

SCIENTIFIC FEAST

जोके व वेडो लोड



Cornea Society of India

KERAACON 2024

WHERE ALL CORNEA MEETS

**12th Annual National Conference
of Cornea Society of India**

6th - 8th December 2024, Bengaluru

SCIENTIFIC PROGRAM

www.corneasocietyindia.org

India's First

**SILENT
CONFERENCE**



DAY 1 - 6TH DEC, 2024






SCIENTIFIC FEAST जोते व देखे त्वाडे

0800 - 0830	REGISTRATION										
	Screen 1	Screen 2	Screen 3	Screen 4	Screen 5	Screen 6	Hall B	CSI Course			
0830 - 0900								DMEK			
0900 - 0930			Instruction Course Optical Penetrating Keratoplasty	Instruction Course Acute Ocular Surface Emergencies	Instruction Course Contact Lenses for Cornea and Ocular Surface Disorders	Instruction Course Photography and Video Recording Techniques in Ophthalmology	Near Live Surgery Refractive Surgery				
0930 - 1000	Free Paper 1	Free Paper 2									
1000 - 1030											
1030-1045	BREAK										
1045-1115	Free Paper 3	Free Paper 4	Instruction Course Cataract Surgery in Corneal Disorders	Instruction Course Cicatrizing Conjunctivitis	Instruction Course Collagen Crosslinking Techniques Besides the Dresden Protocol	Instruction Course Corneal Tattooing					
1115 - 1145											
1145 - 1215	Free Paper 5	Free Paper 6	Instruction Course Non Viral Infective Keratitis	Instruction Course Ocular Surface Neoplasia	Instruction Course Stromal Augmentation for Corneal Ectasia	Instruction Course Therapeutic Penetrating Keratoplasty					
1215 - 1245											
1245 - 1315	Free Paper 7	Free Paper 8									
1315 - 1345											
1315 - 1400	LUNCH										
1400 - 1430	Free Paper 9	Free Paper 10	Instruction Course Viral Keratitis	Instruction Course Systemic Immunomodulation in Corneal Disease Management	Instruction Course Pupilloplasty - All You Need to Know	Instruction Course Non Viral Infective Keratitis	Quiz	DALK			
1430 - 1500							JAM				
1500 - 1530	Free Paper 11	Free Paper 12									
1530 - 1600			BREAK								
1600 - 1630	Spotlight: Cataract surgery	Spotlight: Refractive surgery (debates)	Free Paper 13	Free Paper 15	Free Paper 14	Free Paper 16					
1630 - 1700											
1700 - 1730											
1730 - 1815	ALCON Industry Symposium	Oculus Industry Symposium									
1815 - 1830											
1830 - 2000	EC Meeting										
1900	Banquet In Galaxy Hall										

DAY 2 - 7TH DEC, 2024



SCIENTIFIC FEAST जोके व वेडो त्जोइत

	Screen 1	Screen 2	Screen 3	Hall B	CSI Course
0800 - 0830	Symposium: Keratoconus	Symposium: Technology	Symposium: Complex Anterior Segment reconstruction	Near Live Surgery 2 Corneal Transplantation	DSEK
0830 - 0900					
0900 - 0930					
0930 - 1000	ECLA	Symposium: Surgical innovations	Latest in translational research in cornea		
1000 - 1030	BREAK				
1030 - 1100	BREAK				
1100 - 1130	 Cornea Society <small>Advancing the treatment of corneal disease</small>	 EuCornea	Spotlight: Contact lenses	Near Live Surgery 3 IOL Related & Sponsor Session	
1130 - 1200					
1200 - 1230	Spotlight: Lamellar Keratoplasty	Spotlight: Infections			
1230 - 1300	Lunch				
1300 - 1330	Lunch				
1330 - 1400	Lunch				
1400 - 1430	Symposium: Ocular trauma	Symposium: LSCD	Spotlight: Fuchs Dystrophy	Near Live Surgery 3 IOL Related & Sponsor Session	SLET
1430 - 1500					
1500 - 1530					
1530 - 1600	The relevance and opportunity for AI in healthcare	ISCKRS			
1600 - 1630					
1630 - 1700					
1700 - 1715	Break				
1715 - 1730	Inauguration + GBM				
1730 - 1800	Inauguration + GBM				
1800 - 1830	Inauguration + GBM				
1830 - 1900	Banquet				

DAY 3 - 8TH DEC, 2024



SCIENTIFIC FEAST with a *dehri* twist

	Screen 1	Screen 2	Screen 3	Hall B	CSI Course
0800 - 0830	Symposium: Breaking news	Symposium: Eye Banking	Symposium: Phakic IOLs	Near Live Surgery 4 Surface Reconstruction & Sponsor Session	Corneal Tattooing
0830 - 0900					
0900 - 0930					
0930 - 1000	Spotlight: Cataract surgery in corneal disease	Spotlight: Ocular regeneration	Spotlight: OCT & Topography	MMG	
1000 - 1030					
1030 - 1100	BREAK				
1100 - 1130	Spotlight: Keratoplasty	Spotlight: Biomaterials	Spotlight: Ocular Pharmacology		
1130 - 1200					
1200 - 1230	Best of the Best				
1230 - 1300					
1300 - 1330					
1330 - 1400	LUNCH				
1400 - 1430					



Cornea Society of India

ANUJ CHAUHAN
USA



AUDREY ROSTOV
USA



BEATRICE COCHENER
FRANCE



DAVID LOCKINGTON
UK



GERAMI SEITZMAN
USA



RUPESH AGARWAL
SINGAPORE



RAJIV R. MOHAN
USA



MASSIMO BUSIN
ITALY



MARIO NUBILE
ITALY



HAZEM M. YASSIN
EGYPT



SONAL TULI
USA



SHIZUKA KOH
JAPAN



SHARLENE NOGUERA
PHILIPPINES



SANJAY V PATEL
USA



RANIA SOBHI ZAKI
EGYPT



VISHAL JHANJI
USA



TAREK KATAMISH
EGYPT



TAKAHIKO HAYASHI
JAPAN



MEET OUR ILLUSTRIOUS INTERNATIONAL EXPERTS

KERAACON 2024

Where all Cornea Meets



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12th Annual National Conference
of Cornea Society of India

6th - 8th December 2024, Bengaluru

Conference Venue :
Clarks Exotica - Ocean Convention Center

SCIENTIFIC FEAST
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CSI COURSES

DMEK | DALK | SLET | DSEK | MMG
CORNEAL TATTOOING **NEW**

HIGHLIGHTS

- Pre- course classes with mentor
- Assignment based
- On-site Wetlab
- Post Wetlab mentoring
- Certification

www.corneasocietyindia.org

LIMITED SEATS
AVAILABLE

0930 - 1030 Free Paper 1

SCREEN 1

0930 - 1030 Free Paper 2

SCREEN 2

Role of Penetrating Keratoplasty - Basic to Advanced

SCREEN 3

Chief Instructor: M.Nishanth

Relevance of Penetrating keratoplasty in today's scenario	Sujatha Mohan
Steps of Penetrating keratoplasty	Madhuvanathi Mohan
The latest advances of Penetrating keratoplasty	M Vanathi
Complication management in Penetrating keratoplasty	Aswathy Vijayan
Cataract management with penetrating keratoplasty	M Nishanth

