



BUG BUSTERS 5

CORNEAL INFECTION WORKSHOP 2025

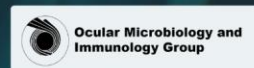
31 OCT - 2 NOV 2025

Kallam Anji Reddy Campus, Road No. 2, Banjara Hills, Hyderabad.

bhupesh@lvpei.org / sethumathi@lvpei.org



LV Prasad Eye Institute



Program Schedule

Day 1: Bug Busters (Thursday, October 30th , 2025)

Time (IST)	Topic	Speaker
01:00 – 01:30 p.m.	Registration	
01:30 – 03:30 p.m.	Microbiology and Pathology Skill transfer; Moderator: Dr Joveeta Joseph	Microbiology and Pathology team
Ocular Microbiology and Immunology Group Symposium - Hybrid (04:00 – 08:00pm)		
04:00 – 05:00 p.m.	Symposium-Ocular Pharmacology; Moderator: Dr Bhupesh Bagga, Dr Wozniak Rachel; Fellow: Dr Sayali Prashant Bawankule	
04:00 -04:10 p.m.	Natamycin + Rapamycin for Fungal keratitis	Dr Wozniak Rachel
04:10 – 04:20 p.m.	Propranolol in fungal keratitis	Dr Michael Zegans
04:20 – 04:30 p.m.	Antimicrobial Peptide for fungal keratitis	Dr Sanhita Roy
04:30 – 04:40 p.m.	Outcome of REAGIR study	Dr N Venkatesh Prajna
04:40 – 04:50 p.m.	Cyclosporine A for Fungal keratitis	Dr Namrata Sharma
04:50 – 05:05 p.m.	Discussion	
05:05-05:10 p.m.	Break	
Microbiology Meets Immunology in Ophthalmology; Moderator: Dr Savitri Sharma, Dr Irmguard Behlau; Fellow Dr Hardik Khurana		
05:20 - 05:30 p.m.	Decoding the intraocular immune response- one cell at a time	Dr Soumyava Basu
05:35 - 05:45 p.m.	Ocular herpes and it's neurobehavioral effects	Dr Deepak Shukla
05:50 - 06:00 p.m.	Immunopathogenesis and Molecular Studies on HSV-1 Keratitis	Dr Anil Tiwari
06:05 – 06:25 p.m.	Overview on Microbial keratitis and current progress in diagnostics	Dr James Chodosh
06:30 – 06:40 p.m.	CXL - what we've learned	D Jennifer Rose
06:45 – 06:50 p.m.	Severe ocular surface disease induced by Dupilumab: management and recommendations	Dr Ali Djallian
06:55 – 07:05 p.m.	Development and clinical evaluation of a CRISPR/Cas12a-based nucleic acid detection platform for the diagnosis of Keratomycoses.	Dr Lalitha Prajna
07:10 – 07:20 p.m.	Antimicrobial HMPEI Keratoprosthesis with Silk Carrier Cornea	Dr Irmgard Behlau
07:25 - 07:35 p.m.	Antibiotic tolerance of P.aeruginosa in corneal infections- Does location matter?	Dr Naren Kumar
07:40 – 07:50 p.m.	Bug Watch : Genomic Surveillance of AMR in the Eye	Dr Joveeta Joseph
07:50 - 08:00 p.m.	Transparent Topical Therapeutic Thin film to Treat Acanthamoeba Keratitis	Dr Teja Vaddvalli

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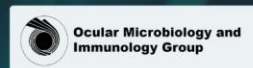
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Program Schedule

Day 2: Bug Busters (Friday, October 31st, 2025)

