

Pedcor-4

The Advanced Pediatric
Cornea Workshop *(Hybrid)*



The Advanced Pediatric Cornea Workshop

Workshop Dates

24th - 26th
November 2023

Venue

Level-6, Patodia Auditorium,
KAR Campus, LVPEI, Hyderabad

23rd

November

Pre-Conference Workshop

24th

November

Surgical challenges in corneal surgery

25th

November

Congenital corneal opacities,
clinico-ultrabiomicroscopic-
histopathologic-genetic correlations

26th

November

Acquired corneal conditions

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24-26 November 2023



Program Schedule

Day 1: Friday, 24th November 2023

Time	Topics	Speaker
07:30 AM - 08:00 AM	Registration & Breakfast	
08:00 AM - 08:10 AM	Welcome address	G N Rao, Founder- LVPEI; Prashant Garg, Chair
08:10 AM - 08:15 AM	Introduction	Muralidhar Ramappa
Session 1 - Theme: Preoperative Assessment, including Preparation and Surgical Techniques: Considerations, challenges, and necessary modifications		
Moderator: Sikha Misra Panellists: Merle Fernandes, Busin Massimo, Namrata Sharma, Radhika Tandon, Muralidhar Ramappa, Rishi Swarup		
08:15 AM - 08:45 AM	Keynote: Keratoplasty in children – overcoming the challenges and improving outcomes	Radhika Tandon
08:45 AM - 08:55 AM	Surgical description of penetrating keratoplasty: pre-intraoperative measures that minimize the technical difficulties	Merle Fernandes
08:55 AM - 09:05 AM	Intra-Operative Imaging in Lamellar Corneal Surgery	Namrata Sharma
09:05 AM - 09:15 AM	Mushroom keratoplasty in children	Busin Massimo
09:15 AM - 09:25 AM	DSAEK in CHED	Purvasha Narang
09:25 AM - 09:35 AM	Pediatric DALK surgery - my experience	Rishi Swarup
09:35 AM - 09:45 AM	The long-term outcomes of lamellar keratoplasty in the pediatric age group: 12-years of our experience	Muralidhar Ramappa
Panel Discussion – 10 minutes		
Morning Tea Break – 09:55 AM to 10:10 AM		
Session 2 - Theme: Post-Operative Care including Immunosuppression and Visual Rehabilitation: What to expect after Keratoplasty		
Moderator: Anubha Rathi Panellists: Merle Fernandes, Arundhati Anshu, Sudharshan Khokhar		
10:10 AM - 10:20 AM	Post-keratoplasty aftercare: Dos and don'ts in the early postoperative period	Merle Fernandes
10:20 AM - 10:30 AM	High-risk keratoplasty in pediatric age group – how safe is immune suppression?	Anubha Rathi
10:30 AM - 10:40 AM	Cataract surgery in micro megalocornea	Sudarshan Khokhar
10:40 AM - 11:50 AM	Long-term outcomes after primary pediatric keratoplasty	Arundhati Anshu
11:50 AM - 12:00 PM	Economic impact of pediatric corneal blindness	Sai Sivani Koonapareddy
Panel Discussion – 10 minutes		
Session 3 - Theme: Advancements in Surgical Techniques in Pediatric Corneal Opacities: Where we are		
Moderator: Muralidhar Ramappa Panellists: Sunita Chaurasia, Ken Nischal		
12:10 PM - 12:20 PM	Aniridia associated keratopathy	Ken Nischal
12:20 PM - 12:30 PM	Selective Endotheliotomy in Peters Anomaly (SEPA): A novel surgical technique and long-term clinical outcomes in children with a subtype of Peters anomaly	Muralidhar Ramappa
12:30 PM - 12:40 PM	Compression sutures	Sunita Chaurasia
12:40 PM - 12:50 PM	Limbo keratopathy in sclerocornea	Muralidhar Ramappa
Panel Discussion – 10 minutes		
Lunch Break – 01:00 PM - 01:45 PM		