Calming The After-Calamity Approach to Patient and Management of Acute Ocular Emergencies

SCREEN 4

Chief Instructor: Pallavi Joshi

THE WHITE NIGHTMARE: Assessment & Medical management acute Chemical injuries	Vinay S Pillai
TIMELY INTERVENTION: Surgical tools in Acute chemical injuries	Pallavi Joshi
TAMING THE MELTS: Management Corneal melts in DED & PUK	Sharon D'Souza
SAVING THE HELPLESS EYE IN STORM: Ocular management in acute SJS	Thanuja G P
HANDLING THE PATIENT BEYOND THE EYE: Proper documentation/Patient counseling	Ankit Deokar

Role of Contact Lenses for Various Corneal and Ocular Surface Disorders

SCREEN 5

Chief Instructor: Simmy Chaudhary

Contact lenses: Types, indications, material and properties	Purvasha Narang
Rigid corneal lenses: Parameters selection and fitting assessment	Akhil Bevara
Scleral contact lenses: Parameters and fitting assessment and challenges	Simmy Chaudhary
Case based discussion: Rigid and scleral contact lenses	Santosh Suman

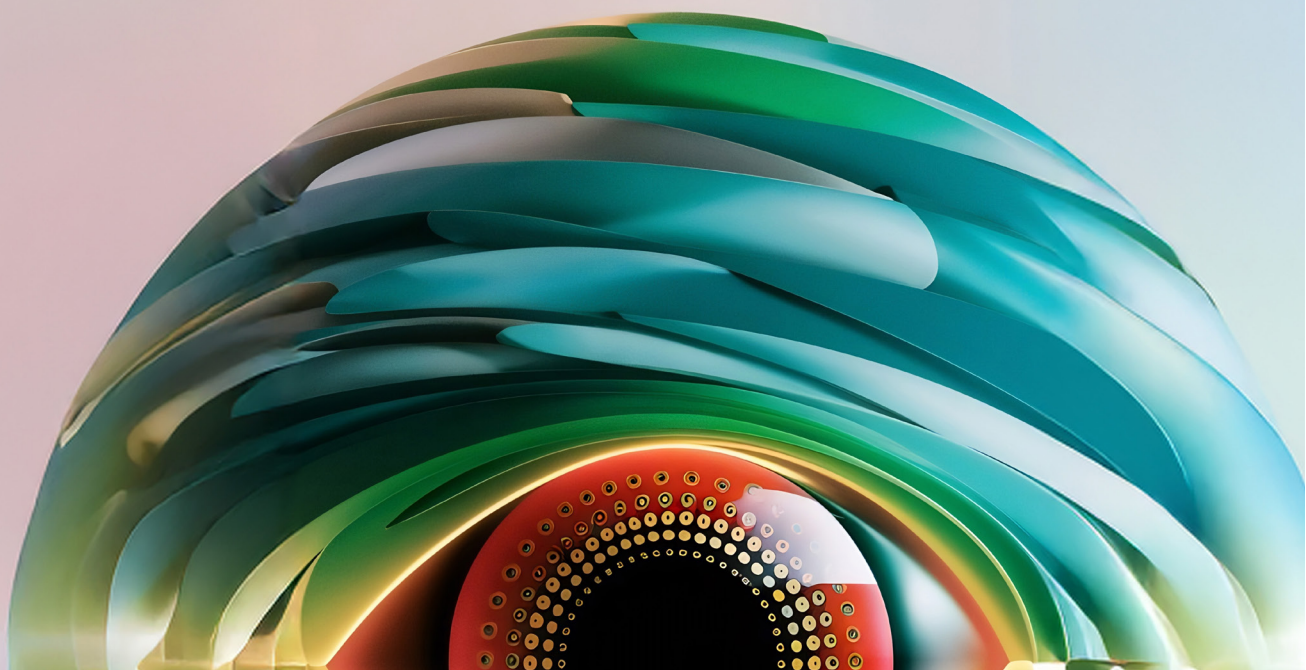
Contemporary Trends in Ophthalmic Visual Media : A Comprehensive Exploration of Capture, Editing, and Analysis

SCREEN 6

Chief Instructor: Pranesh Ravi

Enhancing Smartphone Image Capture: Innovative Strategies and Key Considerations	Pranesh Ravi
Efficient Video Editing Methodologies for Novice Practitioners	Radhika Natarajan
A Systematic Approach to Photographic Documentation: Temporal and Causal Analysis	Nishanth Madhivanan
Cognitive Processes in Award-Winning Video Production: An Analysis of Creative Ideation	Devyani Gadre
Evolving Paradigms in Visual Documentation: A Novel Research Perspective on Photo and Video Techniques	Ramya Ravindran

Near Live Surgery 1 Refractive Surgery	
Moderators: Shreyas Ramamurthy, Supriya Sriganesh	
Panelist: Ritika Sachdev, Muhammad Asif, Beatrice Cochener, Vishal Jhanji	
Toric ICL post DALK	Sheeresh Kodavoor
IPCL	Himanshu Matalia
SMILE	Sri Ganesh
CLEAR	Prakhyat Roop
SILK	Rushad Shroff
Stromal inlay	Namrata Sharma
TGPRK with XENIA	Pravin Krishna Vaddavalli
LASIK / FS-LASIK	Amit Gupta
Custom CXL	Vardhaman Kankariya
INTACS	Sahil Goel
CAIRS	Soosan Jacob
Discussion	
Industry Symposium 1	



1045 - 1145 Free Paper 3

SCREEN 1

1145 - 1245 Free Paper 4

SCREEN 2

Day 1 - 6th DECEMBER, 2024 | 1045 -1215

Cataract Surgery in Corneal Pathologies

SCREEN 3

Chief Instructor: Shalini Singh

Insightful approaches to cataract surgery in presence of scarred and irregular cornea	Priyanka Pantola
Navigating cataract surgery in eyes with low endothelial cell count: Strategies for success	Sunita Chaurasia
Unveiling strategies for cataract surgery in eyes post Refractive surgery (RK/PRK/LASIK)	Shipa Das
Cataract surgery in Ectasia-Keratoconus, Pellucid	Sunita Chaurasia/ Shalini Singh
Illuminating the path: Cataract surgery in Ocular surface disorder (Dry eyes/SJS/OCP/ Chemical burns)	Somasheila Murthy
Cataract surgery in post-transplant(PK/ALK/ EK)eyes	M Vanathi

Comprehensive Approach to Cicatrizing Conjunctivitis

SCREEN 4

Chief Instructor: Geetha Iyer & Swapna Shanbhag

Nuances in Using Various Modalities of Cross Linking

SCREEN 5

Chief Instructor: Shreyas Ramamurthy

Cross linking in thin corneas - Adaptive fluence vs tissue augmentation techniques	Jagadeesh Reddy
High fluence Customised Cross linking.	Shreyas Ramamurthy
Use of oxygen supplementation & pulsing in combination with Transepithelial CXL	Raksheeth Nathan
Role of CXL in reducing regression	Shreesh Kumar
Nuances in planning & case selection of topo guided treatment	Nishanth
Customised PTX (TREK) and its positioning in treatment of Keratoconus	Abirami