Time (IST)	Topic	Speaker
07:00 – 08:00 a.m.	Session 1: Free paper(Clinical research); Moderator: Dr Poornima Tandra; Panellist: Dr Prashant Garg, Dr Elmer Tu, Dr Vilvan, Dr Savitri Sharma; Fellow: Dr Pranita Satarasi	
07:00 – 07:10 a.m.	Registrations	
07:10 – 07:17 a.m.	BB5-07 Assess influence of in vitro antifungal susceptibility on clinical outcomes and compare the efficacy of natamycin monotherapy versus combination therapy in Aspergillus and Fusarium keratitis.	Dr Shweta Agarwal
07:17 – 07:24 a.m.	BB5-09 Microbial Keratitis in Ocular Cicatricial Pemphigoid	Dr Anjali Rana
07:24 – 07:31 a.m.	BB5-12 Management of unresponsive Acanthamoeba keratitis	Dr Paolo Rama
07:31 – 07:38 a.m.	BB5-13 Microbial Keratitis in Vernal Keratoconjunctivitis: Presentation, Profile and Management	Dr Anjali Rana
07:38 – 07:45 a.m.	BB5-19 Infectious Keratitis Following Corneal Tear Repair: A Case Series of Seven Patients	Dr Nihar Garg
07:45 – 07:52 a.m.	BB5-20 From Sensitive to Stubborn: Changing trends of resistance of Pseudomonas aeruginosa in Infective Keratitis	Dr Shruti Gavval
07:52 – 7:59 a.m.	BB5-31 To study the demographic details, risk factors, microbiological profile, and clinical outcomes of pediatric infectious keratitis cases in North India	Dr Nupur Gupta
08:00 – 08:30 a.m.	Break	
08:30 – 10:30 a.m.	Session 2: Bacterial keratitis; Moderator: Dr Bhupesh Bagga; Panellist: Dr Namrata Sharma, Dr Samrat Chatterjee, Dr Meena Lakshminpathy, Dr Elmer Tu, Dr Joveeta Joseph; Fellow: Dr Pranita Satarasi	
08:30 – 08:50 a.m.	Approach to Bacterial keratitis with Literature review	Dr Namrata Sharma
08:50 – 09:10 a.m.	Microbial keratitis in Ocular Surface diseases	Dr Sayan Basu
	Case-based discussion	
10:30 – 10:45 a.m.	Break	
10:45 a.m. – 12:00 noon	Session 3: Atypical Mycobacterial and Nocardia keratitis; Panelist: Dr Prashant Garg, Dr Vilavun, Dr Savitri Sharma, Dr Shweta Agarwal, Dr Mita Mungale; Fellow: Dr Shreya	
	Key Note	Dr Prashant Garg
	Case based presentation	
12:00 – 1:00 p.m.	Session 4: Infectious Scleritis; Panellist: Dr Amescua Guillermo, Dr Nikhil Gokale, Dr Elmer Tu, Dr Sujata Das; Fellow Dr Yasho Raj	Dr Somasheila Murthy
12:00 – 12:15 p.m.	Key Note	Dr Amescua Guillermo
12:15 – 12:22 p.m.	BB5-11 Risk factors and outcomes of infective scleritis	Dr Rama Rajagopal
12:22 – 01:00 p.m.	Case based Discussion	
01:00 – 02:00 p.m.	Lunch break	



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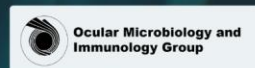
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Day 2: Bug Busters (Friday, October 31st, 2025)

