



**LV Prasad Eye Institute**



# ACTIVITY REPORT 2015-2016



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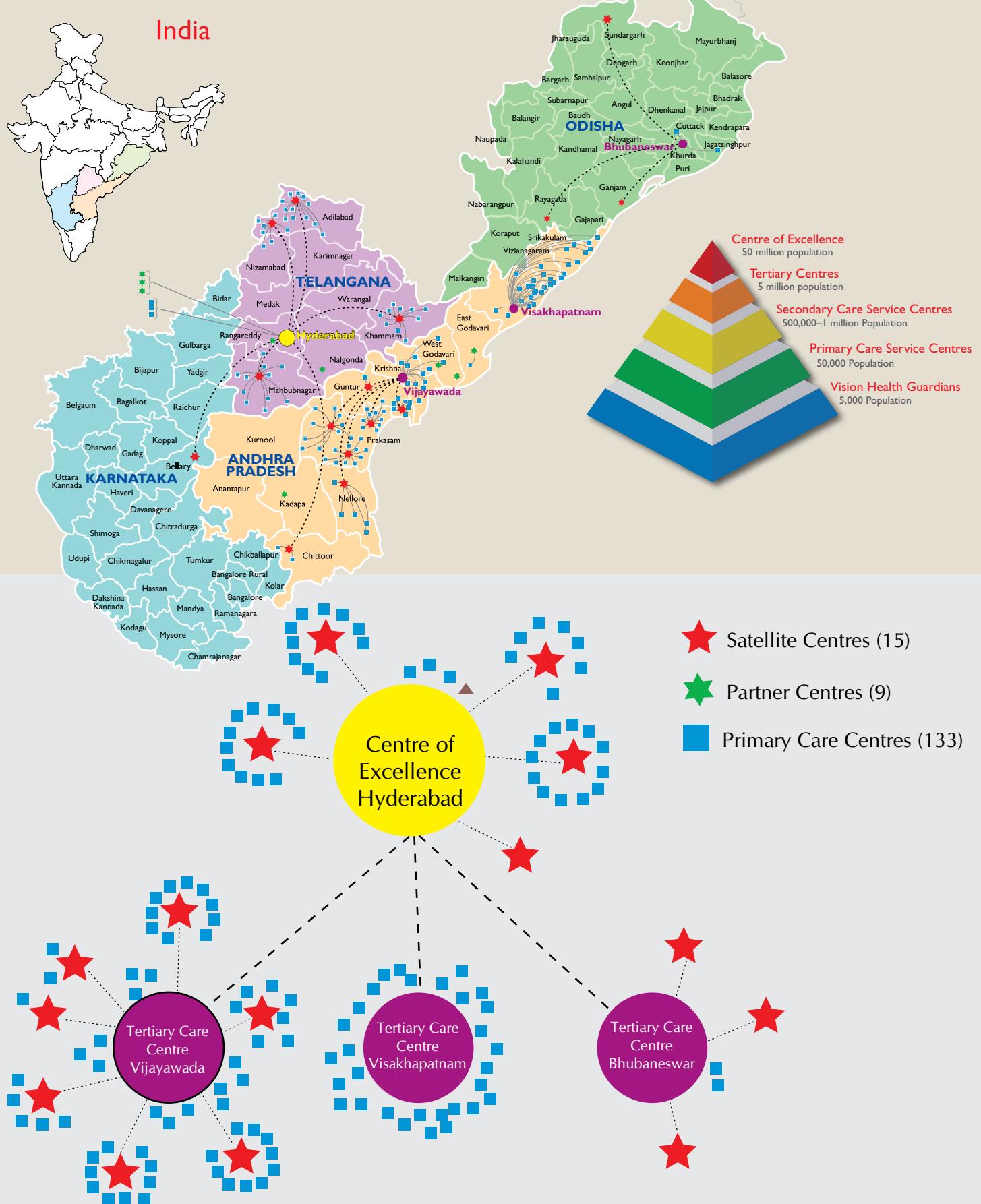
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## Abbreviations Used

KAR	- Kallam Anji Reddy Campus
GMRV	- GMR Varalakshmi Campus
KVC	- Kode Venkatadri Chowdary Campus

RIEB	- Ramayamma International Eye Bank
GPR-ICARE	- Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care
AP	- Andhra Pradesh

# The LVPEI Network (As of 31 March 2016 )



This year, two new secondary centres and 18 primary care vision centres were inaugurated. With this LVPEI is now spread across a network of 4 tertiary and advanced tertiary centres, 15 secondary eye care centres and 133 primary eye care centres in Telangana, Andhra Pradesh, Odisha and Karnataka.

# Foreword

## Excellence, Expansion and Extension

"Excellence, Expansion and Extension" are the words that come to mind to describe this past year at our Institute, closely inter-linked with each other. Excellence is the foundational value on which the Institute was built and continues to be our driving force. Progress on all the "Institutes of Excellence" conceived as part of our Vision "Next 25" (our vision for the second 25 years), was notable.

Entrepreneur-philanthropist, Tej Kohli's major commitment led to the inauguration of the "Tej Kohli Cornea Institute (TKCI)" that will encompass all aspects of our endeavours related to corneal disease and blindness, across all levels of service delivery, education, research and advocacy both within and outside our network. Millions of corneal blind globally will be the ultimate beneficiaries of this munificence. The "Aurobindo Geriatric Eye Centre" and the "Operation Eyesight Universal Institute for Eye Cancer" were other similar programmes that were launched this year. These, together with Child Sight Institute, Centre of Excellence in Eye Banking and Academy for Eye Care Education, will touch millions in the coming years. The concept behind is to continue our efforts at excellence in all facets, and foster our culture of crosspollination further among our clinicians, basic and public health scientists.

Saluting the establishment of TKCI, our Ramayamma International Eye Bank came up with news of a record performance this year - distributing 25,000 transplantable corneas since inception, besides conducting the first ever corneal transplant surgery in a rural secondary centre, laudable efforts by our Cornea Team indeed.

Another major expansion was that of our flagship Kallam Anji Reddy campus in Hyderabad. The new "green" building looks spectacular integrating features of patient comfort, safety, accessibility, and literally sits on a strong foundation (the boulders unearthed were found to be 2.6 billion years old). The expansion of each service is designed to cover greater volume with enhanced quality. The support for this project is again a great reflection of how well our Institute is regarded, with many among our friends and family contributing generously for its completion. The building is named "Velamati Soubhagyavatamma", after the mother of the major donor. All the outpatient and surgical services are accommodated in this facility, extending our capacity by about 70 percent.

The inaugural building where the Institute was founded in 1987 will now house facilities for education, research, innovation and administration, with considerable expansion of space for the former two. In recognition of her major contributions on a number of fronts since inception, this building is named in honour of Gullapalli Pratibha Rao.

Education activities expanded to our tertiary centre in Vijayawada, enhancing our training capacity in ophthalmology, optometry and nursing. New and better facilities will be created that will help meet the ever increasing demand for education programmes from all over the world. Strengthening our efforts at continuing education with increased utilization of advanced technology for better quality and reach, were the other features of education this year.

The vibrancy of research is quite evident from the publication record during the year. Our group received many new grants and innumerable laurels. The impact of the translational component of research is continuing to expand. My compliments to the many individuals who were recipients of special recognition, and well deserved honors.

The Rehabilitation group continues to make us proud. More than a hundred of our clients secured job placements in reputed organisations, and the students among our clients recorded excellent scholastic performances during this year.

Our rural eye health component has become bigger and better with our presence in more than 140 rural and tribal locations, touching the most neglected segments of our population with high quality eye care. I want to place on record our greatest appreciation to the LVPEI team contributing to this difficult endeavour. Another striking feature that surfaced was the depth of talent among the younger generation with a rich blend of professional excellence and leadership traits. The great expertise that we have on our Boards and their contributions is a constant source of encouragement to meet the ever increasing demands. This, coupled with a growing flow of support in all forms, made this year once again a very productive one. We are indeed indebted to all these people.

While the year ended on a very positive note, the loss of two great friends and supporters of the Institute was deeply felt. Former President of India, who touched the hearts of millions, Dr. Kalam was a source of guidance and inspiration for us for nearly a quarter of a century. Brien Holden has been the biggest supporter ever. His fondness and friendship will be remembered by many in the Institute. Both these stalwarts helped us in focusing on excellence, and guided and supported us through much of our growth. We share the immensity of their loss with their near and dear ones.



Gullapalli N Rao  
Chair, Board of Trustees

# The year at a glance

## Patient Care Service Delivery



**1,655,246** people served including  
152,075 children

**1,123,787** non paying & **531,459** paying  
**98,367** major surgical procedures

## Vision Rehabilitation



**28,216** people availed the sight enhancement and vision rehabilitation services

**2695** people provided community based rehabilitation services

## Eye Bank



**6985** donor corneas harvested

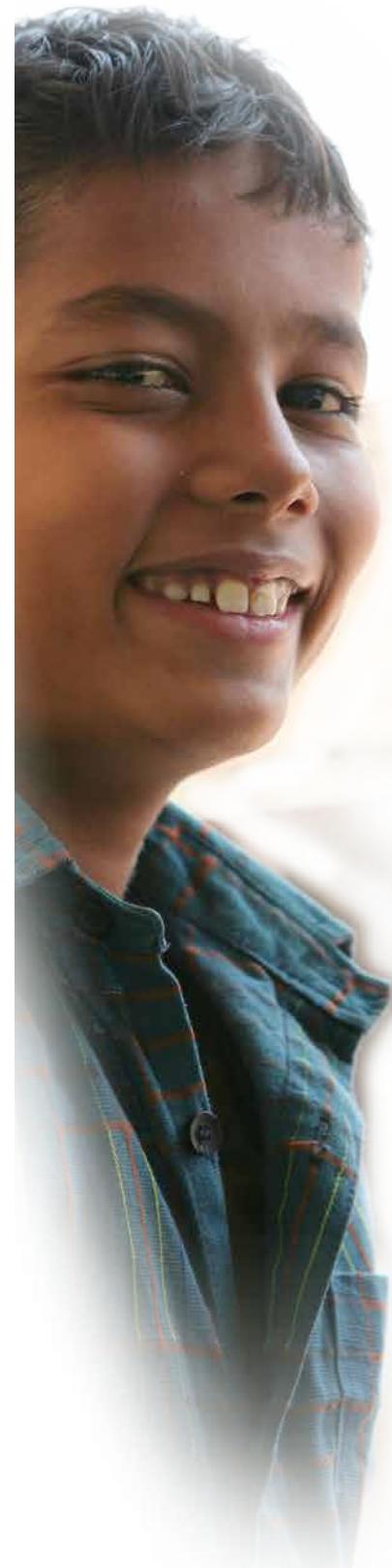
**2351** corneal transplants performed within the LVPEI network and **1534** performed outside the LVPEI network

## Education

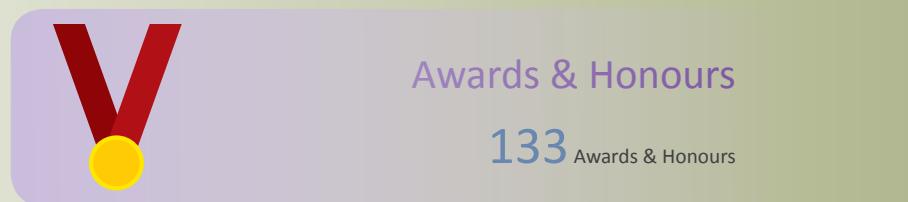


**702** national and **65** international trainees received their training

In addition, **1250** people participated in our continuing medical education (CMEs) and other programmes



# (April 2015 to March 2016)



# Awards and Honours

## Faculty Awards

### Mohammad Javed Ali

#### International

- Alexander Von Humboldt Fellowship Award, March 2016.
- Merril Reeh Pathology Award, American Society of Ophthalmic Plastics and Reconstructive Surgery, September 2015.

### Anuradha Ayyar

#### National

- Best video, Maharashtra State Ophthalmological Society conference, November 2015.

### Kishore Babu

#### National

- Speaker & Moderator, Transformation of paper to paperless records, Department of Medical Records - Lilavati Hospital and Research Centre, and the Health Information Management Association of India (HIMA), January 2016.
- Organizing Treasurer & Moderator, Health Information Management Association India Info, Hyderabad, December 2015.

### Seema Banerjee

#### National

- Best photography, Elite School of Optometry International Vision Science & Optometry Conference (EIVOC), August 2015.

#### International

- Travel grant by Silmo Academy, Paris, September 2015.

### Soumyava Basu

#### National

- PR Mondal Memorial oration, Ophthalmological Society of West Bengal, November 2015.

#### International

- ICMR Short Term Fellowship, University of Cambridge, UK, Feb – March 2016.
- Inaugural Association for Research in Vision & Ophthalmology (ARVO) Communicator Ribbon, Denver, Colorado, May 2015.

### Sayan Basu

#### International

- Inaugural ARVO Communicator Ribbon, Denver, Colorado, May 2015.

### Shrikant Bharadwaj

#### National

- Editorial Board Member, *Scientific Reports*, a journal from Nature Publishing Group, June 2015.
- On the National Taskforce meet for curriculum development in Optometry, May 2015.
- Associate Topical Editor for *Optometry and Vision Science (OVS)* journal, February 2016.

### Jay Chhablani

#### National

- Young scientist grant from Department of Science and Technology, 2015.

- Association for Research in Vision and Ophthalmology Indian chapter travel grant, 2015.

#### International

- Member, Editorial Board, *Clinical Ophthalmology, Plos One*, November 2015
- Associate Editor, *BMC Ophthalmology*, November 2015.
- Rhett Buckler Award, 33<sup>rd</sup> Annual Scientific Meeting of the American Society of Retina Specialists, Austria, July 2015.
- Crossed 100 publications on PubMed, June 2015
- Inaugural ARVO Communicator Ribbon, Denver, Colorado, May 2015.
- Member, International Advisory Board, *Hong Kong Journal of Ophthalmology*, 2015.
- Committee member, Global ONE Network by American Academy of Ophthalmology, 2015.