Time	Topics	Speaker
Session 4 - Theme: Congenital Glaucoma and Post Keratoplasty Glaucoma Management		
Moderator: Rashmi Krishnamurthy Panellists: Alex Levin, Anil K Mandal, Sirisha Senthil, Sushmita Kaushik		
01:45 PM - 02:15 PM	Keynote: My journey with Primary Congenital Glaucoma	Anil K Mandal
02:15 PM - 02:25 PM	The International Pediatric Glaucoma Registry: Join now!	Alex V Levin
02:25 PM - 02:35 PM	Optimizing Glaucoma Management in Pediatric Keratoplasty Recipients	Sirisha Senthil
Panel Discussion – 5 minutes		
Session 5 - Theme: Visual Acuity Assessment, Contact Lenses, and Vision Rehabilitation		
Moderator: Simmy Chaudhary Panellists: PremNandhini Satgunam, Rebecca Sumalini, Winston Prakash		
02:40 PM - 02:50 PM	Beyond fixating and following light: quantifying visual function in babies	PremNandhini Satgunam
02:50 PM - 03:00 PM	Pediatric contact lens fittings: little eyes big challenges	Ketakee Jain
03:00 PM - 03:10 PM	Low vision rehabilitation in children with anterior segment abnormalities: when to refer and what to expect?	Rebecca Sumalini
Panel Discussion – 10 minutes		
Session 6 - Theme: Corneal Manifestations in Systemic Conditions I		
Moderator: Sowjanya Vuyyuru Panellists: Merle Fernandes, Sunita Chaurasia, Radhika Tandon, Rashmi Krishnamurthy		
03:20 PM - 03:30 PM	Xeroderma pigmentosum (XP)	Sunita Chaurasia
03:30 PM - 03:40 PM	Congenital glaucoma with keratoglobus	Rashmi Krishnamurthy
03:40 PM - 03:50 PM	Anterior segment manifestations in pediatric liver disease	Swapnali Sabhapandit
03:50 PM - 04:00 PM	Ligneous conjunctivitis	Arjun Srirampur
04:00 PM - 04:10 PM	Progeria with ocular manifestations	Purvasha Narang
04:10 PM - 04:20 PM	Tyrosenaemia	Shalini Singh
04:30 PM - 04:40 PM	Renal Tubular Acidosis: RTA	Anshuman Verma
Panel Discussion – 10 minutes		
Evening Tea Break		
End of Day 1 Conference Pedcor4		

Program Schedule

Day 2: Saturday, 25th November 2023

Time	Topics	Speaker
Session 7 - Theme: Exploring the Anterior Segment Morphology: Pediatric Corneal Anomalies		
Moderator: Muralidhar Ramappa Panellists: Ken Nischal, Merle Fernandes, Sunita Chaurasia, Sushmita Kaushik, Anil K Mandal		
08:00 AM - 08:30 AM	Keynote: Anterior Segment Dysmorphology: How to sort out what you see	Alex V Levin
08:30 AM - 08:40 AM	Overview of congenital anterior segment abnormalities	Sunita Chaurasia
08:40 AM - 08:50 AM	The spectrum of Peters anomaly	Sushmita Kaushik
08:50 AM - 09:00 AM	Axenfeld-Rieger syndrome: A diverse clinical spectrum	Anil K Mandal
09:00 AM - 09:10 AM	Anterior Segment Developmental Anomalies (ASDA): The challenges	Ken Nischal
Panel Discussion – 10 minutes		
Morning Tea Break – 09:20 AM – 09:30 AM		
Session 8 - Theme: Understanding and Managing Congenital Corneal Opacities in Pediatric Patients		
Moderator: Sunita Chaurasia, Panellists: Ken Nischal, Arif Khan, Radhika Tandon, Sunita Chaurasia, Danielle Trief, Muralidhar Ramappa		
09:30 AM - 10:00 AM	Keynote: Global Consensus on Definition, Classification, Diagnosis, And Surgical Staging of Congenital Corneal Opacities	Ken Nischal
10:00 AM - 10:10 AM	Unraveling congenital cloudy cornea	Muralidhar Ramappa
10:10 AM - 10:20 AM	Congenital corneal opacities – unravelling the code	Radhika Tandon
10:20 AM - 10:30 AM	Endothelial alterations in developmental corneal abnormality	Sunita Chaurasia
10:30 AM - 10:40 AM	Congenital corneal opacities: When to Avoid Corneal Surgery	Arif Khan
10:40 AM - 10:50 AM	Management algorithm for congenital corneal opacities	Ken Nischal
Panel Discussion – 10 minutes		
Session 9 - Theme: Unravelling Specific Corneal Abnormalities		
Moderator: Mugundhan Rajarajan Panellists: Arif Khan, Meena Lakshmiathy, Sushmita Kaushik, Subhadra Jalali, Sudarshan Khokhar, Sirisha Senthil		
11:00 AM - 11:30 AM	Keynote: Selected Small Cornea Syndromes	Arif Khan
11:30 AM - 11:40 AM	Persistent fetal vasculature (PFV): Various presentations and management	Sudarshan Khokhar
11:40 AM - 11:50 AM	Epibulbar dermoid and spectrum of malformations	Mugundhan Rajarajan
11:50 AM - 12:00 PM	Cornea plana	Meena Lakshmiathy
12:00 PM - 12:10 PM	Vitreoretinal dysplasia masquerading as Peters anomaly	Subhadra Jalali
12:10 PM - 12:20 PM	Glaucoma in pediatric corneal conditions	Sirisha Senthil
12:20 PM - 12:50 PM	Keynote: What to look for in a congenital cloudy cornea	Sushmita Kaushik
Panel Discussion – 10 minutes		
Lunch Break – 01:00 PM - 01:45 PM		