Time (IST)	Topic	Speaker
02:00 – 03:00 p.m.	Session 5: Viral Keratitis; Moderator: Dr Merle Fernandes; Panelists: Dr Sayan Basu, Dr Dr Vannarut Satitpitakul, Dr Elmer Tu, Dr Joveeta Joseph, Dr Namrata Sharma; Fellow: Dr Neet Mehta	
02:00 – 02:30 p.m.	HSV keratitis	Dr Todd Margolis
02:30 – 03:30 p.m.	Case-based Discussion	
	BB5-06 When viruses party hard, cornea suffers	Dr Nathiya Senthilkumar
03:30 – 03:45 p.m.	Tea break	
03:45 – 05:30 p.m.	Session 6: Herpes Zoster Ophthalmicus; Moderator: Dr Muralidhar Ramappa; Panelists: Dr Alfonso Lovieno, Dr Prashant Garg, Dr Paolo Rama, Dr Merle Fernandes, Dr Savitri Sharma; Fellow: Dr Anjali Rana	
03:45 – 04:15 p.m.	Zoster Eye Disease Study Trial (ZEDS)	Dr Bennie Zeng
04:15 – 04:30 p.m.	Newer Studies on VZV	Dr Alfonso Iovieno
04:30 – 04:45 p.m.	The Nerve to See Again: Restoring Sensation After Zoster Keratopathy	Dr Muralidhar Ramappa
04:45 – 05:30 p.m.	Case based Discussion BB5-02 Atypical Herpes Zoster Ophthalmicus in an Immunocompetent Child: A Case Report	Dr Nikhil Agrawal
05:30 – 06:30 p.m.	Session 7: Free papers (Basic Research Session); Moderator: Dr Tanmay Gokhale; Panelists: Dr Prashant Garg, Dr Elmer Tu, Dr Vilvan, Dr Savitri Sharma	
05:30 – 05:37 p.m.	BB5-25 Dematiaceous Fungi causing Ocular Infections - Antifungal Resistance Profile and Species Diversity at a Tertiary Eye Care Center in Southern India.	Dr Sourav Das
05:37 – 05:44 p.m.	BB5-26 Diagnostic Accuracy of the CRISPR-Based RID-MyC Assay in Smear- and Culture-Negative Fungal Keratitis	Dr Bennet Chacko Mathew
05:44 – 05:51 p.m.	BB5-30 Novel Gwt1 Inhibitor for Fungal keratitis treatment: Evaluation of In vitro, and In vivo efficacy and safety	Dr Lakshminarayanan Gowtham
05:58 – 06:05 p.m.	BB5-32 Hitting Two Targets with One Arrow: Mesenchymal Stem Cells for Infection and Inflammation in Bacterial Keratitis	Dr Sachin Shukla
06:05 – 06:12 p.m.	BB5-40 Prevalence of opportunistic Candida keratitis before, during and after COVID pandemic in Eastern India	Dr Himanshu Behera

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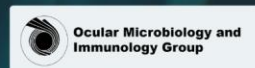
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Program Schedule

Day 3: Bug Busters (Saturday, November 1st, 2025)