### Subhabrata Chakrabarti

#### National

- S S Sarkar Memorial Lecture, 45<sup>th</sup> Annual Conference of the Indian Anthropological Society (IAS), Kolkata, May 2015.

#### International

- Mentor, ARVO Global Mentorship program, Association for Research in Vision and Ophthalmology (ARVO), February 2016.
- Inaugural ARVO Communicator Ribbon, Denver, Colorado, May 2015.
- Member, Professional Development and Education Committee (PDEC) of ARVO [May 2015 onwards]
- Member, Association for Research in Vision and Ophthalmology (ARVO), Research Training Planning Committee, May 2015.
- Visiting Faculty for Academic Visitor Program, Department of Ophthalmology and Vision Sciences, Chinese University of Hong Kong, June 2015.

### Nikhil Choudhari

#### National

- Silver award, *Indian Journal of Ophthalmology*, February 2016.

### Anthony Vipin Das

#### National

- Best paper and best presentation awards, Health Information Management Association India Info, Hyderabad, December 2015.

### Sujata Das

#### International

- Achievement Award, American Academy of Ophthalmology, 2015.

### Taraprasad Das

#### National

- Delivered the East India Zonal Ophthalmology Congress Oration, September 2015.

#### International

- Best poster award, American Academy of Ophthalmology, Las Vegas, November 2015.
- Elected President, Asia Pacific Vitreo Retina Society (APVRS), August 2015.
- Inaugural ARVO Communicator Ribbon, Denver, Colorado, May 2015.

### Tarjani Dave

#### National

- Runner-up in the video session, 1<sup>st</sup> Telangana State Ophthalmological Society, annual conference, Karimnagar, June 2015.

### Vivek Dave

#### National

- Swarup best video award, 1<sup>st</sup> Telangana State Ophthalmological Society, annual conference, Karimnagar, June 2015.
- Best video award, Delhi Ophthalmological Society, April 2015.

### Srikanth Dimpati

#### International

- Travel award, International Association of Contact Lens Educators (IACLE), April 2015.

### Prashant Garg

#### International

- Centre Partnership Grants, Medical Research Council and Department of Biotechnology for pre-existing research collaborations between UK and India, February 2016.
- Invited to Author, American Academy of Ophthalmology 'Focal Points Module' on Parasitic Keratitis, January 2016.

### Vijaya K Gothwal

#### International

- Inaugural ARVO Communicator Ribbon, Denver, Colorado, May 2015.

### Marupally Abhilash Goud

#### National

- Best presentation, 22<sup>nd</sup> Annual Meeting, Indian Eye Research Group – Association for Research in Vision and Ophthalmology, July 2015.

### Subhadra Jalali

#### National

- Innovation award, 1<sup>st</sup> national conference 'Lead Women WOS 2016', Women Ophthalmological Society, Noida, March 2016.
- Platinum Award, All India Ophthalmological Society - *Indian Journal of Ophthalmology*, February 2016.
- Nominated as National Patron, Women Ophthalmologists Society (of India), October 2015.
- Vocational Excellence Award for Retinopathy of Prematurity, Rotary club of Hyderabad Megacity and Rotary International District 3150, June 2015.
- Rustam Ranji Oration, 1<sup>st</sup> Telangana State Ophthalmological Society, annual conference, Karimnagar, June 2015.

#### Appointed Chairperson, Expert group on Capacity building of Ophthalmologists for ROP, under the Queen Elizabeth Diamond Jubilee Trust supported ROP program for India, April 2015.

- Appointed Co-Chairperson, Expert group on Advocacy and Communications for Sight threatening ROP, under the Queen Elizabeth Diamond Jubilee Trust supported ROP program for India, April 2015.

#### International

- Listed as a True Health hero by Queen Elizabeth Diamond Jubilee Trust on occasion of World Prematurity Day, November 2015.
- ROP work showcased to Queen Elizabeth, "Time to See Exhibition", London and International dignitaries, CHOGM, Malta, November 2015.
- 'Eye Health Leader' Award 2015, International Agency for the Prevention of Blindness, October 2015.

### Meha Kabra

#### National

- Young Scientist Award, Indian Society of Human Genetics (ISHG), March 2016.

### Swathi Kaliki

#### National

- Manoj Mathur Best Poster Award, 1<sup>st</sup> Telangana State Ophthalmological Society, annual conference, Karimnagar, June 2015.
- Best surgical video, Hyderabad Ophthalmologists Association meeting, August 2015.

#### International

- Editor, *Eyewiki, Ocular Oncology*, November 2015.

### Inderjeet Kaur

#### National

- Treasurer, Executive Council of ISHG (Indian Society of Human Genetics) [2015-2017].

#### International

- Inaugural ARVO Communicator Ribbon, Denver, Colorado, May 2015.
- Visiting scientist, Dept of Ophthalmology, UMass, Boston USA.

### Rohit C Khanna

#### International

- Member, Editorial Board, *Community Eye Health Journal South Asia Edition*, October 2015.
- Inaugural ARVO Communicator Ribbon, Denver, Colorado, May 2015.

### Ramesh Kekunnaya

#### National

- Member, Task Force Committee and Technical Resource Group of Rashtriya Bal Swasthya Karyakram, 2015.

#### International

- Member, Annual Program Committee, American Academy of Ophthalmology, 2015.
- International Member, Low Vision and Rehabilitation Committee, American Association for Pediatric Ophthalmology, 2015.
- Section Editor, 'Pediatric Ophthalmology and Strabismus' section of *BMC Ophthalmology*, November 2015.

### Vinay Kumar

#### National

- Best presentation award, Elite School of Optometry International Vision Science and Optometry Conference, Sankara Nethralaya, August 2015.

### Anil K Mandal

#### International

- 2<sup>nd</sup> prize for video presentation, 6<sup>th</sup> World Glaucoma Congress, Hong Kong, June 2015.

### Srinivas Marmamula

#### National

- Acknowledgement, best image, Annual Wellcome Trust/ DBT India Alliance Fellows meet, Hyderabad, November 2015.

### Indumathi Mariappan

#### National

- BM Birla Science Prize in Biology 2014, January 2016.
- R & D proposal, approved by the Science and Engineering Research Board, Department of Science and Technology for funding for 2015 – 2018.

### Dilip Kumar Mishra

#### International

- Guest Speaker and Co-chaired the session of Oration lecture of president, SAARC Academy of Cytopathologists and Histopathologists, Dhaka, Bangladesh, October 2015.

### Ashik Mohamed

#### National

- Second Prize, iQuest, 22<sup>nd</sup> Annual Meeting, Indian Eye Research Group – Association for Research in Vision and Ophthalmology, Hyderabad, July 2015.

#### International

- Visiting Scholar, Department of Cell Biology and Physiology, University of North Carolina, USA.

### Harika Mudunuri

#### National

- Best paper award, Silver Jubilee meeting of the Glaucoma Society of India, Mumbai, October 2015.

### Milind Naik

#### International

- Senior Achievement Award, American Academy of Ophthalmology, 2015.
- Achievement Award, Asia Pacific Academy of Ophthalmology, 2015.
- Member, American Society of Ophthalmic Plastics and Reconstructive Surgery, 2015.

### Tapas Ranjan Padhi

#### National

- Prof Biswambhar Rajguru Oration lecture and award, Odisha State Ophthalmological Society, 2015.

### Krushna Gopal Panda

#### International

- Honorable mention for photo submission, American Academy of Optometry, August 2015.

### Gullapalli N Rao

#### National

- Delivered Prof L P Agarwal Memorial Oration ,49<sup>th</sup> Founders Day of Dr R P Centre, All India Institute of

Medical Sciences, New Delhi, March 2016.

- Lifetime Achievement – Citizen of the Year – Australian Alumni Excellence Award 2015, Australian Alumni Association Trust, Hyderabad, June 2015.

### Aparna Rao

#### National

- Intermediate Fellowship, DBT Wellcome India Alliance, June 2016.

### Muralidhar Ramappa

- Ranga Reddy Endowment Award, 34<sup>th</sup> Annual CME, Sarojini Devi Hospital and Regional Institute of Ophthalmology, Hyderabad, April 2015.

### Padmaja Kumari Rani

#### National

- Dr Ravi Kumar Reddy endowment lecture award, 34<sup>th</sup> Dr P Rangareddy Annual CME program, Hyderabad India, September 2015.

### Vanita Pathak-Ray

#### National

- Best Video award, Silver Jubilee meeting of the Glaucoma Society of India, Mumbai, October 2015.

#### International

- Best poster, 8<sup>th</sup> International Congress of Glaucoma Surgery (ICGS) meeting at Muscat, Oman, February 2016.

### Jagadesh Reddy

#### National

- Runner-up, poster session, 1<sup>st</sup> Telangana State Ophthalmological Society (TSOS) Annual conference, Karimnagar, June 2015.

### Ashutosh Richhariya

#### International

- Inaugural ARVO Communicator Ribbon, Denver, Colorado, May 2015.

### Praveen Joseph S

#### National

- Young Scientist Award, K V Rao Scientific society, 2015-2016.
- Best poster presentation award, IERG-ARVO, LVPEI Hyderabad, July 2015.

#### International

- Fulbright-Nehru Doctoral Fellowship, September 2016 - May 2017.

### Virender Sachdeva

#### National

- Editorial Board, *APOS News and View Journal of AP Ophthalmological Society*, 2015.

#### International

- Editorial Board Member, ‘Pediatrics and Strabismus’ section of *BMC Ophthalmology*, November 2015.

### PremNandhini Satgunam

#### International

- BioAsia Innovation Award for “Pediatric Perimeter” February 2016.
- Second prize, Innovation in Eye Care Technology Contest, Elite school of Optometry’s International Vision science and Optometry Conference, EIVOC 2015, Augurst 2015.

### G Chandra Sekhar

#### National

- Dr Anjana Saikia Memorial Oration lecture, Ophthalmological Society of Assam, November 2015.
- Honoured by Glaucoma Society of India, under the aegis of Bombay Ophthalmologists and Maharashtra Ophthalmological Society, Mumbai, October 2015.

### Sirisha Senthil

#### National

- Awarded, All India Ophthalmological Society - Indian Journal of Ophthalmology Silver Award, February 2015.

#### International

- 1<sup>st</sup> prize for video presentation, 6<sup>th</sup> World Glaucoma Congress, Hong Kong, June 2015.

### Savitri Sharma

#### National

- Second best oral paper presentation, 11<sup>th</sup> National Conference of Society of Human and Animal Mycologists, Kufri, Shimla, March 2016.
- Executive Committee Member, Association for the Promotion of DNA Finger Printing and other DNA Technologies, India, 2015.
- Member, Bio-Safety Committee of National Institute of Animal Biotechnology, Hyderabad, 2015.

#### International

- Senior Achievement Award, American Academy of Ophthalmology, June 2015.
- Adjudged as 'Exceptionally Good Manuscript Reviewer', *Investigative Ophthalmology Vision and Science*, August 2015.

### S Shivaji

#### National

- Member, Advisory Committee for Space Sciences of ISRO, under the chairmanship of Dr U R Rao, December 2015.
- Received grant, Project Investigator, Department of Science and Technology, October 2015.
- Member DBT Task Force on Environmental Biotechnology, 2015-2016.

### Swati Singh

#### National

- Gangadhar Sundar free paper award, Odyssey OPAL meet, Bhubaneswar, January 2016
- Runner-up in the video session, 1<sup>st</sup> Telangana State Ophthalmological Society, annual conference, Karimnagar, June 2015.

### Shiva Shankar Talloju

#### National

- Professional Runner-up award, IAPB Photo Contest, October 2015.

### Shyam Sunder Tummanapalli

#### National

- Best poster award, Elite School of Optometry International Vision Science and Optometry Conference at Sankara Nethralaya, August 2015.

### Swapna Shanbhag

#### National

- Best poster award, Indian Eye Research Group, meeting, Hyderabad, July 2015.

### Mudit Tyagi

#### National

- Travel grant, Uvea Society of India, presented in United Service Institution of India, Pondicherry, September 2015.

### Pravin K Vaddavalli

#### National

- Founder Chairman, Scientific Committee, Telangana Ophthalmology Society, 2015.
- Founder Executive Council member, Cornea Society of India, 2015.

#### International

- Best paper of session, American Society of Cataract and Refractive Surgery, San Diego, April 2015.

### L Srinivasa Varadharajan

#### National

- On the National Taskforce meet for curriculum development in Optometry, May 2015.
- Reviewer, Competency Based Assessment Rubrics for Optometry, ORBIS, India, October 2015.

## Awards to Alumni

- **Kopal Mittal** received the Mohan Lal Gold Medal at the 49<sup>th</sup> Uttar Pradesh State Ophthalmological Society meeting at Allahabad; November 2015.
- **Ravi Bakaraju**, BLSO alumni, won the 2015 Irvin M Beatrice Borish Award at the American Academy of Optometry (AAOpt) meeting at New Orleans, USA; September 2015.
- **K V Ravi Kumar** was recognized by Ministry of Health, Medical and Family Welfare, Andhra Pradesh, for his innovative sewing machine technique for iris dialysis repair, IOL relocation and coloboma repair; June 2015.

Among the list of high achievers at the Institute this year, Javed Ali has been grabbing particular attention; firstly, for winning the Alexander von Humboldt fellowship and lately, for publishing his first article in German, his “first baby steps in a language that has been the mode of expression of major medical breakthroughs and innovations of 20<sup>th</sup> and 21<sup>st</sup> century.”

We share more of the earnest tête-à-tête with the man.

