shetty, F. Carones	
10:45	Comparison of Corneal Thickness Changes during Corneal Collagen Crosslinking and Surgical Efficiency Using Different Rose Bengal Formulations	Jinhai HUANG	China
10:55	Regional variation of corneal stiffness with Keratoconus progression assessed by the Stress-Strain Maps	Ahmed ELSHEIKH	United Kingdom
11:05	Morphological and immunohistochemical changes in the cornea after different UV crosslinking protocols	Emin USUBOV	Russia
11:15	Pain protocol in PRK and CXL: Cold to the rescue	Sailie SHIRODKAR	India
11:25	A Next Generation OCT in Collagen Imaging in Keratoconus and Cross-linking	Bhavya GORIMANIPALLI	India
11:35	Cone Shape Change with Keratoconus Progression	Ashkan ELIASY	United Kingdom
11:40	Estimate Corneal Remodelling in Response to Intracorneal Ring Segments	Ahmed ABASS	United Kingdom
11:45	A systemic bioinformatic analysis of the RNA-Seq data to understand the factors influencing progression of keratoconus	K. PAVAN ASRITH	India
11:45-12:45	Lunch Break		

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1245-1345 Current state: PACK-CXL for keratitis

Name	Title	Speaker	Country
Chairs: TBA		J. Mortensen, M. Hosny	
12:45	Riboflavin PACK-CXL: latest clinical and laboratory results	Boris KNYAZER	Israel
13:00	Rose Bengal PACK-CXL: latest clinical and laboratory results	Guillermo AMESCUA, Jean-Marie PAREL	United States
13:15	Riboflavin and rose bengal PACK-CXL	Farhad HAFEZI	Switzerland
13:30	Adjunct or standalone treatment? Acanthamoeba?	All	

1345-1615 Current state: CXL for ectasia

Name	Title	Speaker	Country
Chairs		J. Güell, E. Torres	
13:45	The quest for epi-on I: my epi-on protocol	Miltos BALIDIS	Greece
14:00	The quest for epi-on II: my epi-on protocol	Cosimo MAZZOTTA	Italy
14:15	The quest for epi-on III: my epi-on protocol	Farhad HAFEZI	Switzerland
14:30	Epi-on discussion	All	
14:45	Epi-off "Dresden" and accelerated	Shady AWWAD	Lebanon
15:00	Overview about current thin cornea protocols	Emilio TORRES	Switzerland
15:15	Viewpoint from the other side of the coin: CXL treatment in subsaharan Africa	John NKURIKIYE	Rwanda
15:30	Panel discussion "How much cross-linking is needed in my patient"?	All	
16:00-16:15	Break		

1615-1700 Schwind eye-tech solutions - Tips & Tricks performing customized treatments

Name	Title	Speaker	Country
16:15	CXL cases in combination with the AMARIS	Farhad HAFEZI	Switzerland
16:30	Stare X Protocols	Miguel RECHICHI	Italy
16:45	Customized treatments/hints using the ORK-CAM software	Thomas MAGNAGO	Germany

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1700-1745 CSO Italia: Tips & Trick from the Diagnosis to the Treatment with MS-39 and C-eye

Name	Title	Speaker	Country
17:00	OCT-Based Corneal Tomography for Keratoconus Management	Shady AWWAD	Lebanon
17:15	Switching from Scheimpflug to OCT based tomography: lessons learned	Farhad HAFEZI	Switzerland
17:30	Discussion, Q&A		

1745-1830 Oculus - Keratoconus: Monitoring the Disease with Pentacam® and Corvis® ST

Name	Title	Speaker	Country
17:45	The Belin ABCD Staging and Progression - from science to verification	Michael BELIN	United States
18:00	Integration of the Belin ABCD Progression approach in my daily clinical workflow	Farhad HAFEZI	Switzerland
18:15	Adding a biomechanical parameter to te Belin ABCD Keratoconus Staging	Berthold SEITZ / Elias FLOCKERZI	Germany