Tips and tricks for successful Corneal Tattooing

SCREEN 6

Chief Instructor: Quresh B. Maskati

Introduction	Quresh B Maskati
Use of soot from candles.. various techniques	M S Ravindra
Tattooing with a Chinese Gun and India Black ink.. lessons learnt	Aditya Pradhan
Use of different dyes for tattooing	Kunjal Sejjal
Tattooing with Automated lamellar keratoplasty - my technique	Prateek Gujar
Tattooing combined with Gunderson Flap Conjunctivoplasty- making patient symptom free and cosmetically happy	Quresh B Maskati
Complications of Tattooing	Kunjal Sejjal
Audience interaction	

SCREEN 1

1145 - 1245 Free Paper 5

SCREEN 2

1245 - 0145 Free Paper 6

Day 1 - 6th DECEMBER, 2024 | 1215-1345

SCREEN 3

Non-Viral Keratitis -A Current Understanding and the Management in Post-surgical and Post-traumatic Conditions

Chief Instructor: Preethi Naveen

Post Lamellar Keratoplasty/Penetrating Keratoplasty	Prateek Gujar
Post Endothelial Keratoplasty	Niveditha Narayanan
Post Kpro	Vikas Mittal
Post Trauma	Preethi Naveen
Post LVC and CXL keratitis	Radhika Natarajan

SCREEN 4

Ocular Surface Neoplasia Decoded

Chief Instructor: Paras Mehta

Introduction to the course	Paras Mehta
Myriad Clinical Presentations with Key points for Clinical Diagnosis	Paras Mehta
Diagnosis and differentiation from other clinical entities	Rama Rajagopal
Medical management, what, when, how and why? Outcomes	Uma Sridhar
Tips and Tricks of Surgical Management and management of Recurrence	Geetha Iyer
Masquerades and Challenges	Geetha Iyer
Discussions	

SCREEN 5

Intrastromal keratoplasty - Know How's & more in intrastromal lenticule implantation for keratoconus

Chief Instructor: M Vanathi

Stromal augmentation with intrastromal tissue implantation: Indications, case selection & does it really help?	J K Reddy
Techniques in Donor tissue preparation	Rajesh Fogla
Host corneal bed preparation: Manual dissection	Samar Basak
Host corneal bed preparation: Femtosecond laser dissection and host tissue implantation concerns, outcome & results	M Vanathi
Results of stromal augmentation with Intrastromal SMILE lenticule implants –	Rajesh Sinha
Intrastromal keratoplasty in combination with collagen crosslinking –	Vikas Mittal
Results of Intrastromal artificial corneal implants	Namrata Sharma
Panel Discussion	

Therapeutic Penetrating Keratoplasty

SCREEN 6

Chief Instructor: Swapnil Bhalekar

Indications, preoperative evaluation, planning, and postoperative management of Therapeutic PK

Jayesh Vazirani

Surgical techniques and tips specific to Therapeutic PK

Swapnil Bhalekar

Therapeutic PK for pediatric cases

Muralidhar Ramappa

Therapeutic patch grafts for localized infections

Santosh Suman

Insights into DALK in infectious keratitis

Bhupesh Bagga

Visual rehabilitation after Therapeutic PK

Swapnil Bhalekar

SCREEN 1

1245 - 1345 Free Paper 7

SCREEN 2

1245 - 1345 Free Paper 8

HALL B

1400 - 1500 - Quiz

1500 - 1600 - JAM

Cordinators: Nikhil Gokhale, Parul Deshpande

Panelist: Bhaskar Srinivasan, Jayesh Vazirani, Vikas Mittal, Sunita Chaurasia

CAIRS Segment Success: Quick Fix Tricks!!

Keziah Mary Thomas

Anterior Lamellar Rotation for Ocular Surface Leaks

Gautam Singh Parmar

Intraoperative air enhanced visualisation of guttae for novice surgeons

Sohini Mandal

DM schisis during graft preparation

Soham Basak

Conjunctivitis-looking beyond the eye

Sangeeta Wagh

CAIRS In Management Of Intacs Extrusion - A Novel Approach

Sujatha Mohan

Taming the 'floppy'

Roopashri Matada

Air-DSEK gone AWRY!

Soham Basak

JAM - Prove A Point.

Krishnaja Mandava

Intraoperative Corneal Perforation During Keratopigmentation

Raj Shekhar Paul

Intrastromal injection for fungal TPK

Geeta Behera

Unearthing The Unseen!

Nitish Kumar

SCREEN 1

1400 - 1500 Free Paper 9

SCREEN 2

1500 - 1600 Free Paper 10

Viral Keratitis

SCREEN 3

Chief Instructor: Priya Srinivas

Viral Keratitis --An enigma that baffles	Prabhat Nangia
The curse of the nerves--The neurotrophic aka metaherpetic ulcer	Priya Srinivas
Diagnosis--Are we testing enough ?	Nilakshi Baruah
The comebacks are grave--how to handle recurrences	Bharti Ahuja
To touch or not to touch -- the role of surgical interventions	Rishi Swarup
Discussion	

Mastering Systemic Immunomodulation for Corneal Diseases

SCREEN 4

Chief Instructor: Anahita Kate

Overview of Systemic Immunosuppression	Anahita Kate
Systemic Immunosuppression in Ocular Allergy	Jayesh Vazirani
Approach to Immunosuppression in Peripheral Ulcerative Keratitis and Scleritis	Anahita Kate
Role of Immunosuppression in Dry Eye Disease	Swapna Shanbhag
Immunosuppression in Mucous Membrane Pemphigoid	Sayan Basu
High risk grafts, graft rejection and Allo-limbal stem cell transplantation	Virender S Sangwan
Discussion	

The art of pupilloplasty and iris surgery tips and tricks

SCREEN 5

Chief Instructor: Hazem M Yassin

Introduction	Rania Sobhi
Plan of surgery	
Step by step suturing techniques	Hazem M Yassin
Pupilloplasty tips.	
Iridodialysis repair	
Combined techniques	
Changing location	
Complications	
Iris prosthesis	
Q/A	

Microbial marauders- Delving in to infective keratitis

SCREEN 6

Chief Instructor: Swetha Mallagundla

How to suspect the implicated microbe clinically?	Thanuja G P
Diagnostic considerations and recent trends in the management of bacterial keratitis	Swetha M
Fungal Keratitis- The ever ubiquitous; changing trends in diagnosis and management	Parasappa Bandrakalli
Acanthamoeba and other microbes- What's there and what's new	Anil Raj
What ,when and how about surgical interventions in infective keratitis	Yathish S