Time	Topics	Speaker
Session 10 - Theme: Diagnostic Imaging, and Clinico-Pathological Insights		
Moderator: Sunita Chaurasia Panellists: Nidhi Gupta, Deepak Edwards, Dilip Kumar Mishra		
01:45 PM - 02:15 PM	Keynote: Clinicopathological correlation of congenital corneal opacification	Deepak P Edward
02:15 PM - 02:25 PM	Clinicopathological correlation of sclerocornea	Dilip Kumar Mishra
Panel Discussion – 10 minutes		
Session 11 - Theme: Corneal Dystrophy and Genetics of Specific Corneal Abnormalities		
Moderator: Anshuman Verma Panellists: V Vinod Mootha, Chitra Kannabiran, Deepak P Edwards, Sushmita Kaushik		
02:35 PM - 03:05 PM	Keynote: Corneal endothelial genetics: A primer for pediatric cornea specialists	V Vinod Mootha
03:05 PM - 03:15 PM	Precision medicine in rare ocular diseases: The significance of genomic testing	Anshuman Verma
03:15 PM - 03:25 PM	Genetics of congenital hereditary endothelial dystrophy	Chitra Kannabiran
03:25 PM - 03:35 PM	How has genetic testing helped in anterior segment dysgenesis	Sushmita Kaushik
03:35 PM - 03:45 PM	TGFB1 genetics	Sangeeta Wagh
03:45 PM - 03:55 PM	Posterior Polymorphous Macular Dystrophy (PPMD)	Prabhakar Singh
03:55 PM - 04:05 PM	Corneal Densitometry in CHED: A novel attempt to reclassify corneal clouding	Divya Sree
Panel Discussion – 10 minutes		
Evening tea break – 04:05 PM - 04:15 PM		
Session 12- Theme: Corneal Manifestations in Systemic Conditions II		
Moderator: Mugundhan Rajarajan Panellists: Srinivasan M, Arif Khan, Sunita Chaurasia, Radhika Tandon, Meena Lakshmiopathy, Muralidhar Ramappa		
04:15 PM - 04:30 PM	Keynote: Congenital corneal anaesthesia: Long battle to loose at the end!!	Srinivasan M
04:31 PM - 04:36 PM	Congenital keloid	Reshmi Kalathil
04:37 PM - 04:42 PM	Vitamin A deficiency	Vaibhav Nagpal
04:43 PM - 04:48 PM	Rubinstein-Taybi Syndrome: RTS	Prerna Shetty
04:49 PM - 04:54 PM	Mucopolysaccharidosis	Mariya Doctor
04:55 PM - 05:00 PM	Nail Patella Syndrome	Prapti Chheda
05:01 PM - 05:06 PM	Cystinosis	Aniruddh Heroor
05:07 PM - 05:12 PM	Dysautonomia	Ananya Sudhir Nibandhe
05:13 PM - 05:18 PM	Congenital Hereditary Stromal Dystrophy (CHSD)	Pranitha Satarasi
05:19 PM - 05:24 PM	Congenital primary aphakia	Reshmi Kalathil
05:25 PM - 05:30 PM	Primary BSK	Uma Tingle
05:31 PM - 05:36 PM	MLS syndrome	Pratima Vishwakarma
05:37 PM - 05:42 PM	Keratoglobus or Brittle cornea syndrome	Alo Sen
05:43 PM - 05:48 PM	Ectodermal dysplasia	Mohammed Alhemyari
05:49 PM - 05:54 PM	Osteopetrosis	Arpita Khasnavis
05:55 PM - 06:00 PM	Scalp syndrome	Raksheeth Nathan
End of Day 2 Conference Pedcor-4		