1830-1915 Mediphacos

Name	Title	Speaker	Country
18:30	Long term results with ICRS for Keratoconus	Efekan COSKUNSEVEN	Turkey
18:45	New disposable device for riboflavin delivery	Renato AMBROSIO JR	Brazil
19:00	Results with new progressive thickness ICRS	Olivier PRISANT	France

1930 - 2130 KC Experts' Meeting on the Surgical Management of Keratoconus Patients

Name	Title	Speaker	Country
19:30	KC Experts' Meeting		
19:35	Progression definition and quantification for keratoconus	David TOUBOUL	France
19:43	CXL in ultrathin corneas: the sub400 protocol	Farhad HAFEZI	Switzerland
19:51	The recipe for visual rehabilitation after crosslinking	Mohammed SHAFIK SHAHEEN	Egypt
19:59	Treatment of Keratoconus with advanced stem cell therapy. First human clinical study	Jorge ALIO	Spain
20:07	Q&A	All	
20:15	Tissue addition in keratoconus	Sri GANESH	India
20:23	Cataract and keratoconus	Miltos BALIDIS	Greece
20:31	A new variable thickness ICRS for keratoconus	Adel BARBARA	Israel
20:39	Corneal biomechanics in intracorneal rings.	Riccardo VINCIGUERRA	Italy
20:47	Q&A	All	
20:55-21.30	Brainstorming about the organization of the next Meeting during ESCRS 2022 Milano	All	

Day 2: Saturday, Dec 18

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0830-1000 Keratoconus general

Name	Title	Speaker	Country
Chairs		F. Raiskup, E. Spoerl	
08:30	Rose Bengal Photodynamic Therapy: A Novel Treatment for Corneal Cross-linking	Jaime MARTINEZ	United States
08:40	Keratoconus progression to collagen cross-linking: creating personalised predictions at time of presentation	Olivia LI	United Kingdom
08:50	Keratoconus screening in Basic School Children using keratoconus suspect criteria in Aljaded Althawra (Aljazeera State) November 2014 to April 2015	Diana MOHAMMED	Sudan
09:00	Corneal stiffness measurement using in-vivo Brillouin microscopy	Hongyuan ZHANG	United States
09:05	Quantitative comparison of corneal surface areas in keratoconus and normal eyes	Damien GATINEL	France
09:10	Detecting Keratoconus in Spectral Domain Optical Coherence Tomography: Corneal and Epithelial Thickness Map Parameters and Patterns	Suphi TANERI	Germany
09:15	AI KC DEMOGRAPHICS – “Using Artificial Intelligence in predicting keratoconus progressors” - A novel insight	Gairik KUNDU	India
09:20	Progressive Ectatic Change post Penetrating Keratoplasty for Keratoconus	Lynette K. JOHNS	United States
09:25	Determining the Utility of Epithelial Thickness Mapping in Refractive Surgery Evaluations	Lara ASROUI	United States
09:30	Q&A	All Speakers	
09:35-10:00	Break		