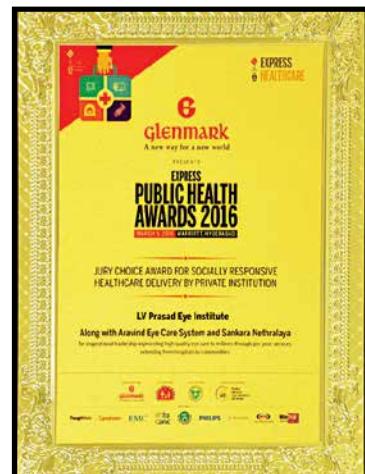


- Q. On the Alexander von Humboldt award - what inspired you to work for it, given the lack of precedence of that award among ophthalmologists?**
- A. I first heard of AvH fellowship from Subho (Subhabrata Chakrabarti) and that it is one of the most prestigious research fellowships in the world. I did not expect I would ever get it but as my pet phrase says, "I can live with failures but I cannot live without trying." Never in my wildest dreams did I think I would go on to win the much coveted Senior Fellowship among the AvH awards!
- Q. How difficult was it to acquire new competencies, like learning German for instance? It is no mean achievement to learn an alien language well enough to publish a scientific paper in it - how did you manage that?**
- A. Learning German is not easy. I realized early that quite a bit of the lacrimal literature, like many other branches of medicine, is in German, and I needed to know that well enough to have an overall perspective of the world literature. In addition, My friend Sayan Basu explained how this is connected to Sanskrit, so I thought that I might learn the root language of my country, and the future keeps encouraging me.
- Q. Any other adjustments you had to make, or new skills you had to pick up?**
- A. I learnt German through nursery rhymes and kid games and I loved every bit of being back in the Kindergarten.
- Q. How has life changed for you post the award? Any specific instances you would like to share?**
- A. Life has changed quite a bit post the award. Probably, I have gained a little more respect from peers across the globe, more so among researchers. The Senior AvH has opened up a multiple of newer avenues for my career progression and I hope to utilize each and every one.
- Q. What is the next goal you want to achieve?**
- A. With regards to the future, I firmly believe in the dictum "The Future belongs to the Unreasonables." So I have quite a bit of unreasonable and audacious goals for the future!

## Institute Awards



LVPEI won the best product award for ‘EyeSmart EMR - Rural App’ under the social impact category at the [HYSEA Annual Summit & Awards](#); March 2016.



LVPEI Receives the [Jury Choice - Express Public Health Award](#), at the Express Public Health Awards 2016 held at Hyderabad; March 2016.

- LVPEI's Hyderabad campus awarded the **second prize at the 2<sup>nd</sup> garden festival** organized by the Government of Telangana, Horticulture Department; February 2016.
- LVPEI Bhubaneswar awarded the **First Prize for its gardens** among 'Teaching and Training Institutes' at the Garden Competition conducted by the Garden Lovers' Association, Bhubaneswar; January 2016.



**Ramayamma International Eye Bank** was awarded the **Best Eye Bank in India**, for the highest number of corneas procured in the year 2014-15 by Eye Bank Association of India. LVPEI was felicitated for achieving a record **20,000 transplants** by a single institute; October 2015.



LVPEI won the **India Healthcare Award**, jointly instituted by CNBC TV18 and ICICI Lombard, in the category Best Single Specialty Hospital – Ophthalmology; June 2015.



Rated 4 on a scale of 5 by Customers on **Justdial**; April 2015.



At the SightLife Annual Meeting RIEB received an award for - **Excellence in Eye Banking** and a special award for reaching the milestone of **2000+ transplants** in 2015; January 2016.

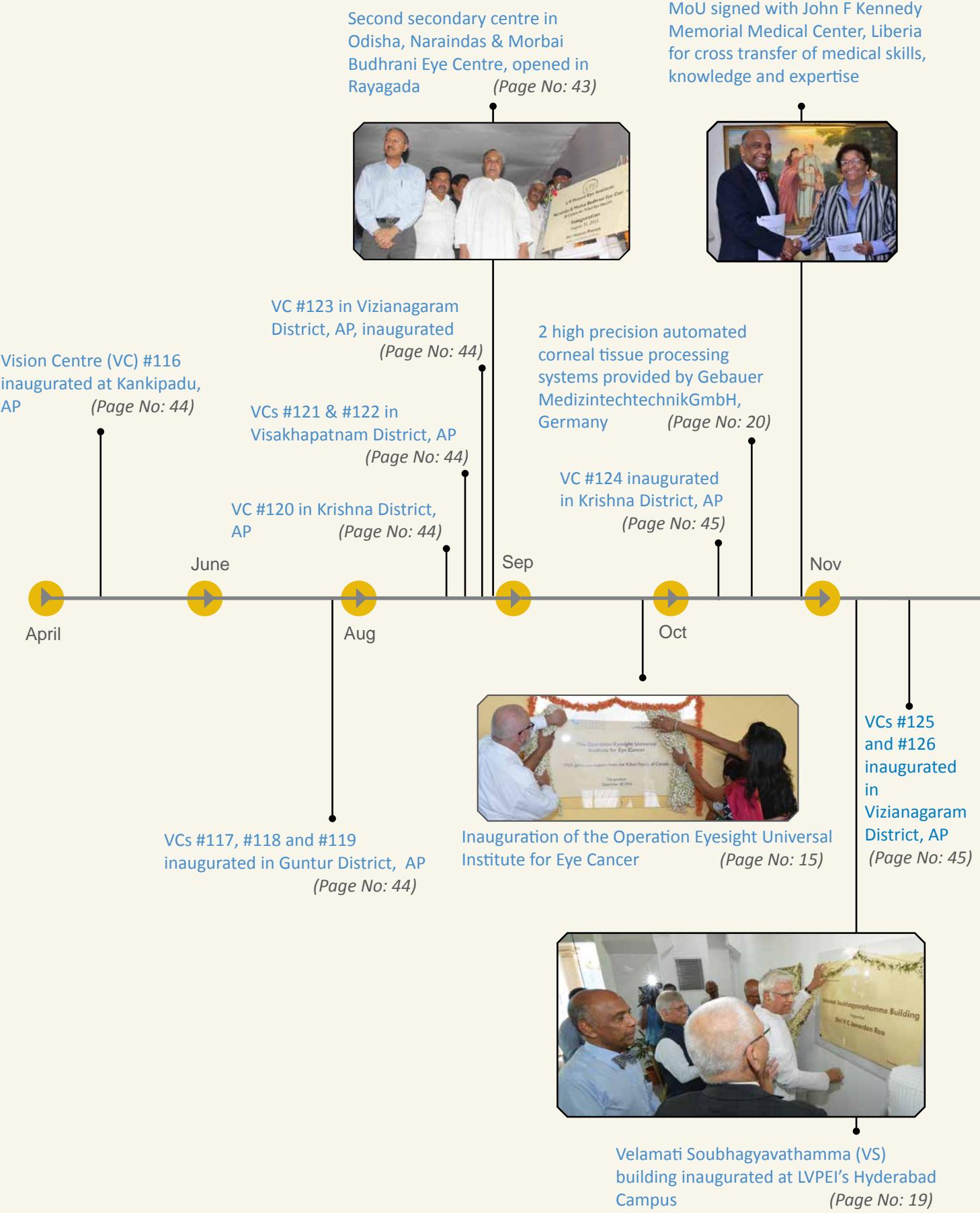
- Received **i-COOP 2015** (Scientific Collaboration Development program), a collaborative grant award with Visual Optics and Biophotonics Lab, Institute of Optics, Consejo Superior Investigaciones Científicas (CSIC, Spanish National Research Council). The investigators included Prof Susana Marcos (PI - CSIC), Virender S Sangwan (PI - LVPEI), Mukesh Taneja and Ashik Mohamed; December 2015.
- GMR Varalaskshmi Campus won the '**Vruksha Mitra Kannam Srinivasa Rao Memorial Award**'; 31 August 2015.



LVPEI received the "**Best Management Award**" given by the Labour Employment Training and Factories Department, Government of Telangana; May 2015.

- LVPEI's Central Audio Visual Unit won the **first prize in the Infographics category** awarded by Sight and Life, the Geneva based micronutrient initiative; 2015.

# Network News -



*Note: For detailed information, please refer the page numbers mentioned at the end of each highlight*

# The Year That Was

Tej Kohli Cornea Institute (TKCI)  
inaugurated at LVPEI's Hyderabad Campus  
(Page No: 14)



New initiatives launched at LVPEI's Vijayawada Campus: (a) AP Eye Banking Initiative and the Tej Kohli Eye Bank (b) Vijayawada component of Academy of Eye Care Education (c) Children's Eye Health Initiative in Krishna District, Andhra Pradesh.

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Arjun Waney Eye Centre  
inaugurated at Berhampur,  
Ganjam District, Odisha  
(Page No: 43)

Jan

Dec

Pre-cut Cornea Centre inaugurated  
at LVPEI's Bhubaneswar Campus  
(Page No: 36)



LVPEI Bhubaneswar campus  
celebrated its 10<sup>th</sup> Anniversary  
(Page No: 22)

Feb

VC #132 in Khammam  
District, Telangana  
inaugurated  
(Page No: 46)

VCs #129 in Nellore District  
and #130 in Naidupeta  
village, inaugurated in AP  
(Page No: 45)

VCs #127, #128, Nellore,  
District, AP  
(Page No: 45)

VC #133 in Guntur,  
District, AP  
(Page No: 46)

Corneal  
Transplantation  
surgery - a complex  
eye surgery -  
performed for the  
first time at the  
secondary eye care  
centre, the Edward  
and Soona Brown  
Eye Centre, Guntur  
District, AP  
(Page No: 42)



Kothapalli Rama Rao Surgical Centre  
inaugurated in the VS building  
(Page No: 20)

Aurobindo Geriatric Eye Care Centre  
inaugurated at LVPEI's Visakhapatnam  
Campus  
(Page No: 16)

Note: For detailed information, please refer the page numbers mentioned at the end of each highlight

# Tej Kohli Cornea Institute (TKCI)



The Tej Kohli Cornea Institute (TKCI) is a partnership between Tej Kohli Foundation, LVPEI and Dr May Griffith and her team. With the financial backing from Mr Tej Kohli and his foundation, TKCI was inaugurated on 11 December by Sri ESL Narasimhan, Hon'ble Governor of Andhra Pradesh & Telangana; Sri K T Rama Rao, Hon'ble Minister for Panchayat Raj & IT, Telangana was the guest of honour.



## Unique features

- Focuses on controlling corneal blindness
- Ensuring accessibility and affordability of quality eye care, especially in the developing and underdeveloped countries
- Highly skilled and compassionate team
- Use of cutting edge technology
- World class medical research
- Exploring revolutionary medical advances and their wider application across the field of ophthalmology.

# The Operation Eyesight Universal Institute for Eye Cancer



The Operation Eyesight Universal Institute for Eye Cancer, a world-class facility for ocular oncology offering critically required services to India and the developing countries through research, capacity-building and education programs, was inaugurated by Mr Brian Foster, Executive Director of Operation Eyesight Universal on 30 September 2015.



## Unique features

- An exclusive Institute for eye cancer that is one of its kind in the world
- The oncology services at LVPEI can claim to have more than a decade's experience in offering plaque radiation therapy and treatment to all types of ophthalmic/ocular tumors. We continue to provide this service at 'The Operation Eyesight Universal Institute for Eye Cancer'
- Entire value chain of services for eye cancer offered under one roof - patient care, research, education and rehabilitation
- Equipped with in-house chemotherapy unit for children
- The first and the only Institute in India to perform navigation-assisted surgery for complex orbital tumors
- Based on the socio-economic criteria, more than 50% patients are offered the same quality treatment entirely free-of-cost

# Aurobindo Geriatric Eye Care Centre (AGE)



In its endeavour to enhance the geriatric eye care facilities in Andhra Pradesh by providing high quality and affordable eye care services to the elderly population, LVPEI's GMR Varalakshmi Campus, Visakhapatnam inaugurated the first of its kind Geriatric Eye Care Centre on 22 March 2016. Supported by Aurobindo Pharma Limited, The Aurobindo Geriatric Eye Care Centre (AGE) was inaugurated by Sri K Nithyananda Reddy, Vice-Chairman, Aurobindo Pharma Limited. Also present was Dr M Sivakumaran, Director, Aurobindo Pharma Limited.



## Unique features

- Exclusive eco friendly ambience with a dedicated counsellor
- Yoga classes once a week
- Guided meditation
- Traditional indoor games
- Spiritual library

# Other Events Across the Network

## Glaucoma Awareness Week

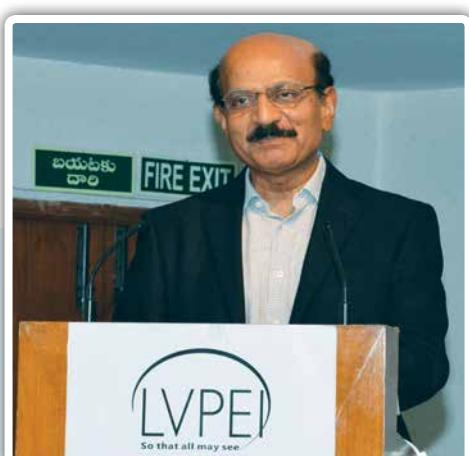
A series of activities to create awareness about glaucoma were organized from 6-12 March 2016. Awareness walks, skits, patient education forums and training programs were held.



Glimpses of the awareness walks organized at Hyderabad, Visakhapatnam and Bhubaneswar.



A training program for identification and management of glaucoma was organized at Vijayawada for the vision technicians.



## Celebrating 29<sup>th</sup> Foundation Day

LVPEI celebrated its completion of 28 years on 17 October 2015 with the entire network connected on video conference and sharing glimpses of their team's work through the year. Mr BVR Mohan Reddy, Founder, Chairman and Managing Director of Cyient, was the chief guest.