SCREEN 1

1500 - 1600 Free Paper 11

SCREEN 2

1600 - 1700 Free Paper 12

Day 1 - 6th DECEMBER, 2024 | 1600 - 1730

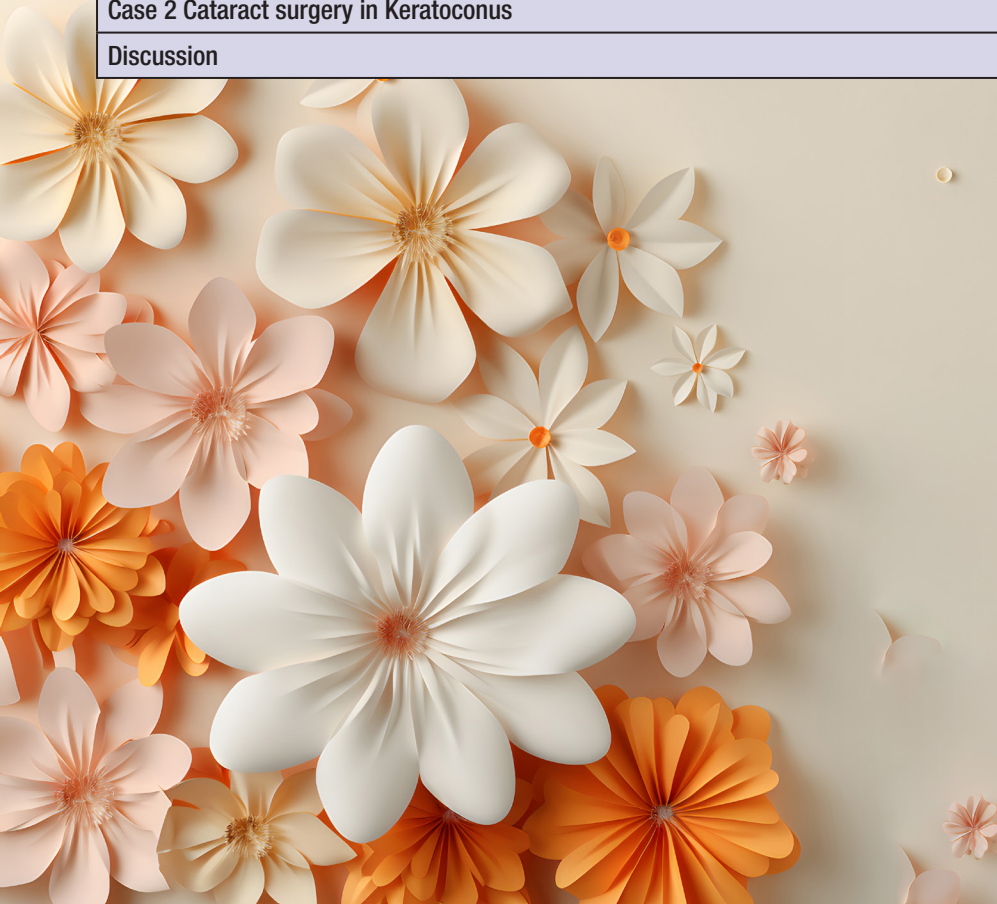
SCREEN 1

Spotlight: Cataract Surgery

Cordinators : Gaurav Luthra, Amit Gupta

Panelist : Kavita Rao, Rishi Swarup, Jagadeesh Reddy, Vardhaman Kankariya, Arun Jain, Sanjay V Patel, Mohan Rajan, Kiranjit Singh

Keynote- Biometry pearls and Challenges in abnormal/ touched corneas.	Rishi Swarup
Ocular biometry in dry eye	Shizuka Koh
Cataract surgery in eyes with Fuchs dystrophy	Gerami Seitzman
Safe use of surgical adjuncts in cataract surgery	David Lockington
Newer diagnostics and formulas/ AI for IOL power calculations.	Shreyas Ramamurthy
IOL considerations and asphericity challenges in post refractive surgery eyes	Sri Ganesh
Intraoperative biometry for post RK, post H lasik and OPK eyes	Amit Gupta
Is Laser Cataract Surgery still relevant in 2024?	Gaurav Luthra
Case 1- Double trouble- Biometry in post RK, post lasik flat cornea.	Tushar Grover
Case 2 Cataract surgery in Keratoconus	Amit Gupta/ team
Discussion	



Spotlight: Refractive Surgery (Debates)		SCREEN 2
Cordinators : Vardhaman Kankariya, Rushad Shroff		
Panelist : Jeewan S Titiyal, Chitra Ramamurthy, Sri Ganesh ,Ritu Arora		
Debates		
465 micron cornea with normal topography, tomography and biomechanics Refractive error -3.0DS		
Surface Ablation	Tushar Grover	
ICL	Rajat Jain	
Low Myopia, small WTW with yellow posterior elevation on BAD display		
KLex	Rashmi Deshmukh	
ICL	Bhupesh Singh	
ICL sizing		
New formulas & OCT based sizing is the way to go	Manpreet Kaur	
Digital caliper, Pentacam and traditional sizing still the best	Ritin Goyal	
Didactic Lectures		
Complications of KLEX surgery Part 1	Vardhaman Kankariya	
Complications of KLEX surgery Part 2	Chitra Ramamurthy	
"Planning Topography guided LASIK On Phorcides"	Rushad Shroff	
Cases		
Overview of klex evolution	Mario Nubile	
The Long night – My LASIK nightmare	Ikeda Lal	
Discussion		

Free Paper 13	SCREEN 3
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Free Paper 15	SCREEN 4
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Free Paper 14	SCREEN 5
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Free Paper 16	SCREEN 6
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Symposium: Keratoconus		SCREEN 1
Cordinators : Jatin Ashar, Rashmi Deshmukh		
Panelist : Jeewan S Titiyal, Pravin Krishna Vaddavalli, Vikas Mittal, Audrey Rostov Talley		
Novel Medical Devices - Imaging Innovations		
Keratoconus eye rubbing often or always		Beatrice Cochener
Updates in the Diagnosis of Progressive Keratoconus		Sohini Mandal
Collagen crosslinking in sub400 cornea – what is the best protocol?		Rushad Shroff
Discussion		
CXL-Plus – How to improve outcomes?		Pravin Krishna Vaddavalli
Case Presentation		
Discussion		
Stromal Keratophakia in Keratoconus- does it have a role?-		Sri Ganesh
Challenges in DALK in Keratoconus –		Rajesh Fogla
Case Presentation		
Discussion		

Symposium: Technology		SCREEN 2
Cordinators : Vineet P Joshi , Gairik Kundu		
Panelist : Venkatesh Prajna , Pravin Krishna Vaddavalli, Tushar Agarwal, Ashish Nagpal , Shizuka Koh		
Polarisation Sensitive OCT		Panaah Shetty
ARTELUS– Portable Handheld ASOCT -		Girish Somvanshi
Data Science : LLM and AI Technology Applications		
AI in DMEK		Takahiko Hayashi
AI in Corneal Infections		N Venkatesh Prajna
Applications of AI and Chat GPT in Corneal Transplants follow up care		Vineet P Joshi/ Tanmay Gokhale
A novel AI assisted voice based review system for multicentered hospitals		Guduru Prabhakar
Novel Therapies :Innovation		
Biomarker Kit		Deepthi R H
Exosomes in Dry eye Therapy		Vivek Singh
AI in ocular Surface		Beatrice Cochener
Panel Discussion		