Time (IST)	Topic	Speaker
07:00 – 08:00 p.m.	Session 8: Free Paper (Clinical Research) ; Moderator: Dr Anubha Rathi Panelists: Dr Prashant Garg, Dr Elmer Tu, Dr Vilvan, Dr Savitri Sharma	
07:00 – 07:07 p.m.	BB5-24 When Filaments Fool and Cultures Fail, Confocal Rescues the Hidden Pythium Trail	Dr Tejashree Sudhir Barghare
07:07 – 07:14 p.m.	BB5-27 HSV epithelial keratitis in patients on topical steroids due to anterior segment surgery - a case series	Dr Pallavi Dhawan
07:14 – 07:21 p.m.	BB5-39 To analyze the incidence, microbiological spectrum, clinical profile, and outcomes of microbial keratitis (MK) in patients with Mooren's ulcer (MU)	Dr Kavya Chandran
07:21 – 07:28 p.m.	BB5-41 Infective keratitis in compromised ocular surfaces: Challenges and clinical insights	Dr Sheena Sonkhia
08:00 – 08:15 p.m.	Break	
08:30 – 10:30 p.m.	Session 9: Acanthamoeba keratitis; Moderator: Dr Bhupesh Bagga ; Panelists: Dr Paolo Rama, Dr Revathi Rajaraman, Dr Prashant Garg, Dr Amescua Guillermo, Dr Lalitha Prajna; Fellow: Dr Shweta Gupta	
08:30 – 09:00 p.m.	Key Note	Dr Elmer Tu
09:00 – 09:15 p.m.	Advanced <i>Acanthamoeba</i> keratitis: How to handle	Dr Revathi Rajaraman
09:15 – 10:30 p.m.	Case based Discussion	
10:15 – 10:18 p.m.	BB5-15 When <i>Acanthamoeba</i> plays hide and seek	Dr Nathiya Senthilkumar
10:18 – 10:21 p.m.	BB5-35 A diagnostic dilemma	Dr Meeta Mungale
10:30 – 10:45 p.m.	Tea Break	
10:45 – 1:00 p.m.	Session 10: Fungal keratitis; Moderator: Dr Venkatesh Prajna ; Panelists: Dr Meena Lakshmiopathy, Dr Namrata Sharma, Dr Revathi Dr Revathi Rajaraman, Dr Samrat Chatterjee, Dr Vilavun, Dr Merle Fernandes; Fellow: Dr Charuta Ravindra Shrotriya	
10:45 – 11:00 p.m.	Fungal keratitis management in a referral cornea center in Brazil	Dr Ana Luisa Hofling
11:10 – 11:30 p.m.	Do different fungi need different therapeutic intervention?	Dr Venkatesh Prajna
11:40 – 01:00 p.m.	Case Based Discussion	
	BB5-08 A Twisting Tale of Keratitis: When One Pathogen Isn't the Whole Story	Dr Pratima Vishwakarma
	BB5-05	Dr Aanchal
	BB5-23 A Microscopic March from Plant to Eye: A Review of Keratitis with Colletotrichum	Dr Pratibha Rathore
	BB5-28 When a conjunctival nodular swelling became Pandora's box Objective - To report an interesting case of conjunctival nodule formed around a worm with adjacent peripheral corneal ulcer	Dr P Jyothirmayee
	BB5-33 Rhizopus keratitis is a rare entity	Dr Akanksha Sinha



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Day 3: Bug Busters (Saturday, November 1st, 2025)

Time (IST)	Topic	Speaker
2:00-3:00 p.m.	Session 11: Pythium Keratitis , Moderator : Bhupesh Bagga; Panelists:Dr Bhupesh Bagga, Dr Shweta Agarwal, Dr Savitri Sharma, Dr Samrat Chatterjee; Fellow: Dr Swetha Reddy P	
	Key Note - Thailand experience	Dr Vilavun
	Key Note	Dr Savitri Sharma
	Case Discussion BB5-21 Report of two cases of Pythium keratitis from Eastern India with clinical and microbiological features.	Dr Saswati Biswas
	Session 12-Microsporidial Keratitis Moderator: Dr Sujata Das; Panelists:Dr Prashant Garg, Dr Somasheila Murthy, Dr Joveeta Joseph Fellow: Dr Nisha Rani	
03:00 – 03:15 p.m.	Microsporidial Stromal Keratitis	Dr Vilavun Puangsricharern
03:15 – 03:30 p.m.	Microsporidia Beyond the Surface: High Prevalence in Infectious Conjunctivitis and Unusual Presentations in Thailand	Dr Vannarut Satitpitakul
03:30 – 03:45 p.m.	Ten-year review of Microsporidial keratoconjunctivitis from central India	Dr Samrat Chatterjee
03:45 – 04:00 p.m.	LVPEI Experience	Dr Sujata Das
04:00 – 04:30 p.m.	Case Discussion	
	BB5-17 Bilateral Simultaneous Microsporidial Stromal Keratitis: A rare case	Dr Anushree Lingaiah
	BB5-10 Decoding an Elusive Diagnosis: A case of Microsporidial Keratitis	Dr Divya Giridhar
04:30 – 05:30 p.m.	Session 13 - Challenging case scenarios (Complex cases Session) ; Moderator: Dr Kavya Chandran; Panelists: Dr Elmer Tu, Dr Venkatesh Prajna	
04:30 – 04:45 p.m.	Importance of continuity of care in infectious keratitis	Dr Amescua Guillermo
04:45 – 05:30 p.m.	Complex cases (3 minutes each + 3 minutes Discussion) ; Panelists: Dr Hirika Vipula Gosalia	
	BB5-34 Acyclovir-Responsive Endothelitis Following Mumps Infection	Dr Aneeta Jabbar
	BB5-36 Sequestered Nocardia Keratitis Mimicking Post-Traumatic or Viral Corneal Opacity in a Pediatric Patient	Dr Neet Mehta
	BB5-37 The Bug-Eyed Patient : When Insects Make Themselves Feel At Home	Dr Siddharth Tyagi
	BB5-38 Bandage Contact Lens- A Double-Edged Sword For Infected Persistent Epithelial Defects	Dr Mridula Vijayaraghavan
	BB5-42 Managing a challenging progression of mixed keratitis to endophthalmitis	Dr Sheena Sonkhia
	BB5-03 Beyond the Surface: Keratomalacia as a Gateway to Diagnosing a Hidden Syndrome	Dr Nikhil Agrawal
	BB5-16 Bilateral Giant Phlyctens : That too Recurrent & simultaneous	Dr Sujata Dwivedi
	BB5-22 Diagnostic Dilemma in Keratitis: Insights from Two Challenging Cases	Dr Mugundhan Rajarajan
	BB5-29 When a conjunctival nodular swelling became Pandora's box	Dr Pallavi Dhawan
	Discussion	
05:30-06:30 p.m.	Session 14: LVPEI Corneal Alumni Session; Moderator: Dr Pravin Krishna Vaddavalli	
05:30-05:40 p.m.	LVPEI Global Impact: So that all may see	Dr Gullapalli N Rao
05:40-05:50 p.m.	Where are we in the field of Corneal infection?	Dr Prashant Garg
05:50-06:00 p.m.	Project CLEAR	Dr Pravin K Vaddavalli
06:00-06:30 p.m.	LVPEI Alumni Oration Lecture: 50 years of Acanthamoeba keratitis - past, present and future?	Dr Elmer Tu
06:30 onwards	Session 15: Beyond Bugs: God Bless all the Bugs	Pranitha/Charuta/ Shreya