## Nurses Day Celebration

Nurses' Day was celebrated across the network on 12 May 2015.



## Children's Eye Care Week

On the occasion of Children's Day, World Prematurity Day and Children's Eye Care Week, 14-20 November 2015, several activities were organized to raise awareness on children's eye health. 'Good Eye Sight - Every Child's Right' was the theme. Glimpses of few of the key activities that took place:

**@Hyderabad:** 'Eyes Baby Eyes' was an interactive session for parents and children. What made it even more special was the presence of Chhota Bheem. An awareness walk was also organized.

**@Bhubaneswar:** A painting competition organized with 'Nature' as theme received participation from 75 students. A cultural event was also organized.

**@Visakhapatnam:** A school screening and eye care awareness program was organized.

**@Vijayawada:** A quiz on eye health for children was organized. A play to create awareness about squint was organized in various parts of the city.



## 'Bloodline' Blood Donation Initiative

Actor Nara Rohit inaugurated the 'Bloodline' Blood Donation Initiative at the KAR Campus in Hyderabad, held on the concluding day of the Retinoblastoma Awareness Week, 16 May 2015.



A blood donation drive was organized at the Bhubaneswar Campus on 17 October 2015.



A blood donation drive was organized at the GMRV Campus, Visakhapatnam on 7 July 2015.

# Kallam Anji Reddy Campus

L V Prasad Eye Institute recently crystallized the five values of PATIENT FIRST, EXCELLENCE, EQUITY, INTEGRITY and TOGETHERNESS that drive the organization.

A significant part of our energy and resources in the past year were devoted to our values of PATIENT FIRST and EXCELLENCE. The Velamati Soubhagyavathamma (VS) building is our effort to provide service to more patients in an ambience that is patient and environment friendly. We thank all our supporters and the teams, both internal and external, that helped us realize our dream of a green building "that does not look or feel like a hospital". One of the hallmarks of the VS building is the creation of integrated clinical and diagnostic services for each of the specialties. With the increased capacity, we aim to make our services available easily to all in need. This, along with the enhanced efficiency, has already resulted in significantly reduced waiting times. We do realize the need to constantly improve our systems and processes to ensure an experience for our patients that continues to get better.

Our endeavor to achieve EXCELLENCE in systems and processes saw us implement the enterprise resource planning SAP across our 150 locations. This would make our operations more efficient and improve our productivity. In the area of medical technology, we have upgraded our cataract and refractive service to the latest and best available, with the introduction of Femtosecond laser based cataract and refractive surgery. This up gradation, along with a dedicated outpatient and surgical facility, will enhance our ability to meet the patients' expectations.

In doing all the above, our mission of providing care, whatever the complexity involved, to all those in need - irrespective of their paying capacity - will continue. With this value of EQUITY, along with those of INTEGRITY and TOGETHERNESS, we shall continue to work towards our goal "So that all may see".



G Chandra Sekhar  
Vice Chair,  
Director,  
Kallam Anji Reddy Campus, Hyderabad

## Campus Highlights



### Velamati Soubhagyavathamma Building Inaugurated

The new building at Hyderabad was inaugurated on 9 November 2015 by Sri Velamati Janardan Rao, a successful entrepreneur and philanthropist. In acknowledgement to his generous contribution, the building is named after his mother. A number of other supporters of LVPEI also extended their support. This expansion will increase the patient volumes of our Hyderabad campus by about 75%.



*Velamati Soubhagyavathamma Building*



## Kothapalli Rama Rao Surgical Centre Inaugurated

The Kothapalli Rama Rao Surgical Centre at the Velamati Soubhagyavathamma building was inaugurated by Sri Kothapalli Kishore and his wife Meena on 25 January 2016.

## Technology Transfer from Germany

On the occasion of LVPEI's 29<sup>th</sup> Foundation Day, Gebauer Medizintechnik GmbH provided the institute with 2 high precision automated corneal tissue processing systems to enable preparation of pre sculpted tissue for endothelial corneal transplant in the Eye Bank and two high precision microkeratomes to assist in flap creating during LASIK surgery. This has been made possible with the support of the German Government in the form of a grant from the Deutsche Investitions und Entwicklungsgesellschaft (DEG).



## CAMTech Diabetes Innovation Clinical Summit

The ‘CAMTech Diabetes Innovation Clinical Summit: An Innovation Approach’ was hosted on 9 October 2015. The summit sought to provide affordable medical technology and was organized by the Consortium for Affordable Medical Technology (CAMTech) at Massachusetts General Hospital’s Center for Global Health.



## Photo Exhibition for a Cause

A photography exhibition cum sale was held at the Art Gallery in KAR campus by Vinay Swaroop Balla, an alumnus of BLSO, on 2 May 2015. Vinay is currently a Research Optometrist at National University of Singapore and donated the proceeds to the institute.

## Retinoblastoma Awareness Week

The 8<sup>th</sup> World Retinoblastoma Awareness Week was observed from 10-16 May 2015 to create awareness about this eye disease that affects children between the age group of 0-5 years. Early diagnosis can help save the vision and life of the child.



## Pilot Run of Mobile Apps for Climate Change

The valedictory function of ‘Mobile Apps for Climate Change’ was held at LVPEI on 17 April 2015 for the ‘Urban iNatureWatch Challenge’. More than 500 students from various Hyderabad schools participated by uploading the data they collected on the biodiversity of Hyderabad.

# Bhubaneswar Campus

What a great year it was, with us completing a decade of our services in Odisha!

This year a total of 122,832 people visited the Institute and 13,614 surgeries were performed. The 'C S Bhaskaran Lecture' on 'Progressive Myopia in Children' was delivered by Dr Meenakshi Swaminathan of Sankara Nethralaya, Chennai. A series of ten public lectures by eminent personalities from varied professions were organised on the occasion of the 10<sup>th</sup> year celebration of the Institute. Prof Harminder S Dua delivered the 'Prof Bijayanada Pattanaik Memorial Lecture' for 2016. We organised a CME and workshop on 'Lamellar Surgery and Ocular Surface' during Prof Dua's visit.

We have made a giant leap in our community eye care services this year. We expanded our eye care services beyond the Tertiary Centre at Bhubaneswar with three Secondary Centres at Rajgangpur, Rayagada and Berhampur becoming fully functional. We saw 18,146 patients and operated upon 1007 in these Secondary Centres. We also conducted screening programs for more than 10,000 tribal school children of Kalinga Institute of Social Science (KISS).

Our retina colleague Dr Tapas Ranjan Padhi completed his one-year International fellowship in Electrophysiology and Retinopathy of Prematurity (ROP) from the University of Kellogg. His experience in retinal dystrophy will strengthen our patient care. Dr Aparna Rao received grants from Wellcome-DBT, The Glaucoma Foundation and BIRAC. Dr Soumyava Basu has completed a short-term fellowship at the University of Cambridge supported by Indian Council of Medical Research (ICMR). This year, our publication number reached 48. Our first batch of primary DNB candidates passed their examinations and joined us as fellows.

Look forward to the coming year with renewed energy and greater accomplishments.

*Sujata Das*  
Sujata Das  
Director,  
Bhubaneswar Campus

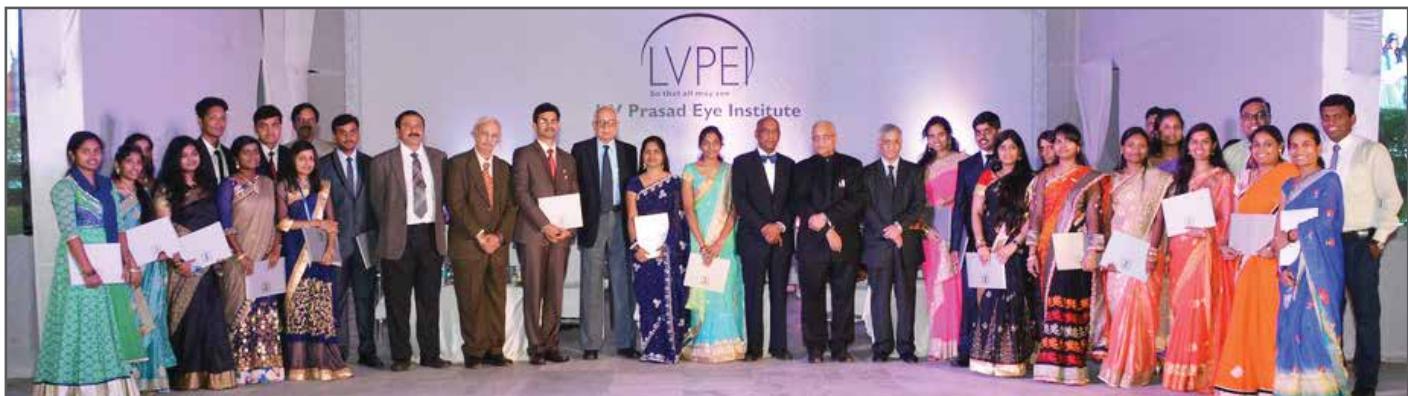
## Campus Highlights

### LVPEI Bhubaneswar's 10<sup>th</sup> Anniversary

LVPEI Bhubaneswar celebrated its tenth anniversary on 16 January 2016. The Hon'ble Chief Minister of Odisha, Shri Naveen Patnaik lauded the efforts of the Institute in making eye care affordable for the masses. Also present for the occasion was Shri Atanu Sabysachi Nayak, Hon'ble Minister, Health & Family Welfare and Information & Public Relations, Govt of Odisha. The celebration was marked by a series of events:



## Education Day



The investiture ceremony of Ophthalmic Nurses and Vision Technicians; and Diploma programs in Community Eye Health, was also held on the occasion. (Details page 38)

### Display of Paintings by International Artists



Eminent artists from various countries were invited to the Bhubaneswar campus to showcase their talent and their paintings were displayed at the campus.

### Inauguration of Pre-cut Centre



The centre is supported by Gebauer Medizintechnik GmbH, Germany, and was inaugurated by Prof Harminder Singh Dua. (Details page 36)

### The Enigma of the 6<sup>th</sup> Layer



A workshop on corneal procedures was conducted by Anterior Segment Services.  
(Details page 39)

### Public Lecture Series

As part of their 10<sup>th</sup> anniversary celebrations, LVPEI Bhubaneswar hosted a series of 10 Public Lectures. Eminent personalities from various walks of life were invited to deliver these lectures; April 2015 – January 2016.

### Sand Art Animation



The history of the Institute was explained through a fantastic sand art show.

### Alumni Meet



An alumni meet of the optometrists, retina and pediatric faculty was held during the day.

### 6<sup>th</sup> Bijayananda Patnaik Memorial Lecture



Prof Harminder Singh Dua, Chair and Professor of Ophthalmology, University of Nottingham, UK delivered a lecture on 'Steering the ship from studentship to leadership'.

(For the 'C S Bhaskaran Lecture', refer page 40)

# GMR Varalakshmi Campus

This year GMRV campus witnessed significant growth in the outpatient and surgical services, with over 100,000 patients seen and more than 11,000 operated. We are proud of the 30% jump we have achieved in our non-paying patients, which also signifies our ability to reach out to the underserved sections of society. This has been possible because of the wide network of 30 vision centres, spread across the 3 districts of Visakhapatnam, Srikakulam and Vizianagaram, where our Vision Technicians are actively screening and referring patients with eye problems to the tertiary centre in Visakhapatnam. They have surveyed close to 30,000 houses in the community and screened over 15,000 children in schools.

We welcome on board four young and dynamic faculty members - Dr J V Raghav (Cornea and anterior segment), Dr T V Kiranmaya (Glaucoma), Dr Varada V Gokhlay (Pediatric and neuro-ophthalmology) and Dr Maneck Nicholson (Comprehensive Ophthalmology), and look forward to the energy and enthusiasm that they will bring to our team.

Clinical research received a fillip with the number of publications in peer reviewed journals from our campus crossing 30. We are optimistic that we will hit the 100 mark in the not too distant future!

We were thrilled and happy to be involved in the eye screening of differently-abled children, participating in Special Olympics, in a program organized by the Lions Club. This is an extremely vulnerable and often neglected group. However, the high point of the year was the inauguration of the Aurobindo Geriatric Eye Care Centre which is a significant milestone in the history of LVPEI. Supported by a generous donation from Aurobindo Pharma, this centre with state-of-the-art facilities, will focus on eye diseases of the vulnerable age group of the elderly population, and is probably the first of its kind in the country. The centre developed by Dr Avinash Pathengay will be managed by Dr Maneck Nicholson.

We are looking forward to the coming year with renewed vigor and excitement as the electric energy of the team here in Visakhapatnam will surely boost our efforts in our vision 'so that all may see'.



Merle Fernandes  
Director,  
G M R Varalakshmi Campus, Visakhapatnam

## Campus Highlights

### 9<sup>th</sup> Anniversary of Visakhapatnam Campus



GMR Varalakshmi Campus, Visakhapatnam, celebrated their 9<sup>th</sup> anniversary on 7 July 2015.

## Special Olympics Lions Club International Opening Eyes Event

Special Olympics Lions Club International Opening Eyes Event was organized from 16-20 November 2015. 256 special athletes were screened during the event for refractive errors, colour blindness, cataract, retinal and corneal problems, glaucoma and squint. Out of these, 86 athletes were prescribed spectacles and 28 of them were referred for further consultation. Around 9 children with Down's Syndrome were advised bifocal glasses.