Symposium: Complex Anterior Segment reconstruction		SCREEN 3
Cordinators : Prateek Gujar, Soham Basak		
Panelist : Ashok Sharma, Rishi Swarup, Vikas Mittal, Sunita Chaurasia		
Planning and principles of AC reconstruction		Prateek Gujar/ Soham Basak
Role of Imaging in AC reconstruction: UBM & ASOCT		Mona Bhargava
AC reconstruction in endothelial keratoplasty		Takahiko Hayashi
Iris repair techniques and management of aniridia		Rishi Swarup
Secondary IOL for the corneal surgeon		Vikas Mittal
AC reconstruction in trauma		Ashok Sharma
Multi-staged AC reconstruction after trauma		Praveen Dhanapal
AC reconstruction in large grafts/repeat keratoplasty		Vikas Mittal
Managing Secondary Glaucoma after AC reconstruction		Vineet P Joshi
AC reconstruction in congenital anomalies/dysgenesis		Mrinmoy Das
AC reconstruction + EK in Iris Cyst		Sunita Chaurasia

Near Live Surgery 2 Corneal Transplantation	
Cordinators: Namrata Sharma, Santosh Suman	
Moderators: Merle Fernandes, Jaya Gupta	
Panelist: Divya Manohar, Jatin Ashar, Ashish Nagpal, Rishi Swarup, Tushar Agarwal, Nidhi Gupta, Sunita Chaurasia, Niveditha Narayan, Mario Nubile, Massimo Busin	
Penetrating Keratoplasty with IOL / secondary IOL implantation	Soham Basak
Mushroom Penetrating Keratoplasty	Amit Gupta
Therapeutic Penetrating Keratoplasty	Merle Fernandes
Big Bubble DALK	Sharon D'Souza
Manual DALK	Tarek Katamish
Manual DSEK	Sharlene Noguera
DSAEK (iOCT guided)	Jeewan S Titiyal
DMEK	Santosh Suman
DMEK in vitrectomised eye	Takahiko Hayashi
Discussion	



ECLA : How Do I Manage Corneal Ectasia in 2024		SCREEN 1
Cordinators : Sonal Tuli, Vishal Jhanji		
Panelist : Jatin Ashar, Sridevi Nair, Jaya Gupta, Rashmi Deshmukh		
OCT Corneal layer thickness mapping reveals pathologic processes of keratoconus		Shizuka Koh
What is new in Crosslinking		Namrata Sharma
Crosslinking in Developmentally Delayed Patients		Vishal Jhanji
Corneal Hydrops: surgery or observation		Sanjay V Patel
My preferred surgical options		Sonal Tuli
Refractive surgery for keratoconus		Audrey Rostov Talley
SALK for ectasia in keratoconus		Mario Nubile
Epidemiology of Keratoconus		Rohan Singh
Discussion		

Symposium: Surgical innovations		SCREEN 2
Cordinators : Prafulla Maharana , Prakhyat Roop		
Chair : Namrata Sharma , Rajesh Fogla		
Panelist : JK Reddy, Virender S Sangwan, Sayan Basu		
Femtosecond LASER to the Rescue : DMEK <i>(Recorded)</i>		Jod S Mehta
Stromal peeling for post PK Stromal diseases		Massimo Busin
Tuck-in technique for Tenon's Graft		Rahul Bafna
When bioptics distorts the optics-managing the nightmare!		Manpreet Kaur
IOL Cutting device		Neha Dholakia
Capsulaser		
Xenia implant		Rashmi Deshmukh
Synthetic implant ENDOART		J K Reddy
Panel Discussion		

Latest in translational research in cornea		SCREEN 3
Cordinators: Sharon D'Souza, Anahita Kate		
Panelist: Virender S Sangwan, Pravin Krishna Vaddavalli, Rajiv Mohan		
Physiology based pharmacokinetic model for Ophthalmic Drug Delivery		Anuj Chauhan
Mesenchymal Stem Cells: Regenerative Medicine for Corneal Disorders		Sayan Basu
Bioengineered Corneas		Namrata Sharma
Novel approaches to Corneal vessels		David Lockington
Gene therapy in Corneal diseases		Rajiv Mohan
Ocular surface and Immunology-An Update		Swaminathan Sethu
Simple Non Cultured Endothelial transplant		Nidhi Gupta
Discussion		

Cornea Society: Controversies in cornea and refractive		SCREEN 1
Cordinators : Sonal Tuli, Audrey Rostov Talley		
Panelist : Gerami Seitzman, Vishal Jhanji, Sanjay V Patel		
DSAEK or DMEK		Vishal Jhanji
Are All Guttae Equal?		Sanjay V Patel
Acanthamoeba and Steroids: Friend or Foe		Gerami Seitzman
When and How Long to Use Antivirals in HSV/VZV Keratitis		Sonal Tuli
DSEK DMEK Complications		Audrey Rostov Talley
Graft rejection and vaccinations		David Lockington
Discussion		

EuCornea		SCREEN 2
Cordinator: Namrata Sharma		
Panelist : Beatrice Cochener, Mario Nubile, David Lockington, Massimo Busin		
Neurotrophic keratopathy-medical vs surgical management		Mario Nubile
Two step approach for surgical treatment of corneal infections		Massimo Busin
Superhero approach to corneal melt		David Lockington
Endo art artificial endothelium - how & when?		Beatrice Cochener
Discussion		

Spotlight: Contact lenses		SCREEN 3
Cordinators: Lakshmi Shinde, Monica Chaudhry		
Panelist: Varsha Rath, R R Sudhir, Vinay Agarwal, Rajesh Sinha, Sonal Tuli, Anuj Chauhan		
Introduction		
Novel eyes drops and contact lenses for Cystinosis therapy		Anuj Chauhan
Are Scleral solution to many clinical issues??		
Orthokeratology: patient data shows it all!!		
Patient after care: Panel Discussion		
Tips in selecting right design: Scleral vs corneal		Monica Chaudhry
TBD		Vinay Agarwal
CL related infection		Sonal Tuli
Discussion		