Program Schedule

Day 3: Sunday, 25th November 2023

Time	Topics	Speaker
Session 13 - Theme: Embryologic Insights into Anterior Segment Developmental Anomalies in the Eye		
Moderator: Muralidhar Ramappa		
Panellists: Alex V Levin, B S Rama Murthy, Meenakshi Bhat, Deepak Bhatt		
07:30 AM - 08:00 AM	Keynote: The Foetal Orbitals – Ultrasound normal and abnormal	B S Rama Murthy
08:00 AM - 08:15 AM	Making an anterior segment: Embryology short course	Alex V Levin
08:15 AM - 08:45 AM	Keynote: Ocular manifestations in rare, treatable genetic disorders	Meenakshi Bhat
08:45 AM - 09:15 AM	Keynote: Anterior segment imaging in the pediatric age group	Deepak Bhatt
09:15 AM - 09:30 AM	TBA	--
Panel Discussion – 15 minutes		
Morning Tea Break – 09:45 AM – 10:00 AM		
Session 14 - Theme: Acquired Corneal Opacities, Allergic Eye Diseases, and Treatment Approaches		
Moderator: Somasheila Murthy		
Panellists: Danielle Trief, Anahita Kate, Radhika Tandon, Abha Gour, Alok Sati		
10:00 AM - 10:10 AM	Understanding pediatric keratoconus: Crosslinking in very young patients	Danielle Trief
10:10 AM - 10:20 AM	Collagen cross-linking (CXL)	Vishal Jhanji
10:20 AM - 10:30 AM	Microkeratome assisted CXL in children: A case series	Alok Sati
10:30 AM - 10:40 AM	Accelerated collagen cross-linking in pediatric keratoconus: 24 months follow-up results	Swati Tomar
10:40 AM - 10:50 AM	Clinical spectrum of allergic eye diseases and its surgical management	Somasheila Murthy
10:50 AM - 11:00 AM	VKC varied presentation and management	Sikha Misra
11:00 AM - 11:10 AM	Management of chronic and refractive ocular allergy	Anahita Kate
11:10 AM - 11:20 AM	VKC in children - Experience from community	Radhika Tandon
11:20 AM - 11:30 AM	VKC and molecular research	Abha Gour
11:30 AM - 11:40 AM	Primary pediatric Band Keratopathy	Arif Khan
11:40 AM – 11:50 AM	Pediatric pterygium	Sowjanya Vuyyuru
Panel Discussion – 10 minutes		
Session 15 - Theme: Pediatric Ocular Infections: From Diagnosis to Treatment		
Moderator: Bhupesh Bagga		
Panellists: Joveeta Joseph, Merle Fernandes, Muralidhar Ramappa, Shweta Agarwal		
12:00 PM - 12:10 PM	Acute conjunctivitis in neonatal age group	Bhupesh Bagga
12:10 PM - 12:20 PM	Pediatric corneal infections – Non-viral	Shweta Agarwal
12:20 PM - 12:30 PM	Non-herpetic infectious keratitis: Decision making and therapy	Merle Fernandes
12:30 PM - 12:40 PM	Tackling post keratoplasty graft infections: to minimize the irreversible damage	Shilpa Das
12:40 PM - 12:50 PM	Role of diagnostic microbiology in children with corneal infections	Joveeta Joseph
12:50 PM - 01:30 PM	Keynote: Manifestation and management of herpetic eye infections in children	Muralidhar Ramappa
Panel Discussion – 10 minutes		
Lunch Break – 01:30 PM – 02:00 PM		

Time	Topics	Speaker
Session 16 - Theme: Ocular Surface Session		
Moderator: Pragnya Rao Panellists: Rama Rajagopal, Radhika Natarajan, Geetha Iyer, Swapna Shanbhag, Simmy Chaudhary, Danielle Trief		
02:00 PM - 02:10 PM	Pediatric ocular surface lesions	Rama Rajagopal
02:10 PM - 02:20 PM	Pediatric blepharo-kerato-conjunctivitis: diagnosis, management, and long-term impact	Radhika Natarajan
02:20 PM - 02:30 PM	Chronic cicatrizing conjunctivitis in children	Geetha Iyer
02:30 PM - 02:40 PM	Clinical strategies for managing SJS and TEN in pediatric patients	Swapna Shanbhag
02:40 PM - 02:50 PM	Diagnosing and staging of limbal stem cell deficiency in children: What did we agree on	Pragnya Rao
02:50 PM - 03:00 PM	Contact lens for ocular surface disease in children	Simmy Chaudhary
03:00 PM - 03:10 PM	Pro-Angiogenic factors in pediatric corneal neovascularization: Tear film insights	Danielle Trief
Panel Discussion – 10 minutes		
Session 17 - Theme: Ocular Surface Trauma		
Moderator: Swapna Shanbagh Panellists: Danielle Trief, Rasik Vajpayee, Geetha Iyer, Swapna Shanbhag, Asim Ali		
03:20 PM - 03:30 PM	Self-Inflicted corneal injury and corneal edema: Causes and consequences	Danielle Trief
03:30 PM - 03:40 PM	Pediatric corneal injuries	Rasik Vajpayee
03:40 PM - 03:50 PM	Understanding the need for a new grading system	Shweta Agarwal
03:50 PM - 04:00 PM	Chemical Injuries E-Pix – An enhanced classification of burns	Geetha Iyer
04:00 PM - 04:10 PM	Management of pediatric ocular burns	Swapna Shanbhag
04:10 PM - 04:20 PM	Kerato-prosthesis in children: Global perspective	Asim Ali
Panel Discussion – 10 minutes		
Vote of thanks - Muralidhar Ramappa		
High Tea		
End of Day 3 Conference Pedcor-4 Ringing curtains down on Conference Pedcor4		