(For details on Auromax Geriatric Eye Centre, please refer page 16)

# Kode Venkatadri Chowdary Campus

With a significant increase in its performance this year, KVC Campus celebrated its fifth anniversary. Many key events and milestones marked the fifth year celebration of the Institute. On the Patient Care front, there was significant increase in the number of outpatients seen (20% growth) and the surgeries performed (30% growth) compared to last year. Commemorating the fifth year anniversary of KVC Campus, three important initiatives were launched in the month of February 2016. The Andhra Pradesh Eye Banking Initiative and Tej Kohli Eye Bank was formally launched by Hon'ble Chief Minister of Andhra Pradesh, Sri N Chandra Babu Naidu. The second initiative, the Academy of Eye Care Education was launched by Sri M Venkaiah Naidu, Hon'ble Union Minister for Urban Development, Housing and Urban Poverty Alleviation, and Parliamentary Affairs, and thirdly the Children's Eye Health Initiative - supported by the United States Agency for International Development (US AID) – was launched by Dr Kamineni Srinivas, Hon'ble Minister for Health, Medical Education & Family Welfare, Andhra Pradesh.

The David Brown Children's Eye Care Centre at KVC celebrated its 5<sup>th</sup> anniversary on 29 January 2016. Like every year, even this year "The Children's Eye Care Week" was celebrated with the same passion. Many activities took place during the week including training program for teachers and parents, eye care awareness talks, and painting competition for the children in Vijayawada, in which around 1600 children participated enthusiastically.

On the Education front, we started the second batch of Comprehensive fellows and a full fledged Vision Technician training program. We organized a few educational programs for the ophthalmology community in Vijayawada and the surrounding districts, which turned out to be very helpful for them.

We welcomed on board Dr Anasua Ganguly from West Bengal for Oculoplasty Services.

We look forward to scale newer heights with the same spirit of commitment and hardwork by the team on all fronts.



Dr Avinash Pathengay  
Acting Director

## Campus Highlights

### Several New Initiatives Launched



LVPEI's KVC Campus, Vijayawada launched several new initiatives on 19 February 2016 to consolidate its network of eye care service delivery and leadership position in the eye health space.

**Andhra Pradesh Eye Banking Initiative and the Tej Kohli Eye Bank:** This initiative was launched by Sri N Chandrababu Naidu, Hon'ble Chief Minister of Andhra Pradesh

**Academy of Eye Care Education:** Sri M Venkaiah Naidu, Hon'ble Union Minister for Urban Development, Housing and Urban Poverty Alleviation, and Parliamentary Affairs

launched the Vijayawada component of this initiative. (More details on page 39)

**Children's Eye Health Initiative:** Dr Kamineni Srinivas, Hon'ble Minister for Health, Medical Education & Family Welfare, Andhra Pradesh launched this initiative, which is supported by US AID.

## Vijayawada Campus Celebrates 5<sup>th</sup> Anniversary



KVC Campus celebrated its 5<sup>th</sup> anniversary on 16 February 2015.

## David Brown Children's Eye Care Centre Completes 5 Years

The David Brown Children's Eye Care Centre (DBCEC) celebrated its 5<sup>th</sup> Anniversary on 11 January 2016. Mrs Soona and Mr Edward Brown were present for the celebrations. To mark the occasion, the annual activity report of DBCEC for 2015 was released.



## World Optometry Day Celebrated

The World Optometry Day was celebrated at KVC campus on 23 March 2016. School screening programs, community eye health check programs and awareness talks about the optometry profession were organized.



# Vision Rehabilitation

The aim of the vision rehabilitation centre is to empower people with acute vision loss and enable them to lead as independent a life as possible. Specialized and professional vision rehabilitation services for the blind and for people with low vision are provided across the LVPEI network. This year a total of 28,216 people with vision loss availed these services across the network.

## The key components of these services are:

- Low Vision Care – assessment, training and prescription of devices
- Independent living skills training such as orientation and mobility, home management, personal grooming, money management etc.
- Assistive software training for using computers
- Guidance and placement services for economic independence
- Early intervention for children below 5 years
- Self help group meeting, peer support programmes and advocacy

## Highlights

### Community Based Rehabilitation

Social integration and equalization of opportunities for people with vision loss is the core objective of the Community Based Rehabilitation (CBR) services provided by LVPEI. This year through the CBR programmes supported by Sight First Lions International in Adilabad and Tech Mahindra Foundation in Hyderabad, a total of 289,656 were screened of whom 520 were rehabilitated, and various low vision devices and appliances were distributed to around 383 individuals.



### Low Vision Awareness Program (LAP)

LVPEI's popular biannual Low Vision Awareness program – LAP, meant for practicing optometrists and students, low vision specialists, educators, rehabilitation professionals, and vision technicians was organized in April and September this year. A total of 375 participants benefited from this programme. In addition, an advanced version "LAP Plus" was also organized in collaboration with the New England College of Optometry (NECO) and New England Eye (NEE), Boston, USA, from 9-11 March 2016. Attended by 22 participants, the program covered a wide variety of topics ranging from the use of technology to global perception of low vision.



## Expansion to Secondary Centres

LVPEI's vision rehabilitation services for the blind and visually impaired were extended to 9 secondary centres this year. The plan is to cover the remaining 6 secondary centres by the end of next year.

Nava Bharat Eye Centre, Navanagar, Paloncha, Khammam District, Telangana	Sudhakar & Sreekanth Ravi Eye Centre Markapuram, Prakasam District, AP
Kuchakulla Ramachandra Reddy Eye Centre, Thoodukurthy, Mahbubnagar District, Telangana	Swarna Bharat Eye Centre, Venkatachalam, Nellore District, AP
Madanapalle Eye Centre, Madanapalle, Chittoor District, AP	Y Mahabaleswarappa Memorial Eye Centre, Ballari, Karnataka
Sudhakar & Sreekanth Ravi Eye Centre, Kandukuru, Prakasam District, AP	Edward & Soona Brown Eye Centre, Dhulipalla, Guntur District, AP
	OCL Eye Centre, Rajgangpur, Odisha

## Integrated Fun Camp

Integrated fun camps focusing on social integration were organized at LVPEI's KAR Campus, Hyderabad and GMRV Campus, Visakhapatnam and Bhubaneswar Campus for the vision rehabilitation clients and their family members.



@Bhubaneswar



@Hyderabad



@Visakhapatnam

## Parents' Association of Visually Impaired (PAVI)

Parent Association for the Visually Impaired (PAVI) is a forum created to empower the parents and family members of the clients of the vision rehabilitation department. This year around ten meetings for the PAVI group were organized and topics like genetic counseling, occupational therapy, behavioral modification, educational guidance, importance of yoga, etc. were covered. Around 75 parents attended each program and benefitted from it.



## The 18<sup>th</sup> Volunteer Meet

The 18<sup>th</sup> 'Rehab Volunteers Meet' was organized at LVPEI's KAR campus on 2 January 2016 with the aim to thank all the volunteers who had rendered their services in the form of time, talent and treasure and to brainstorm on the way forward. Voice lending, scribe, fund raising, editing of Braille books, etc. are few of the key volunteering activities at LVPEI.



@Visakhapatnam



@Hyderabad

## Vocational Training Provided

A vocational training program on the craft of making candles, wires, paper bags, etc was organized at LVPEI's KAR and GMRV Campuses in November.



## Workshop for Andhra University Students

An educative workshop was organized at LVPEI's GM RV Campus, Visakhapatnam for the students from the special education department of Andhra University on 26 November 2015. They were educated on LVPEI's vision rehabilitation and low vision services.

## Achievements of our Clients

**Excellence in Academics:** 33 students from the 10<sup>th</sup> grade and above were provided educational support and guidance in terms of digital audio books, Braille books, scribes, scholarship, etc.; 22 among them secured 60-90% in their respective streams.

**Gainful Employment:** Enabling economic independence for the working age group of visually impaired people is one of the important services provided by the rehabilitation department. This year around 36 clients were successfully placed in various organizations such as Wipro, CISCO, Synchrony Financials, Dialogue in the Dark, RBI, Canara Bank, SBI, etc; whereas through our CBR programme 34 clients were trained and engaged in self employment generation activities like petty shop, cattle rearing, etc.

## Rehabilitation of the Blind and Visually Impaired

Rehabilitation Services	Meera & L B Deshpande Centre for Sight Enhancement & Dr PRK Prasad Centre for Rehabilitation of Blind and Visually Impaired, Hyderabad	NTPC Centre for Sight Enhancement & Rehabilitation of Visually Challenged, Bhubaneswar	Bob Ohlson Centre for Sight Enhancement & Rehabilitation Services, Visakhapatnam	Bob Ohlson Centre for Sight Enhancement & Rehabilitation Services, Vijayawada	Total
New Clients	5537	2165	1462	929	10,093
Follow-up Clients	14,801	766	732	1824	18,123
Services delivery					
Special Skills training	575	933	702	1018	3228
Computer assistive training	3714	127	606	846	5293
Early Intervention Services	3701	234	297	189	4421
Environmental modification	1069	582	462	474	2587
<b>Educational guidance</b>	<b>722</b>	<b>264</b>	<b>202</b>	<b>315</b>	<b>1503</b>
Vocational guidance	161	146	92	126	525
Supportive guidance	2744	245	46	161	3196
Audio books, Braille & Large print books	33 Books	10 Books	4 books	6 Books	53 Books

## Shravya's melodious journey



Shravya Kanithi, 22, believes that situations can be difficult but not impossible to deal with. A talented singer, she is inspiring many in Hyderabad with her melodious performances. She has even won the "ETV Telugu Black Music Reality Show". Recently after completing her graduation, she joined Uber as Community Operations Specialist. Born with no vision at all, Shravya today has come a long way from being the extremely timid and shy child she was.

When she was just 21 months old, her parents noticed that all was not right with her eyes and brought her to LVPEI. Their worst fears were confirmed when they came to know that their little angel was born without any vision. Her mother took it upon herself to learn Braille so that she could teach little Shravya and would visit LVPEI every week. They were residing in Visakhapatnam at

that time and afterwards the family even shifted to Hyderabad for better education. "My initial school days were very difficult and challenging, as my teachers and peers didn't know how to deal with me. But later the school I joined was much more supportive to my needs and gave me all the opportunities to grow," recalls Shravya. She feels that LVPEI has been a pillar of strength for her and her family, especially Beula Christy, whom she fondly calls "Beula Aunty".

"People with visual impairment have this mental block that professionally very few options are available for them. But that's not the truth. I have been fortunate to have mentors who have guided and supported me and now I want to extend the same support to other people like me," says Shravya.



## Low Vision Assistive Device Helps Rohit's Academics

Born with albinism, **Rohit Navneet Krishna**, has been using spectacles since he was just 9 months. In 2002 when his parents brought him to LVPEI for a general eye check-up, the then consulting doctor informed them about the Low Vision (LV) Services offered by the Institute. "Till then we were unaware that such specialized and professional services even exist. So it was a big relief to know that there was somebody to help us manage Rohit's low vision," says Sita Lakshmi, his mother.

Rohit was prescribed a magnifier and pocket telescope, and detailed training and guidance was provided to him and his mother on how to use them. Since then they have been regularly visiting the Institute for follow up and to keep themselves abreast with the latest developments in the field of low vision.



Today Navneet, 16, has completed his schooling from one of the most reputed schools in Hyderabad. He scored 8.2 and 7.2 percentile in his 10<sup>th</sup> and 12<sup>th</sup> grades respectively. "We are very happy that he achieved this score without the help of any extra time and scribe. For us more than the scores, it is important that he becomes self reliant. There are a plethora of services available for people with LV, all they need is proper guidance and training," says Ms Lakshmi. Rohit is currently preparing for Chartered Accountant - Common Proficiency Test.

# Patient Care Services

This year, a total of 1,655,246 people were served across the network. Of these, 67.89% received eye care services (including population covered through community eye health programs) completely free of cost irrespective of the complexities.

## Clinic Visits and Surgical Procedures

	Outpatient visits	Entirely fee of cost	Surgeries	Entirely free of cost
Primary Eye Care (133 Vision Centres)	204,180	100%	Not Applicable	Not Applicable
Secondary Eye Care (15 Service Centres)	210,967	43.28%	23,890	67.92%
Tertiary Eye Care (Bhubaneswar, Visakhapatnam, Vijayawada)	296,885	27.74%	32,597	40.69%
Advanced Tertiary (Quaternary) Care Hyderabad	270,455	46.48%	41,880	38.97%
Total	982,487	51.25%	98,367	46.57%