Near Live Surgery 3

IOL related

Cordinators : Harshul Tak, Niveditha Narayanan

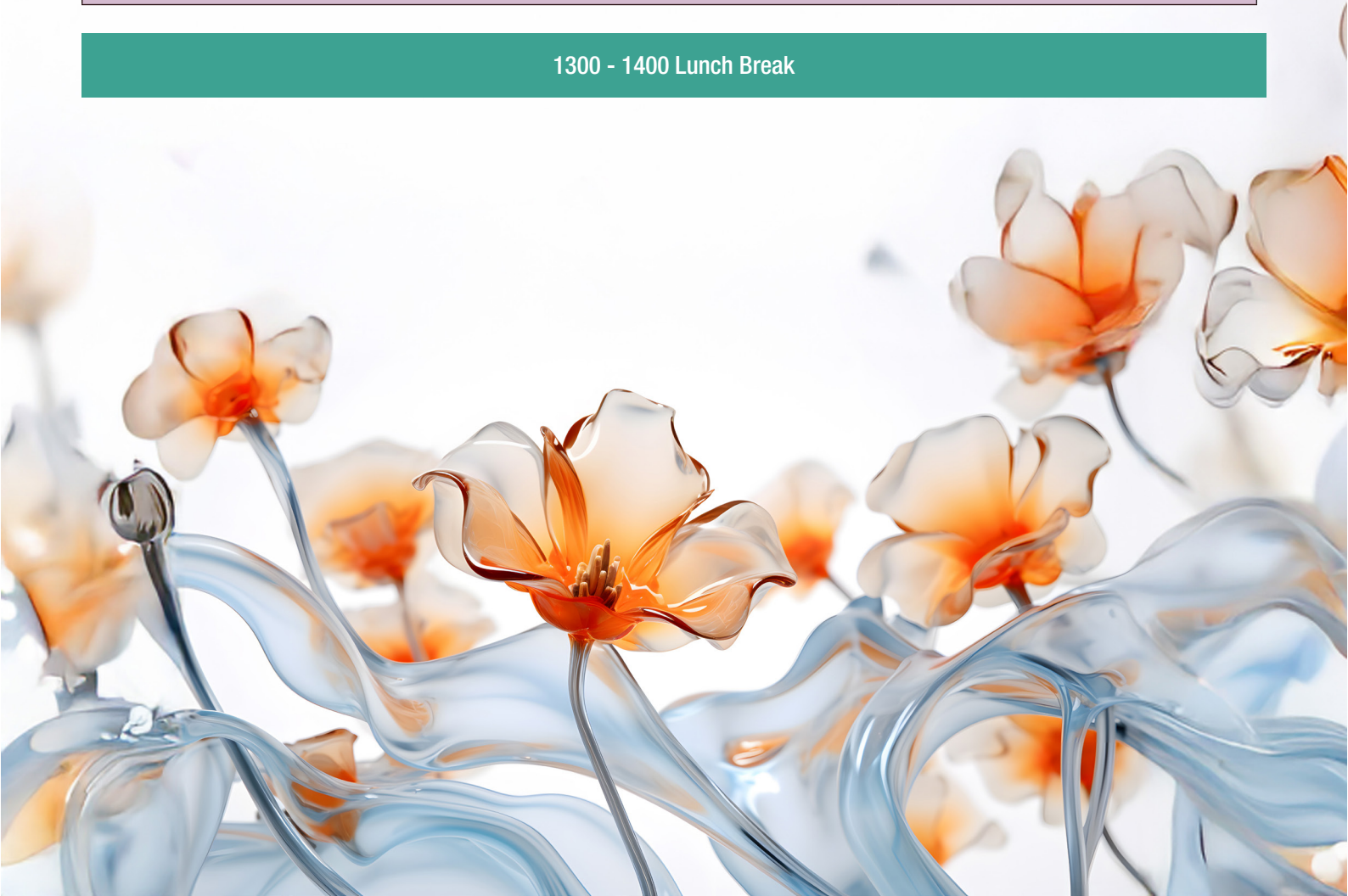
Moderators : Gaurav Luthra, Savio Pereira

Panelist: Rajesh Sinha, Revathi R, Bhaskar Srinivasan, Soham Basak, Tanuj Dada, Sonal Tuli, Praful Maharana

IOL exchange / Secondary IOL implantation - Iris claw	Kiranjit Singh
IOL exchange / Secondary IOL implantation - Flanged IOL	Mohan Rajan
IOL exchange / Secondary IOL implantation - Suture fixation	Niveditha Narayanan
Cataract surgery post PKP / DALK / EK	Vineet P Joshi
IOL surgery post refractive surgery	Sreyas Ramamurthy
IOL surgery post RK eyes	Gaurav Luthra
Capsulaser	Jai Kelkar
Isent	Sri Ganesh
KDB	
Bang Procedure	Sushma Tejwani
Discussion	

Industry Symposium 2

1300 - 1400 Lunch Break



Spotlight: Lamellar Keratoplasty		SCREEN 1
Coordinators: Rishi Swarup, Santosh Suman		
Chair: Samar Basak		
Panelists: Jeewan S Titiyal, Takahiko Hayashi, Tarek Katamish		
Keynote: What can go wrong in DALK	Tarek Katamish	
DALK In Post hydrops	Sharon D'Souza	
Groove and Peel DALK in Post-CXL case	Pratik Gujar	
DSEK in complex cases	Vineet P Joshi	
DMEK in patient with shunt tube in AC	Siddharthan K S	
Keynote: DALK Innovations	Massimo Busin	
Keynote: DMEK - Advanced Surgical Techniques	Takahiko Hayashi	
Discussion		

Spotlight: Corneal Infections (Acanthamoeba Keratitis)		SCREEN 2
Cordinators : Bhupesh Bagga,Radhika Natarajan		
Panelist : Joveeta Joseph, Sonal Tuli, Shweta Agarwal, Mario Nubile, Manisha Acharya		
Advanced Diagnostic Techniques and the Role of Imaging	Gerami Seitzman	
Newer Therapeutic Modalities	Bhupesh Bagga	
In vivo imaging of acanthamoeba keratitis with IVCM (with clinical insights of efficacy of Akantior eyedrops in patients follow up)	Mario Nubile	
Case Discussions		
Routine AK management	Vibha Singh	
Acanthamoeba Keratitis (AK) with HSV	Amrita Mohanty	
AK with Fungal Infection	Shweta Agarwal	
AK with Comorbidity	Sangeeta Wagh	
Kerato Neuritis as a Presentation	Manisha Acharya	
Empirical Treatment for AK	Ritu Arora	
Panel discussion		

Asia Cornea Society		SCREEN 3
Cordinator: Namrata Sharma		
Panelist: Vishal Jhanji, J K Reddy		
Fourier analysis on irregular corneal astigmatism using OCT in different stages of keratoconus	Shizuka Koh	
DMEK in different ocular comorbidity cases	Tarek Katamish	
Anterior segment reconstruction in patients of endothelial keratoplasty	Takahiko Hayashi	
Recurrence: Bugbear in Pterygium surgery: Managing that pesky recurrent pterygium	Sharlene Noguera	
Novel Artificial Intelligence (AI)-based segmentation and heuristics of Anterior Segment OCT Using Vision Transformers	Rupesh Agarwal	
Bioengineering solutions in cornea and ocular surface health care delivery platforms: stratospheric or affordable?	Radhika Tandon	
Discussion		

1300 - 1400 Lunch

Symposium: Ocular trauma		SCREEN 1
Cordinators : Alok Sati, Sushank Bhalerao		
Panelist : Rupesh Agrawal, Purendra Bhasin, Radhika Tandon, Geetha Iyer		
Welcome and Introduction	Sushank Bhalerao	
“Setting the Stage: Innovations in Anterior Segment Trauma Care”		
Keynote Address: From BETTs to BETTs 2.0: Revolutionizing Ocular Trauma Classification with IGATES”	Rupesh Agrawal	
Speaker Presentations		
Precision in Repair: Next-Gen Surgical Techniques for Corneal Lacerations	Alok Sati	
Mastering Iris Repair: Modern Techniques and New Horizons”	Sushank Bhalerao	
Keynote:Decoding Acute ocular Burns	Geetha Iyer	
Application of Novel AI tools in corneal trauma	Atharva Hudilkar	
Case Presentations		
A New Lens: Introducing a Novel Corneal Trauma Classification System	Paola Saboya	
Healing Young Eyes: Advances in the Treatment of Pediatric Traumatic Cataract	Purendra Bhasin	
Q & A and Panel Discussion		
Bridging Innovation and Practice: Expert Panel Discussion		
Concluding remarks	Alok Sati	