1000-1230 Refractive / CXL Plus

Name	Title	Speaker	Country
Chairs		J. Marshall, A. Elmassry	
10:00	Simultaneous surface ablation and accelerated high-fluence corneal cross-linking for subclinical keratoconus	Juan ARBALAEZ	Oman
10:10	Prospective, Randomized, Multicenter, Double-Masked, Clinical Trial Evaluating Corneal Crosslinking of Keratoprosthesis Carrier Tissue	Sofia DE ARRIGUNAGA	United States
10:20	Enhanced Transepithelial Crosslinking Using Femtosecond Laser Machined Epithelial Microchannels for Riboflavin Delivery	Samantha BRADFORD	United States
10:30	Algorithmic Approach to plan Laser Based Corneal Collagen Cross Linking	Ritika MULLICK	India
10:40	The Impact of Previous Corneal Cross-Linking on Intrastromal Corneal Ring Segments Effect in Keratoconus Eyes: A Multi-Parameter Exact-Match Comparison to Virgin Eyes	Shady AWWAD	Lebanon
10:50	Difference between anterior and stromal topography in keratoconus - Treatment implications for combined CXL with topo-guided ablation	Aleksandar STOJANOVIC	Norway
Chairs		Chairs: A. Armia, H. Kammoun	
10:55	Visual and Refractive outcomes and Aberrations of Simultaneous Wavefront Guided Photorefractive Keratectomy and Corneal Cross-Linking in Early Keratoconus.	Seyed Javad HASHEMIAN	Iran
11:00	Use of CXL with a new customized treatment scheme, for the reduction of hyperopic shift and visual fluctuations in a patient previously operated on for myopic radial keratotomy	Alfonso ANANIA	Italy
11:05	MyoRing and CXL in keratoconus treatment	Gyulli KAZAKBAEVA	Russia
11:10	Combined Phototherapeutic keratectomy, intracorneal ring implantation and corneal collagen cross linking in keratoconus management	Guillermo ROCHA	Canada
11:15	End-Stage Paediatric Keratoconus and Epi-off-lenticule-on Corneal Crosslinking: A Case Report	Ugné RUMELAITIENĖ	Lithuania
11:20-12:30	Lunch Break (60')		

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1230-1400 PACK-CXL for keratitis

Name	Title	Speaker	Country
Chairs		B. Knyazer, S. Pot	
12:30	Evaluation of Rose Bengal Photodynamic Antimicrobial Therapy as an adjunctive treatment for severe infectious keratitis	Wirley MENDONCA	Brazil
12:40	Evaluation of Rose Bengal Mediated Photodynamic Therapy for In Vitro Growth Inhibition of Bacterial, Rapidly Growing Mycobacteria, Fungi and Parasites	Talita ROCHETTI	Brazil
12:50	Photo-activated chromophore for keratitis (PACK-CXL) window absorption (WA) alone versus combined PACK-CXL window absorption and standard anti-microbial therapy (SAT) for treatment of infectious keratitis: a prospective study	Mohammed TAWFEEK	Egypt
12:55	Riboflavin PACK-CXL: next steps	Farhad Hafezi	Switzerland
13:05	Panel discussion: Riboflavin? Rose bengal?	Guillermo Amescua, Mohammed Hosny, Boris Knyazer, Farhad Hafezi	
13:15	Antimicrobial efficacy of genipin in rabbit models of Staphylococcus aureus and Pseudomonas aeruginosa keratitis	Elena KOUDOUNA	United Kingdom
13:25	In vitro investigation of the effect of photosensitizer-mediated 365-nm UV light and 630-670-nm low-energy laser irradiation on the fungal flora Fusarium spp.	Liudmyla TROICHENKO	Ukraine
13:30-13:45	Break		

1345-1415 International outreach

Name	Title	Speaker	Country
Chairs		J. Vargas, M. Shafik Shaheen	
13:45 - 14:15	Roundtable discussion: "Addressing global challenges & identifying regional needs"	Harminder Dua, Luis Izquierdo, Mazen Sinjab, Shihao Chen, Anas Anbari, Mouhcine El Bakkali, Sihem Lazreg, M. Bamashmus	
14:15-14:30	Break		

1430-1815 CXL for ectasia

Name	Title	Speaker	Country
Chairs		P. Vinciguerra, M. Hosny	
14:30	Femtosecond Laser-Assisted Stromal Lenticule Addition Keratoplasty	Leonardo Mastropasqua	Italy
14:40	Accelerated epi-off with biomechanical features similar to Dresden protocol	Reyhaneh Abrishamchi	Switzerland
14:50-14:55	Discussion (5')		
14:55	Pilot Study of Transepithelial Corneal Crosslinking Using a Novel Ultraviolet Light-Emitting Contact Lens Device	Patrick LOPATH	United States
15:05	Oxygen boosted transepithelial corneal collagen cross-linking : ultrastructural results	David TOUBOUL	France
15:15	Accelerated Pulsed High-Fluence Corneal Cross-Linking for Progressive keratoconus: 5 year survival analysis of a large, multi-ethnic population	Olivia LI	United Kingdom
15.25-15.30	Discussion (5')		
Chairs		J.B. Randleman, C. Roberts	
15:30	Corneal Cross-Linking for Paediatric Keratoconus: A Systematic Review and Meta-Analysis	Hidenaga KOBASHI	Japan
15:40	Individualized topography-guided crosslinking for keratoconus – comparison of epi-on/high oxygen to epi-off room air protocols.	Anneli FREDRIKSSON	Sweden
15.50-16.00	Discussion (5')		