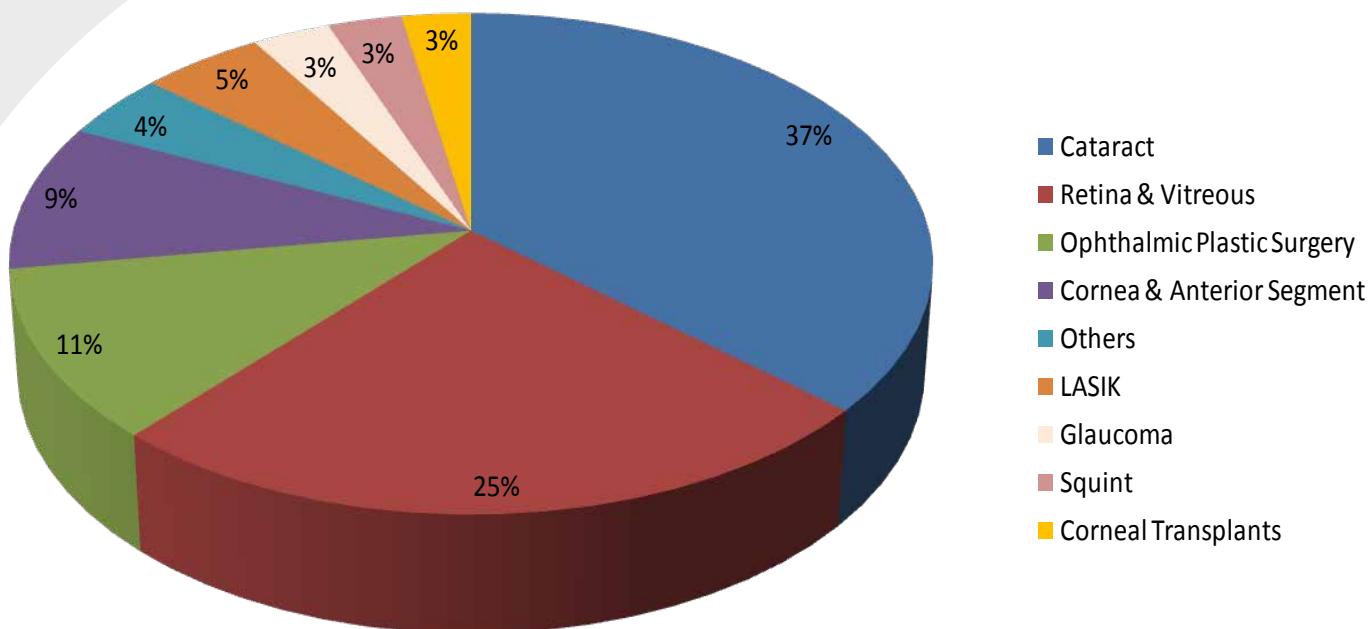
## Tertiary & Advanced Tertiary Care

### Clinic Visits and Surgical Procedures for Patients (Across the 4 campuses)

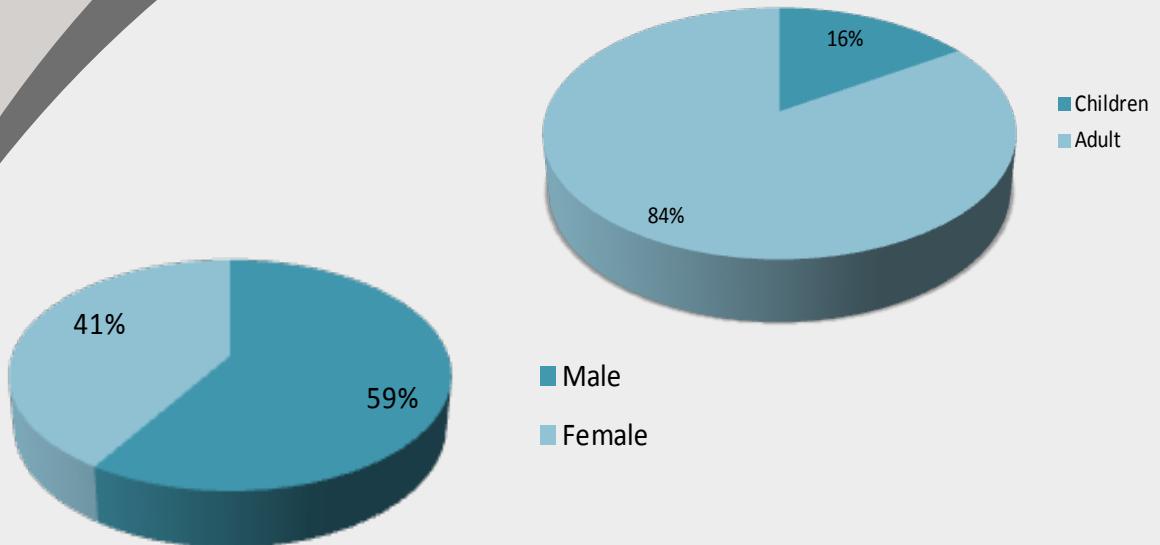
Campus	Outpatient visits			Surgical procedures		
	Paying	Non-paying	Total	Paying	Non-paying	Total
Kallam Anji Reddy Campus, Hyderabad	144,741	125,714	270,455	25,557	16,323	41,880
Bhubaneswar Campus, Bhubaneswar	95,122	27,502	122,624	8388	4718	13,106
GMR Varalakshmi Campus, Visakhapatnam	69,577	31,127	100,704	6872	4830	11,702
Kode Venkatadri Chowdary Campus, Vijayawada	49,813	23,744	73,557	4073	3716	7789
Total	359,253	208,087	567,340	44,890	29,587	74,477

(Refer pages 48-51 for complete details about the population covered through our community and rural eye care centres)

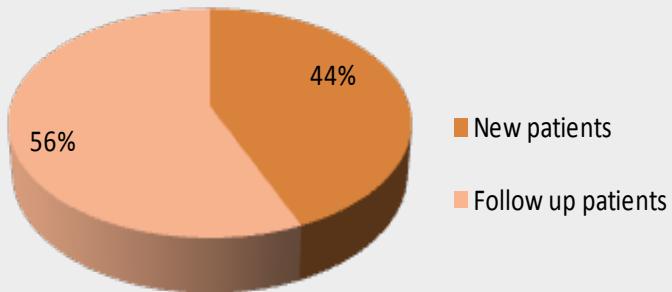
## Analysis of Surgical Procedures



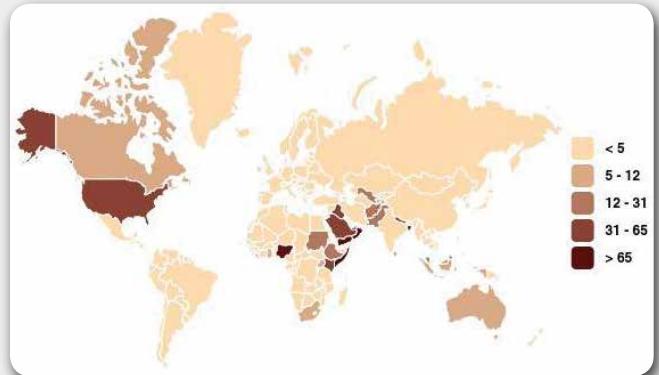
## Patient Profile (Outpatients)



Total international patients: 1566



International patients spread

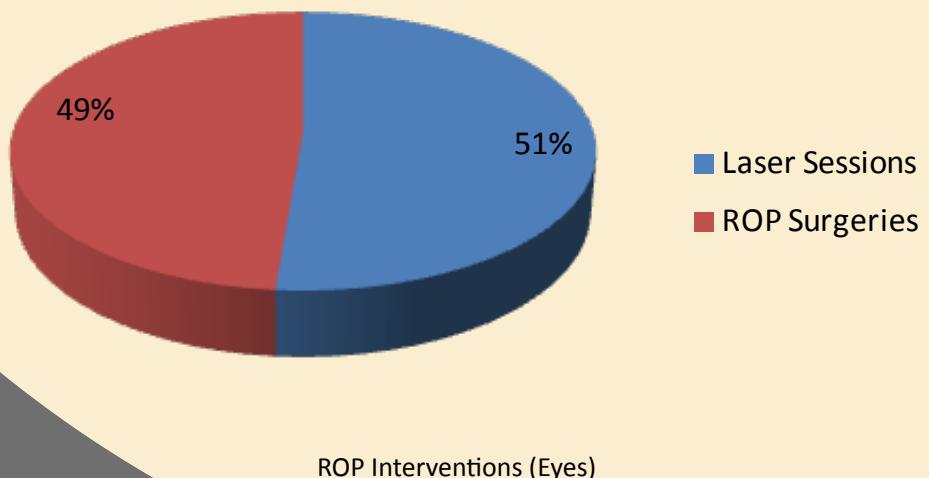


## Retinopathy of Prematurity (ROP) Program

Pediatric Retina Surgeries (<14 years) - 1320

Babies Screened for ROP - 3052

ROP Identified Babies - 1185



## Vision restored, Sanjeev feels a sense of freedom

Sanjeev Kumar, 36, from Jamshedpur says, "I feel a sense of freedom today. I am more confident, can move around independently, read on my own and can even help others if needed."

Side effects of a medicine that he took when he was 13 resulted in skin inflammation and 80% vision loss. He consulted a doctor in Chennai. The ointment and drops that he was prescribed dried his nerves, leading to complete vision loss, barring light perception. He finished the rest of his education in a special school for the visually impaired. His parents neither had the financial resources nor the willingness to seek further treatment for him.

In 2010 Sanjeev came in contact with Ms Sulekha Aikat, General Secretary, Astitwa, an organization working for the physically and mentally challenged people. "Our family doctor examined Sanjeev and assured us that there was still some hope and on his advice we consulted Dr Bhupesh Bagga at LVPEI, Hyderabad in 2013. What followed then was extensive counseling, a couple of failed surgeries, complications, recoveries and finally in July 2015 the miracle happened. 50% of his vision has been restored and I am extremely overwhelmed with the treatment that Sanjeev has received at LVPEI, that too at no cost!" says Sulekha.

Sanjeev aspires for a banking job and has recently written his entrance examination.



## Keshava, a true winner

Born with congenital glaucoma in both eyes and currently with functional vision only in his right eye, Keshava Reddy Dugnoor, 38, today has to his credit four masters degrees, with the most recent one being "Master of Finance" from Iowa State University, USA. He is a lifetime member of the "International Honour Society of Beta Gamma Sigma" and presently works at Nationwide Insurance - Fast Switch Ltd, Ohio. Despite the extensive surgeries he underwent since the tender age of 9 months, and the rigorous treatment regime he is currently following in the USA, Keshava truly has overcome all odds and proved to be a winner.

"My association with LVPEI started in 1997. By then the institute was offering the very best in eye treatment with social consciousness as its forefront motto," recalls Keshava. What followed thereafter was a series of surgeries and recoveries. "All the doctors, especially Dr Virender Sangwan, Dr Anil Mandal, Dr Somasheila Murthy and Dr Raja Narayanan who treated me and the support staff at LVPEI have been fabulous and compassionate. Thank you for the positive transformation you all are bringing in lots of lives," says Keshava. Passionate about music, writing, travelling and photography to name a few, he is also committed to giving back to the society and is associated with various development organizations as a volunteer. It is stories like that of Keshava's that motivate the Institute to continue working ceaselessly towards its mission "So that all may see".



# Eye Banking

Established in 1989, the **Ramayamma International Eye Bank (RIEB)** at LVPEI is the largest provider of sight restoring corneas in India and a SightLife Cente of Excellence in Eye Banking.

## Awards & Honours

- Awarded for 'Excellence in Eye Banking 2015' and a special award for reaching the milestone of 2000+ transplants in 2015 by SightLife
- Awarded as the best eye bank in India and felicitated for achieving a record 20,000 transplants by a single Institute by Eye Bank Association of India (EBAI)

## Highlights

### Hospital Cornea Retrieval Programme (HCRP) Expanded

RIEB's HCRP program that focuses on hospitals retrieving corneal tissues, was further expanded and was initiated at the Government General Hospital, Karimnagar, Telangana on 23 June 2016 and in two more hospitals, Sri Venkateswara Institute of Medical Sciences and SVR Ruia Govt General Hospital in Tirupati, AP.

### National Eye Donation Fortnight

The 30<sup>th</sup> Eye Donation Fortnight was held from 25 August - 8 September 2015. Events conducted included kiosks to distribute eye donation material and pledge cards at major General Hospitals in Kurnool, Warangal and Hyderabad; a press conference in Warangal; awareness talks at Siddipet and a pledge program at Chevella. Scrolling messages about eye donation were displayed in the local cable channels.



### Awareness Activities

A series of eye donation awareness talks and public lectures were organized in and around Hyderabad to motivate pledging for eye donation.

# Community Eye Banks

## Mohsin Eye Bank

Mohsin Eye Bank is a community Eye Bank located at LVPEI, GMRV Campus, Visakhapatnam. It completed 15 years of dedicated services in supplying tissues to doctors across Andhra Pradesh, Telangana and the neighboring states. HCRP program, volunteers and affiliated centres, are the main source for tissue collection.



To mark the 15<sup>th</sup> anniversary celebrations of Mohsin Eye Bank, this year a Ladies' Forum was created to promote eye donation in various hospitals. The eye donation fortnight was observed by organizing awareness rallies and support desks.



## Drushti daan Eye Bank

Drushti daan Eye Bank (DDEB), Odisha's first Eye Bank completed 8 years of partnership with LVPEI Bhubaneswar this year in helping the corneal blind to regain sight. A series of public awareness activities such as school painting competition, awareness sticker on autorickshaw campaigns, talks, skits and walkathon were organized to mark the eye donation fortnight.

## Inauguration of Pre-cut Centre at LVPEI Bhubaneswar

Drushti daan Eye Bank at LVPEI Bhubaneswar is the first Eye Bank in Eastern India and in Odisha to make pre-cut donor corneas available for corneal transplantation. With the support of Gebauer Medizintechnik GmbH, Germany, this centre was inaugurated by Prof Harminder Singh Dua, Chair and Professor of Ophthalmology, University of Nottingham on the occasion of the 10<sup>th</sup> anniversary of Bhubaneswar Campus on 16 January 2016. The advanced tissue preparation centre will enable surgeons to perform more effective surgical techniques like DSEK, which are less invasive but improve outcomes, reduce risk of rejection and hasten healing.



## Partner Eye Donation Centres

Akbar Eye Hospital, Anantapur (10); Amrita Nursing Home, Vemulawada (8); Balaji Eye Care, Anantapur (34); Chiranjeevi Charitable Trust, Hyderabad (126); DBCS, Nalgonda (2); District Hospital, Jangaon (6); District Hospital, Anantapur (10); \*District Hospital, Mahbubnagar (23); Gowthami Eye Institute, Rajahmundry (117); IRCS KMEDC Srikakulam (24); Kadapa Eye Bank, Kadapa (2); Kamineni Institute of Medical Sciences, Narketpally (18); Khammam Eye Bank, Khammam (28); Indian Red Cross Society, Eluru (4); Lions Club of Nizamabad (2); \*Lions Club of Karimnagar, Rekurthi (428); Lions Eye Hospital Bodhan (36); Lions Club of Suryapet Eye Hospital, Suryapet (26); Lions Club of Cherial (2); Lions Club of Thorrur (2); Lions Club of Kesamudram (10); Lions Club of Ramagundam (8); Lions Club of Mahabubabad (22); Mohsin Eye Bank, Visakhapatnam (71); Modern Eye Hospital & Research Centre, Ongole (81); Mamata Eye Bank, Khammam (4); Modern Eye Hospital, Nellore (189); MVR Eye Centre, Tanuku (22); Nayana Eye Care, Nandyal (2); Pavani Eye Hospital, Jagityal (18); Ram Reddy Lions Eye Hospital, Mahbubnagar (2); \*Regional Eye Hospital, Warangal (578); \*Regional Eye Hospital, Kurnool (473); Rotary Eye Hospital, Vuyyur (18); RR Lions Eye Hospital, Palakol (12); Santram Medical College, Nandyal (17); Siloam Eye Hospital, Madanapalle (6); Sudarsani Eye Hospital, Guntur (16); Surya Swachanda Seva Samithi, Mahabubabad (14); SRR Lions Eye Hospital, Nidadavole (248); \*SVRRG General Hospital, Tirupati (79); Sadhuram Eye Hospital, Hyderabad (8); Sri YBR Murthy Konaseema Eye Bank, Ambajipet (58); Sreelatha Modern Eye Hospital, Chittoor (4); SKVBRIRCS Eye Bank, Kurnool (2); Dr Y V Lakshmidhi Eye Bank, Prodduturu (32); Yanam Eye Bank, Yanam (18); YSMII Area Hospital, Machilipatnam (2).