Symposium: LSCD		SCREEN 2
Cordinators: Swapna Shanbhag, Bhaskar Srinivasan		
Panelists: Geetha Iyer, Sayan Basu, Virender S Sangwan, Vishal Jhanji		
Diagnosis and preoperative evaluation	Anahita Kate	
Management algorithm for LSCD	Bhaskar Srinivasan	
Treatment of partial LSCD	Simmy Chaudhary	
Fornix reconstruction in cases of LSCD	Shweta Agarwal	
Autologous SLET for LSCD in chemical burns	Nidhi Gupta	
Improving outcomes of SLET in complex cases	Swapna Shanbhag	
Keratoprosthesis in bilateral LSCD	Vinay S Pillai	
Case 1: Allogeneic SLET	Supriya Sharma	
Case 2: SLET without AMG	Vikas Mittal	
Case 3:	Varsha Bhambhani	
Panel discussion		

Spotlight: Fuchs Dystrophy

Cordinators: Sunita Chaurasia, Divya Manohar

Panelist: M Vanathi, Revathi R, Prema Padmanabhan, David Lockington, Sanjay V Patel

Keynote: 'Association of Guttae and Vision Parameters- Current Understanding'	Prema Padmanabhan
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Keynote: Surgical decision making in Fuchs endothelial Dystrophy	Sanjay V Patel
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Investigation Recommended in Fuchs- Interpretations with Case Scenarios and Examples	Sunita Chaurasia
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Pharmacotherapy in managing Fuchs- Various Options and Recommendations	C Nandhini
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DSO/DWEK in Fuchs- Current Status and Personal experiences	Divya Manohar
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Genetic Testing in Fuchs dystrophy- Relevance in understanding the disease and how it can help	Soham Basak
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Consensus in Management of Fuchs- Need for Delphi Panel and Results	Nidhi Gupta
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Evolving Understanding of the disease pathogenesis guiding Novel Therapeutics	Sharon D'Souza
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Atypical FECD cases:	
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Q & A	
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The relevance and opportunity for AI in healthcare

SCREEN 1

Moderator: Pravin Krishna Vaddavalli

Prof. Anurag Agarwal

Dean, BioSciences & Health, Research, Trivedi School of Biosciences, Ashoka University

Dr. Ramesh Hariharan

CEO, Strand Genomics, Adjunct Asst Prof, IISc, Bangalore

Mr. Venkat N Peri

Co Founder & CEO, Cognitive Care, Chief Data Science officer, LVPEI, Hyderabad



Prof. Anurag Agarwal
Dean, BioSciences & Health
Research, Trivedi School of
Biosciences, Ashoka
University



Dr. Ramesh Hariharan
CEO, Strand Genomics,
Adjunct Asst Prof, IISc,
Bangalore



Mr. Venkat N Peri
Co Founder & CEO Cognitive Care
Chief Data Science officer,
LVPEI, Hyderabad

Few disciplines and paradigm shifts have caught the imagination as much as Artificial Intelligence has over the last few years. The prospects of what AI can accomplish in every human endeavor are exciting and outright scary. From machines that can mimic human behaviour to speak, sing, and write to software that can generate new protein structures to drugs that can be designed and tested with synthetic data - are no longer limited to fiction - they are a reality.

Healthcare in general and Vision in particular are no exception to these developments. Eye Care has been an early adapter of leveraging AI, thanks to the massive volumes of images our work generates. Automatic image reading and predicting anomalies seems like an easy candidate for the application of AI. The reality though is that much of the work is still confined to a small set of use cases - mostly improving the quality of images to identifying and leveraging some image reading capabilities in limited resource settings.

For most of us, practising doctors and scientists, our days have become longer; more patients need our attention and we still have found no silver bullet to make software take away our perennial Achilles heel - good quality data! How do we address this conundrum? How can we collectively address this problem? How can we tap into the power of digital health evolution in general and AI, in particular, to help improve outcomes and reduce physician burden?

We have 3 illustrious panelists to talk about this topic. Dr. Anurag Agrawal, Dr. Ramesh Hariharan and Venkat Peri.

They collectively will help us appreciate the fiction from reality, the practical relevance and application of AI; the importance of generating good quality and accurate data and that much of the work is hard-grind notwithstanding the developments of AI.

SCREEN 2

ISCKRS

Cordinators: Jeewan S Titiyal, Rajesh Sinha

Chairperson: Namrata Sharma

Panelist: Vikas Mittal, Paras Mehta, Amit Gupta, Vinay Pillai

Case 1

Case 2

Investigations: Confoscan in Microbial Keratitis Differentiating from Artifacts

Investigations: Corneal Scraping for microbial Keratitis: The Correct way

Interventions: Intrastromal and Intracameral antimicrobials

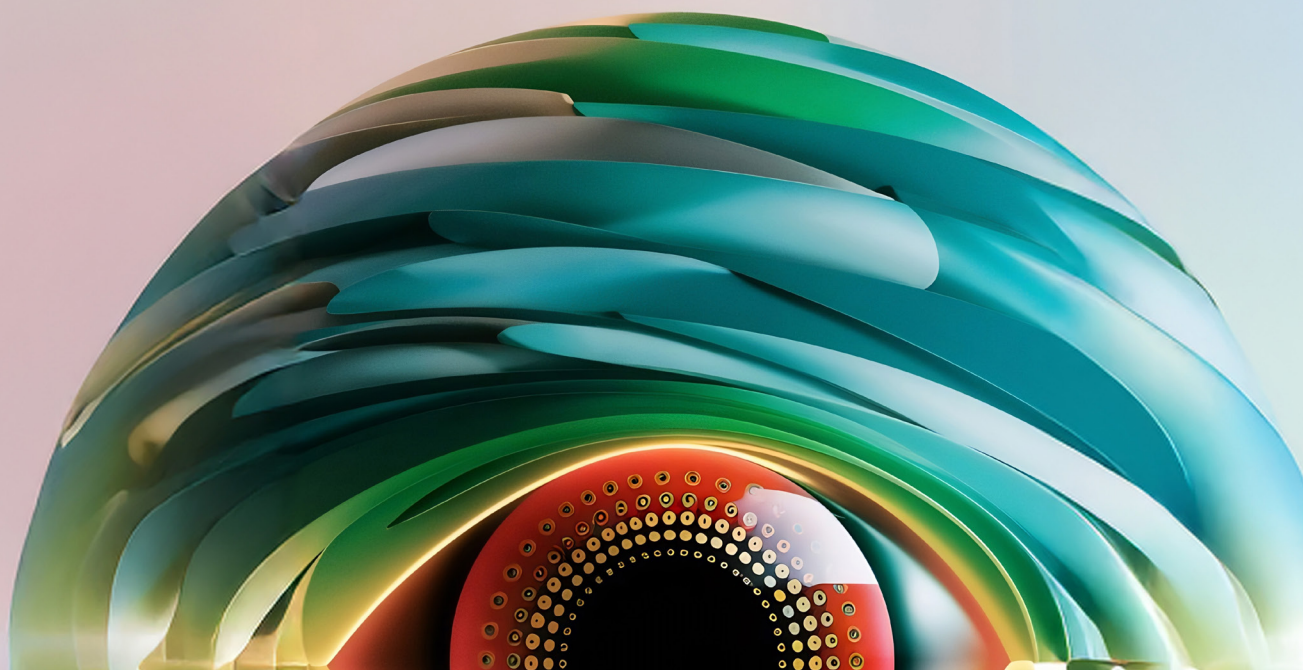
Interventions: Corneal Gluing for Perforations