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16:00	A novel Pathfinder to predict postoperative corneal stiffness after refractive surgery which will aid in preventing postoperative ectasia	Savitri KUMARI	India
16:05	Ten-year follow-up of corneal cross-linking and refractive surface ablation in patients with asymmetric corneal topography	Bernardo MOSCOVICI	Brazil
16:10	Riboflavin impregnation of 10 minutes during epi-off cross-linking is safe and efficient	Arie MARCOVICH	Israel
16:15	Appropriate scleral lens filled with transepithelial Riboflavin during corneal soaking before UV collagen corneal crosslinking	Moatez Billah MEKKI	Algeria
16.20-16:25	Discussion (5')		
Chairs		C. Mazzotta, T. Seiler	
16:25	Independent-Effect Comparison of Seven Crosslinking Procedures for Progressive Keratoconus in a Chinese Population	Yu LIU	China
16:30	Long term outcomes of accelerated corneal crosslinking in pediatric keratoconus patients with new progression indices	Pinar Kosekahya	Turkey
16:35	Effect of Autologous Serum Eye Drops on Corneal Haze and Reepithelization Rates After Corneal Crosslinking	Ana ROLDAN	United States
16:40-16:45	Discussion (5')		
Chairs		M. Balidis, R. Vinciguerra	
16:45	Changes in Visual acuity and Corneal Parameters after Corneal Cross-linking for Keratoconus: Long-term Follow-up	Jagadesh REDDY	India
16:50	Accelerated Cross-Linking Associated with Topography-Guided PRK in Keratoconus with and without Intrastromal Corneal Ring	Barbara DUTRA	Brazil
16:55	Corneal biomechanics deterioration with keratoconus progression assessed by the Stress-Strain Index	Bernardo LOPES	United Kingdom
17:00	Accelerated versus Standard Corneal Cross-linking for Progressive Keratoconus in Syria	Abdelrahman SALMAN	Syria
17:05-17:10	Discussion (5')		
17:10	Ten years of corneal cross-linking follow-up	Madelyn Jareño	Cuba
17:15	Accelerated corneal cross-linking to arrest ectasia: a pürospective multicenmter study	Borja SALVADOR-CULLA	Spain
17:20	Iontophoresis-assisted Corneal Cross-linking for Progressive Keratoconus: 3 Year Results	Yu LIU	China
17:25	Accelerated CXL Versus Accelerated Contact Lens-Assisted CXL for Progressive Keratoconus in Adults	Ran MATLOV KORMAS	Israel
Chairs		D. Touboul, M. El Bakkali	
17:30	Safety and efficacy of Repeated Corneal Collagen Cross-linking in progressive Keratoconus	Ofri VOROBICHIK BERAR	Israel
17:35	Comparison of the long-term efficacy and safety of bilateral corneal CXL treatment performed in the same or separate sessions	Nilufer YESILIRMAK	Turkey
17:40	Acanthamoeba Keratitis after Corneal Crosslinking for Keratoconus	Nora WOLTSCHKE	Austria
17:45-17:55	Discussion (10')		

1755-1810 Awards, end of congress

Name	Title	Speaker	Country
17:55	Best paper presentation award	Nikki Hafezi	Switzerland
18:00	Final words and announcement of 2022 meeting	Nikki Hafezi, Farhad Hafezi	Switzerland

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