\*RIEB run HCRP centres; Prominent contributors marked in blue.

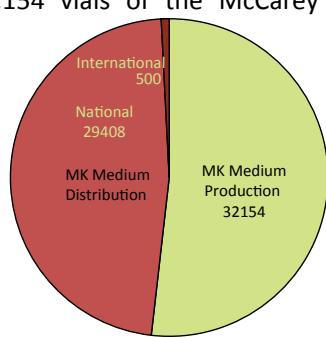
## Eye Bank Statistics

Corneas collected	Ramayamma International Eye Bank, Hyderabad	Drushti daan Eye Bank, Bhubaneswar	Mohsin Eye Bank, Visakhapatnam	Total
Hospital Cornea Retrieval Program	3212	860	209	4281
Volunteered	705	60	234	999
Affiliate Centres	1637	-	68	1705
<b>Total</b>	<b>5554</b>	<b>920</b>	<b>511</b>	<b>6985</b>
<b>Corneas Utilized</b>				
Surgeries at own Campuses	1680	214	39	1933
To other LVPEI Campuses	351	9	58	418
To Surgeons Outside LVPEI	886	545	103	1534
Training & Research	1653	-	122	1775
<b>Total</b>	<b>4570</b>	<b>768</b>	<b>322</b>	<b>5660</b>
Discarded	984	152	189	1325

## Product Development

### McC Carey-Kaufman (MK) Medium for Corneal Preservation

The RIEB produced 32,154 vials of the McCarey-Kaufman (MK) Medium during the year. We supplied 29,908 vials of the MK Medium to 200 national Eye Banks and 4 International Eye Banks (Dhaka, Bangladesh; Kathmandu, Nepal; Yangon, Myanmar; Seattle, USA.)

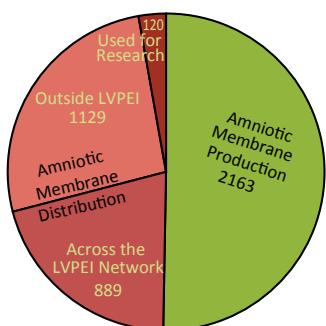


### Distribution of MK Medium and Amniotic Membrane



### Amniotic Membrane for Ocular Surface Reconstructive Surgeries

RIEB produced 2163 pieces of amniotic membranes during this year. In addition to providing 889 amniotic membranes to all the LVPEI tertiary campuses and three secondary eye care centres, it provided 1129 membranes to surgeons outside LVPEI. A total of 120 membranes were provided for in-house research and training purposes.



# Education

## Academy of Eye Care Education

- Mark Nathaniel Thadikonda and Vijayamma Nannepaga Centre for Eye Care Education, KAR Campus, Hyderabad
- Ramachandra Pararajasegaram Community Eye Health Education Centre, GPR ICARE, Hyderabad
- Bausch & Lomb School of Optometry, GPR Campus, Hyderabad
- Pathak Centre for Eye Care Education, Bhubaneswar Campus, Bhubaneswar
- Pathak Centre for Eye Care Education, GMR Varalakshmi Campus, Visakhapatnam

In the first half of 2014-15, we consolidated the various educational programmes across the network under the umbrella of "Academy of Eye Care Education". In the latter half, we focused on more effective learning, introducing technological innovation.

Our commitment to excellence was underscored by the successful training of over 151 students in the past year, in all cadres: Ophthalmology, Optometry, Vision Technicians, Ophthalmic Nursing Assistants, DEHM, DCEH. The spectacular graduation ceremony was held on "Education Day" 16 January 2016 at Bhubaneswar Campus, to the joy of their parents.

The Academy continues to lead through its global partnerships with WHO, London School of Hygiene & Tropical Medicine, UK (with Commonwealth Eye Health Consortium – CEHC), The Royal Australian and New Zealand College of Ophthalmologists, and John F Kennedy Memorial Medical Center, Liberia. 12 of our trained International fellows will now touch lives in underserved South East Asia and Africa. Through our collaboration with ICO we trained 2 fellows this year thus commencing our new offer of Short Term Fellowship in Ocular Oncology. In the next two years, we will be training 6 candidates sponsored by ICO.

Our global resident rotation programme brought in residents from renowned universities like Flaum Eye Institute, University of Rochester Medical Center, USA; Case Western Reserve University, USA; Duke University Eye Centre, Durham, North Carolina, USA; Wills Eye Hospital Philadelphia, USA. Our association with the industry continues to flourish with support from Carl Zeiss, Alcon, Allergan and Bausch + Lomb.

## Highlights

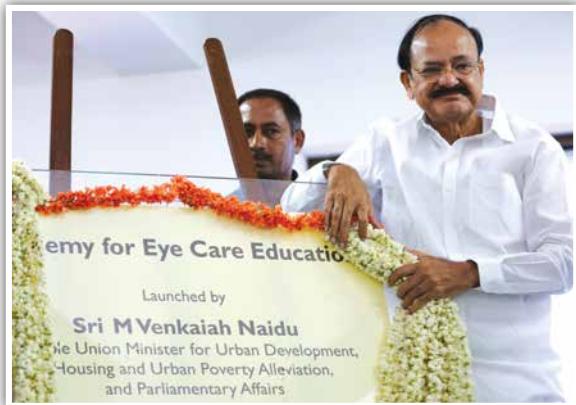
### Second Annual Education Day Celebrated

The Education Day was celebrated in conjunction with the 10<sup>th</sup> Annual celebrations of the LVPEI's Bhubaneswar campus, 16 January 2016. Around 151 trainees comprising Ophthalmologists, Optometrists, Vision Technicians, Ophthalmic Nursing Assistants, DEHM & DCEH graduates were awarded their certificates. The chief guest for the event was Dr V Raghunathan, CEO, GMR Varalakshmi Foundation. The occasion was also graced by Hon'ble Chief Minister of Odisha, Shri Naveen Patnaik and Shri Atanu Sabyasachi Nayak, Hon'ble Minister, Health & Family Welfare and Information & Public Relations. An alumni meet of the optometrists, retina and pediatric faculty was held.



## Academy of Eye Care Education at Vijayawada

The Academy of Eye Care Education has been identified as one of LVPEI's strategic initiatives for the next 25 years to bridge the human resource crunch in the eye health provider to patient ratio. Sri M Venkaiah Naidu, Hon'ble Union Minister for Urban Development, Housing and Urban Poverty Alleviation, and Parliamentary Affairs launched the Vijayawada component of this initiative on 19 February 2016.



## Secondary Centres Connected Through a Virtual Classroom

Adobe Connect Web Conferencing software was used for the first time to create a virtual classroom for fellows and residents posted across LVPEI's Secondary Centres in January 2016. A couple of interactive discussion on management and diagnosis of the patients have been held.

## Continuing Medical Education / Training Programmes

### Bhubaneswar Campus

**Looking Beyond the Eye, Arjun Waney Eye Centre, Berhampur:** *Core focus:* Systemic Diseases.

**Enigma of the 6<sup>th</sup> Layer:** *Core focus:* Corneal procedures, lamellar surgery and ocular surface.

**Eye on The Future:** *Core focus:* Pediatric ophthalmology, strabismus and neuro-ophthalmology.

**Cranial nerve and extra ocular muscle (EOM):** *Core focus:* Cadaver.

**Crusade against diabetic blindness:** *Core focus:* Diabetic Retinopathy.

### GMRV Campus, Visakhapatnam

**Looking Beyond the Eye - IV:** *Core focus:* Developing a holistic understanding of ocular disorders that have a systemic association.

### KAR Campus, Hyderabad

**Ocular Surface Workshop III:** *Core focus:* Ocular surface disease and its management.

**Glaucoma Basic Course - Glaucoma the Known and the Unknown:** *Core focus:* Basics of diagnosis and management of glaucoma.

**2<sup>nd</sup> Annual ALO Scientific Meet:** *Core focus:* Controlling myopia, spectacle dispensing and latest technology in the ophthalmic field.

**4<sup>th</sup> LVPEI-SightLife DSEK Skills Transfer Course:** *Core focus:* DSEK Skills.

**Trainer's Training in Optical Dispensing (TTOD):** *Core focus:* Optical dispensing.

**Eye PEP 2015:** *Core focus:* Hands-on experience of basic and clinical ophthalmology for post graduate students.

**ReLOAD (Review Learnings on Advancement and Development):** *Core focus:* Experience sharing by fellows and residents.

**Glaucoma Implant Workshop:** *Core focus:* Surgical principles of GDD implantation, their techniques, associated complications and their management.

**CROSSFIRE - Controversies in retinal imaging:** *Core focus:* Retinal and choroidal imaging.

**51<sup>st</sup> Indian Contact Lens Program (ICLEP):** *Core focus:* Management of ocular conditions using current specialty contact lenses and clinical skill enhancement.

### KVC Campus, Vijayawada

**Pediatric Eye in Systemic Disease:** *Core focus:* Systemic diseases which have significant ocular manifestations.

Note: For Low Vision Awareness programme, refer page 29

## Endowment Lectures



### Dr C Syamala Bhaskaran Endowment Lecture

Prof Scot Andrew Muirden

Director, Charles Bonnet Syndrome Foundation, Melbourne, Australia; *Title:* Charles Bonnet Syndrome: A blind spot in eye health care; 3 November 2015.



### Dr Rustam D Ranji Rotary Award and Lecture

Dr Evita Fernandez

Managing Director, Fernandez Hospital; *Title:* The Growth of an Institute: The Fernandez Journey; 23 September 2015.



### C S Bhaskaran Endowment Lecture

Dr Meenakshi Swaminathan

Director of Academics and Senior Consultant - Pediatric Ophthalmology, Sankara Nethralaya; *Title:* Progressive high myopia - are we on the verge of an epidemic?; 3 July 2015.

## Guest Lectures



**Ms Saskia X**

Volunteer, Project Trust UK;

*Title:* Lessons taught and

lessons learned in India and at LVPEI;

8 April 2015.



**Dr Sathish Srinivasan**

Consultant Corneal Surgeon and Joint Clinical Director at University Hospital Ayr; *Title:* Iris Reconstruction Strategies; 30 December 2015.



**Ms Charlotte**

Volunteer, Project Trust UK;

*Title:* Lessons taught and

lessons learned in India and at LVPEI;

8 April 2015.



**Prof Michael A Webster**

Director, Center for Integrative Neuroscience; *Title:* Neural compensation for the optical aberrations of the eye; 8 January 2016.



**Dr Robert Stamper**

Director of the Glaucoma Clinic,

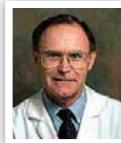
University of California San Francisco:

*Title:* Newer surgical approaches to glaucoma - what looks like wheat, what like chaff?; 19 June 2015.



**Priya B Kakkar**

Senior Public Health Specialist, Public Health Foundation of India; *Title:* Building a case for resilient Health Systems and Universal Health Coverage - Goals, gaps and how to get there; 27 January 2016.



**Prof Paul F Palmberg**

Professor of Ophthalmology, Bascom Palmer Eye Institute; *Title:* Being 'dual-wired' - achievements in the journey of 40 years in Ophthalmology practice & relationship between the level of pressure in the eye and glaucoma; 30 September 2015.



**Dr Nicole Ross**

Practising LVR specialists from NECO and NEE; *Title:* Technology and Low Vision Rehabilitation: Is this the way of the future?; 9 March 2016



**Dr Matt J Dunn**

Deputy Director – Research, Unit for Nystagmus, Cardiff University; *Title:* Visual Perception in Infantile Nystagmus; 21 October 2015.



**Dr Alexis Malkin**

Practising LVR specialists from NECO and NEE; *Title:* Technology and Low Vision Rehabilitation: Is this the way of the future?; 9 March 2016



**Dr Sanjeev Arora**

Director and Founder of Project ECHO; *Title:* Democratizing Medical Knowledge - Improving Healthcare Access to Rural Populations; 22 December 2015.



**Mr Thulasiraj Ravilla**

Executive Director-LAICO and Director-Operations at Aravind Eye Care System; *Title:* Evidence Based Management; 29 March 2016.

## Trainees

*This year the Academy of Eye Care Education hosted 767 trainees from across India and globally; 65 were International trainees from: Tanzania, Kenya, Nepal, Australia, USA, Bangladesh, Indonesia, Vietnam, Nigeria, Ghana, Lebanon, Cameroon, Israel, Philippines and Poland.*

### Dr Edak Ezeanosike's LVPEI Experience



Dr Edak Ezeanosike, Consultant Ophthalmologist, Dept of Ophthalmology, Federal Teaching Hospital, Abakaliki, Ebonyi State, Nigeria is currently undergoing a 15 month (April 2015 - June 2016) fellowship program in Oculoplasty at LVPEI.