Disucssion

1700 - 1715 Break

1715 -1830 Inauguration and GBM @ Hall B

1830 - 1900 Banquet



Symposium: Breaking news		SCREEN 1
Cordinators: Aditya Pradhan, Manpreet Kaur		
Chairpersons: Namrata Sharma, Virender S Sangwan		
Panelist: Sharon D'Souza, Vikas Mittal		
Inflammatory mediators & dry eye disease	Sharon D'Souza	
SOMET	Sayan Basu	
Overview of klex evolution	Mario Nubile	
Circle pattern	Manpreet Kaur	
Bowman Membrane Transplantation	Vikas Mittal	
CAIRS	Rajesh Fogla	
Cultured Corneal Endothelial Cells	Abha Gour	
Bioengineered corneas	Sayan Basu	
Panel Discussion		

Symposium: Eye Banking		SCREEN 2
Cordinators: Sujata Das, Radhika Tandon		
Chairpersons: Namrata Sharma, Pravin Krishna Vaddavalli, Samar Basak		
Panelist: Radhika Natarajan, Sunita Chaurasia, M Vanathi, Rakesh Shah, Manisha Acharya		
Integrating surgeons requirements with eye banking services: Corneal Surgeons Perspective from USA.	Vishal Jhanji	
Closing the gap between collection and utilisation: corneal surgeons and eye bankers roles.	Namrata Sharma	
Dehydrated cornea for DALK Surgery	Massimo Busin	
Organ culture vs Cold preservations (recorded)	Vito Romano	
Interactive Case based Trouble shooting tips and pearls		
Case 1		
Case 2		
Case 3		
Case 4		
Panel Discussion		

Symposium: Phakic IOLs		SCREEN 3
Cordinators: Somasheila Murthy, Neera Agrawal		
Panelist: Gaurav Luthra, Chitra Ramamurthy, Rishi Swarup, Himanshu Matalia, Audrey Rostov Talley		
How to evolve into a phakic IOL surgeon (video based)	John Sarkar	
Assessing vault in Phakic IOLs (case based)	Ritin Goyal	
Explanation, exchange in phakic IOLs	Ashi Khurana	
Special situations part 1	Neera Agrawal	
Special situations part 2	Audrey Rostov Talley	
Panel discussion		

1030 - 1100: Break

Near Live Surgery 4 Surface Reconstruction	
Cordinators: Swapna Shanbhag, Shweta Agarwal	
Panelist: Virender S Sangwan, Jayesh Vazirani, Abha Gour, Noopur Gupta, Sayan Basu	
Pterygium surgery complex	Paras Mehta
Limbal transplantation	Swapna Shanbhag
Boston Keratoprosthesis	Bhaskar Srinivasan
OOKP / Type 2 Kpro	Shweta Agarwal
OSSN Surgical management	Swathi Kalki
Mucous membrane Grafting	Geetha Iyer
Discussion	
Industry Symposium 3	



Spotlight: Cataract surgery in corneal disease		SCREEN 1
Cordinators: Josephine Christy.S, Madhu Uddaraju		
Panelist: Manoranjan Das, Sunita Chaurasia		
Cataract Surgery in Ocular Surface Disease	Bhaskar Srinivasan	
Planning Cataract surgery Post Keratoplasty	Divya Manohar	
Performing Cataract surgery in Compromised Corneas	Shreyas Ramamurthy	
Combining Cataract surgery with Lamellar Keratoplasties	K S Siddarthan	
Panel Discussion		

Spotlight: Ocular regeneration		SCREEN 2
Cordinators: Virender S Sangwan, Sridevi Nair		
Panelists: Himanshu Matalia, Abha Gour, Anahita Kate		
Stromal Regeneration- Mesenchymal Stem Cell Therapy	Sayan Basu	
Stromal Regeneration versus Biosynthetic Cornea	Namrata Sharma	
Regenerating the Corneal Epithelium	Virender S Sangwan	
Endothelial Regeneration	Sharon D'Souza	
Panel Discussion		

Spotlight: Ocular Imaging & Topography		SCREEN 3
Cordinators: Tushar Agarwal, Ashish Nagpal		
Pentacam as a tool for surgical decision making in FECD	Sanjay V Patel	
Clinical Applications of Corneal Imaging	Vishal Jhanji	
CorVis Imaging in Keratoconus	Shizuka Koh	
Intraoperative OCT in DMEK	Namrata Sharma	
Discussion		

Spotlight: Keratoplasty: Focusing Exclusively on Recent and Future Trends		SCREEN 1
Cordinators: Sunita Chaurasia, M Vanathi		
Chair: Radhika Tandon, Merle Fernandes		
Panelist: Namrata Sharma		
OCT in Keratoplasty: Current Status and Personal Experiences		Radhika Tandon
Femto Assisted Keratoplasty: Interpretations with Case Scenarios and Examples		Umang Mathur
Tissue addition keratoplasty – where do we stand?		M Vanathi
Limbo Keratoplasty in Sclerocornea: Current Understanding		Sunita Chaurasia
Newer Advances in Allograft Rejection: Various Options and Recommendations		Manisha Acharya
Explore the Integration of Artificial Intelligence (AI) in Keratoplasty		Pravin Krishna Vaddavalli
Interactive Panel Discussion		

Spotlight: Biomaterials		SCREEN 2
Cordinators: Vivek Singh, Purvasha Narang		
Panelists: Virender S Sangwan, Sayan Basu, Vishal Jhanji, Namrata Sharma		
Porcine Collagen Lenticule in advanced Keratoconus		Rashmi Deshmukh
Corneal lenticule bio-engineering for therapeutic purposes		Mario Nubile
GMP grade hydrogel for Corneal scars		Vivek Singh
Liquid Cornea: New corneal wound healing approach		Abha Gour
Novel 3D printing Strategies for fabricating Corneal Stroma		Vineet P Joshi
Futuristic solutions to Corneal Blindness		Virender S Sangwan

Spotlight: Ocular Pharmacology		SCREEN 3
Cordinator: Sanhita Roy		
Membrane targeted antimicrobial peptides to combat corneal infections		Sanhita Roy
Contact Lens-Like Therapeutic Patches to Combat Biofilm in Keratitis		Swati Biswas
		Bhaskar Mazumder
Microneedle patch for ocular drug delivery: beyond eye drops and intravitreal injections		Vamsi Venuganti
Discussion		

1200 - 1330

Best of Best

SCREEN 1

Dr. Namrata Sharma
President

Dr. Pravin Krishna V
Vice President

Dr. Vikas Mittal
Secretary

Dr. Paras Mehta
Treasurer

Executive Committee

Dr. Himanshu Matalia

Dr. Rajesh Fogla

Dr. Geetha Iyer

Dr. Nikhil S Gokhale

Dr. Jnanankar Medhi

Dr. Manisha Acharya

Dr. Vinay S Pillai

Dr. Jayesh Vazirani

Keracon 2024 Organizing Committee

Dr. Himanshu Matalia
Organizing Chairperson

Dr. Deepthi R Meda
Organizing Secretary

Dr. Sharon D'Souza
Organizing Joint Secretary

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