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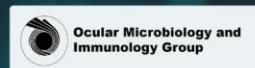
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Program Schedule

Day 4: Bug Busters (Sunday, November 2nd, 2025)

Time (IST)z	Topic	Speaker
05:30 – 07:30 a.m.	AMR Run	
08:00 – 08:30 a.m.	Breakfast	
08:30 – 10:30 a.m.	Session 16: Session on AMR; Moderator: Dr Joveeta Joseph / Dr Prashant Garg ; Fellow: Dr Pragati	
08:30 – 08:45 a.m.	Emerging microbial resistance patterns in infectious keratitis: Trends & Implications	Dr Lalitha Prajna
08:45 – 09:00 a.m.	Learnt from ASICS study	Dr Namrata Sharma
09:00 – 09:15 a.m.	What have we learnt from our experience	Dr Sanchita Mitra
09:15 – 10:00 a.m.	Case based Discussion	
10:00 – 10:15 a.m.	Tea Break	
10:15 – 12:00 noon	Session 17: Post Surgical Infections; Moderator: Dr Shilpa Tarini / Dr Shweta Agarwal	
10:15 – 10:30 a.m.	Post Collagen cross linking keratitis: Infectious Vs Sterile Melt	Dr Namrata Sharma
10:40 – 10:55 a.m.	Post refractive Infections: Management Controversies	Dr Merle Fernandes
10:55 – 11:10 a.m.	Post Cataract surgery infections	Dr Kavya Chandran
11:15 – 11:30 a.m.	Post Keratoplasty Infection: Early Vs Late	Dr Sunita Chourasia
11:30 – 02:00 p.m.	Session 18: Surgical Management of Corneal infections (Video based discussion); Moderator: Dr Kavya Chandran/ Dr Anubha Rath/ Dr Poornima	
02:00 – 02:15 p.m.	Results and Awards / Thanks	
02:15 p.m.	Lunch	