"The timing of my fellowship couldn't have been better. Oculoplasty in LVPEI has advanced tremendously in the last few years with newer and better technologies being used now. The doctors are also at the peak of their careers and are making tremendous progress.

Many patients in Nigeria lose vision because of trauma, retinoblastoma, eye tumors, etc., and there is no quality care available. The volume of patients and the type of diseases that I am being exposed to here has improved my knowledge and skills multi-fold.

Before the training is over, all the trainees are expected to attain a certain level of expertise. The faculty constantly pushes you and motivates you to achieve that level and even exceed," says Edak.

Ask her about her family, and you can't help but notice her eyes turning moist. She has five children, elder daughter aged 16, and two sets of twins aged 14 & 10 respectively. "It has not been easy for me to leave my children and come to India. My children are currently at a very crucial stage of their schooling, especially my elder daughter and I am not there with them. But now I feel this fellowship has been worth all the sacrifices that I have made and the extreme hard work and long hours that I am demanded to put in. I couldn't have got a better learning platform than LVPEI," says Edak with a smile.



# Community & Rural Eye Health

## Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care (GPR-ICARE)

GPR ICARE continues to be the connecting link between the community and eye care services across the network, providing affordable care. This year, the GPR ICARE team established two more Secondary Centres (SCs) and eighteen Vision Centres (VCs), thus extending the domains to 133 VCs and 15 SCs spread across Andhra Pradesh, Telangana, Karnataka and Odisha.

At our secondary centres 210,967 patients were examined and surgical care was provided to 23,890 patients. At the primary level, the vision centres screened 204,80 patients. Our community eye care programs screened 484,300 subjects thus making a difference in the lives of several who were otherwise undiagnosed.

The first ever corneal transplant at a rural centre, as part of the Tej Kohli Cornea Institute, was performed at one of our secondary centres, the Edward and Soona Brown Eye Centre at Sattenapalli, Guntur District, AP.

The training component of GPR ICARE continues to train personnel to deliver eye care services across the world. This year, 43 people from across the globe were trained in community eye health.

On the research front, we completed the Andhra Pradesh Eye Disease Study (APEDS-3) and the Rapid Assessment Study on Visual Impairment in two areas (Guntur District, in Andhra Pradesh, and in Tripura). Apart from that, with the support of the Lions Club International Foundation (LCIF), we initiated the Childhood Blindness Prevalence study in Krishna District. Our Public Health Research team was successful in getting grants; this year we received a grant from United States Agency for International Development (USAID) for providing services to children. Along with the support of LCIF, Lavelle Fund for the Blind Inc. and Sun Pharma, this will significantly improve the morbidity and mortality to a population of one million children. Overall, there were nineteen publications and presentations, both national and international.

To the hospitals we mentor, we continued to extend our consultancy services, in collaboration with the Global Sight Initiative (GSI) - project of Seva Foundation, and the TOMS - One for One giving eyesight program is ongoing. Moving ahead, we have signed an agreement with the John F Kennedy Memorial Medical Centre, Liberia for the development of comprehensive and self sustaining eye health services there.

The spectrum of the teams working with us provides a continuum of services and helps in percolating down the core values and processes. In the coming years, we look forward to continuing the collaboration with the communities at large thus making eye care services accessible, affordable and available without compromising on the five core values of LVPEI (Excellence, Equity, Integrity, Togetherness and Patient First).

## Corneal Transplantation Reaches Sattenapalli

LVPEI created history by conducting a Corneal Transplantation surgery - a complex eye surgery - at its secondary eye care centre, the Edward and Soona Brown Eye Centre, at Dhulipalla village in Sattenapalli Mandal, Guntur District, AP on 28 March 2016. This centre is already providing high quality comprehensive eye care services to individuals with diabetic retinopathy, glaucoma and children with eye problems.

## More about the patient who underwent Corneal Transplantation

Shaik Bibi, 65 year old, a mother of four from Tenali came to LVPEI's Secondary Centre in Sattenapalli with diminishing vision in her left eye after a cataract surgery 6 months ago. She was diagnosed with left eye Pseudophakic Bullous Keratopathy. She was further referred to KAR campus, Hyderabad for left eye corneal transplant procedure - Descemet's Stripping Endothelial Keratoplasty (DSEK) Surgery under local anaesthesia. She expressed her difficulty to travel as she was dependant on her children and was living off her meagre pension money. Hence, we decided that if the patient cannot access the benefits of the available facilities for corneal transplantation, the facilities can be brought to her.



# New Secondary Centres

## LVPEI Inaugurates Two More Secondary Centres in Odisha

LVPEI opened its 14<sup>th</sup> & 15<sup>th</sup> Secondary Eye Care Centres (SCs) in Rayagada and Berhampur in Odisha this year. Both the centres were inaugurated by the Hon'ble Chief Minister of Odisha, Shri Naveen Patnaik. Also present was Shri Atanu Sabyasachi Nayak - Hon'ble Minister, Health and Family Welfare and Information & Public Relations, Govt of Odisha. With this, LVPEI now is spread across a network of three secondary centres in the State of Odisha.



**The Nariandas & Morbai Budhrani Eye Centre, Rayagada; 31 August 2015:** The 14<sup>th</sup> Secondary centre is an integral part of the JK Center for Tribal Eye Health and is supported by Nariandas Morbai Budhrani Trust (NMBT). Dignitaries present during the inauguration were Mr Devidas N Budhrani, Founder Trustee, NMBT; Mr H P Singhania, Vice Chairman and Managing Director of JKPL; Shri N Bhaskar Rao, Hon'ble Deputy Chairman, State Planning Board, Government of Odisha; Shri Lalbhai Himirika, Hon'ble Minister, ST & SC Development, Minorities & Backward Classes Welfare Department, Government of Odisha; and Elizabeth Kurian, CEO, Mission for Vision.



**The Arjun Waney Eye Centre, Berhampur; 13 December 2015:** The 15<sup>th</sup> Secondary Centre has been set up in partnership with The Savitri Waney Charitable Foundation and Mission for Vision. Dignitaries present during the inauguration were Mr Arjun Waney, Business Entrepreneur and Founder of The Savitri Waney Charitable Foundation; Ms Elizabeth Kurian, CEO, Mission for Vision; Shri Sidhant Mohapatra, Honorable MP Berhampur; Dr Ramesh Chandra Chyau Patnaik, Honorable MLA Berhampur; and Shri Priyanshu Pradhan, Honorable MLA Chhatrapur.

# New Vision Centres

## #116 Gullapalli Kotamma Vison Centre



Location: Kankipadu, Krishna Dist., AP  
Inaugurated: 13 April 2015  
Supporters: Operation Eyesight Universal has funded the capital expenditure and Dr Gullapalli Venkateswara

Rao and family have contributed towards the operational expenses of the centre.

*Sri Kamineni Srinivasa Rao, Minister for Health and Medical Education, Govt. AP, inaugurated the centre.*

## #118 Nagaram Vision Centre



Location: Nagaram, Guntur Dist., AP  
Inaugurated: 26 June 2015  
Supporters: Latter-day Saint Charities, USA.  
*Dr Isaac Ferguson and Mr Dean Walker, LDS Charities, inaugurated the centre.*

## #120 Srimati and Sri Garikipati Lakshminarsaiah Vision Centre



Location: Chinnapuram, Krishna Dist., AP  
Inaugurated: 25 August 2015  
Supporters: Smt and Sri Garikipati Dontulu Charitable Trust.  
*Dr Garikipati Prasad Rao, Consultant Ophthalmic*

*Surgeon, UK, inaugurated the centre.*

## #122 Parawada Vision Centre



Location: Parawada, Visakhapatnam Dist., AP  
Inaugurated: 29 August 2015  
Supporters: Lavelle Fund for the Blind, USA  
*Sri Bhandaru Sathyanarayana, MLA, Pendurthi Constituency, inaugurated the centre.*

## #117 Kollur Vision Centre



Location: Kollur, Guntur Dist., AP  
Inaugurated: 26 June 2015  
Supporters: Latter-day Saint Charities, USA.  
*Dr Isaac Ferguson and Mr Dean Walker, LDS Charities, inaugurated the centre.*

## #119 Karlapalem Vision Centre



Location: Karlapalem, Guntur Dist., AP  
Inaugurated: 26 June 2015  
Supporters: Latter-day Saint Charities, USA.  
*Dr Isaac Ferguson and Mr Dean Walker, LDS Charities, inaugurated the centre.*

## #121 Atchuthapuram Vision Centre



Location:  
Atchuthapuram,  
Visakhapatnam Dist., AP  
Inaugurated: 29 August 2015  
Supporters: Lavelle Fund for the Blind, USA  
*Sri Panchakarla Ramesh Babu, MLA Atchuthapuram constituency, inaugurated the centre.*

## #123 Jami Vision Centre



Location: Jami, Vizianagaram Dist., AP  
Inaugurated: 30 August 2015  
Supporters: Lavelle Fund for the Blind, USA  
*Sri PLN Raju, Former MLC and Former Secretary MANSAS, inaugurated the centre.*

## #124 Pedana Vision Centre



Location: Pedana, Krishna Dist., AP  
Inaugurated: 10 October 2015  
Supporters: Latter-day Saint Charities, USA has supported the capital expenses of the centre and Dr Y Ashok has provided the rent free premises.

*Sri K Venkat Rao, Member of Legislative Assembly, inaugurated the centre.*

## #125 Denkada Vision Centre



Location: Denkada, Vizianagaram Dist., AP  
Inaugurated: 14 November 2015  
Supporters: The capital funding for the centres is by the Lavelle Fund for the Blind, USA and the operational support is by local community leaders.

*Sri Poosapati Ramabhadra Raju and Sri Ganapathi Govinda Raju, inaugurated the centre.*

## #126 Vallampudi Vision Centre



Location: Vallampudi, Vizianagaram Dist., AP  
Inaugurated: 15 November 2015  
Supporters: Operational support from Lotus Wireless Technologies, Visakhapatnam, including surgeries and spectacles for the poor. Rent-free premises have been provided by the Vallampudi Panchayathi.

## #128 Bollu Sri Hari Rao Vision Centre



Location: Rapur, Nellore Dist., AP  
Inaugurated: 29 January 2016  
Supporters: The capital expenses of these centres are by OneSight Foundation, USA, and the operational expenses by Smt & Sri Bollu Murali Mohan and family.

*Ms Pritika Idnani, Manager, India & South East Asia, OneSight Foundation, USA and Smt & Sri Bollu Murali Mohan and their family members inaugurated the centre.*

## #127 Bollu Rangayya Vision Centre



Location: Gudur, Nellore Dist., AP  
Inaugurated: 29 January 2016  
Supporters: The capital expenses of these centres are by OneSight Foundation, USA, and the operational expenses by Smt & Sri Bollu Murali Mohan and family.

*Ms Pritika Idnani, Manager, India & South East Asia, OneSight Foundation, USA and Smt & Sri Bollu Murali Mohan and their family members inaugurated the centre.*

## #129 Bollu Raghavaiah Vision Centre



Location: Kota, Nellore Dist., AP  
Inaugurated: 30 January 2016  
Supporters: The capital expenses of these centres are by OneSight Foundation, USA, and the operational expenses by Smt & Sri Bollu Murali Mohan and family.

*Ms Pritika Idnani, Manager, India & South East Asia, OneSight Foundation, USA and Smt & Sri Bollu Murali Mohan and their family members inaugurated the centre.*

## #130 Bollu Ramaiah Vision Centre



Location: Naidupeta, Nellore Dist., AP  
Inaugurated: 30 January 2016  
Supporters: The capital expenses of these centres are by OneSight Foundation, USA, and the operational expenses by Smt & Sri Bollu Murali Mohan and family.

*Ms Pritika Idnani, Manager, India & South East Asia, OneSight Foundation, USA and Smt & Sri Bollu Murali Mohan and their family members inaugurated the centre.*

## #131 Kamalapur Vision Centre



Location: Jagatsingpur Dist., Odisha  
Inaugurated: 25 February 2016  
Supporters: Jaga Mohan Memorial Trust, Jagatsingpur

*Professor N K Das, Chairman, Jaga Mohan Memorial Trust, inaugurated the centre.*

## #132 Sujatha Nagar Vision Centre



Location: Sujatha Nagar, Khammam, Telangana

Inaugurated: 1 March 2016

Supporters: Latter-day Saint Charities, USA

*Elder & Sister Newton from LDS Charities, inaugurated the centre.*

## # 133 Chebrolu Vision Centre



Location: Chebrolu, Guntur Dist., AP

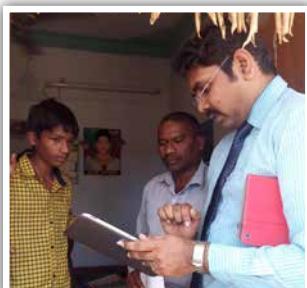
Inaugurated: 2 March 2016

Supporters: Latter-day Saint Charities, USA

*Elder & Sister Newton Newton from LDS Charities, inaugurated the centre.*

## Other Highlights

### EyeSmart Survey in Mahbubnagar District



As part of Doorstep to Boardroom - EyeSmart EMR App study, an EyeSmart SurveyTab field review was done as pilot in a village in Mahbubnagar district in January 2016.

### Survey in collaboration with Govt. of Tripura and IL&FS

A statewide survey, focusing on population aged 40 years and above, in collaboration with Govt. of Tripura and IL&FS (Infrastructure Leasing and Financial Services) has been initiated with the objective of understanding the burden and causes of visual impairment in Tripura.



### TOMS Team's Visit



As part of the ongoing TOMS "One-for-One giving eyesight" program supporting us along with SEVA Foundation in our rural service delivery, a team from TOMS visited the LVPEI Hyderabad campus, the Kuchukulla Ramachandra Reddy secondary centre at Thoodukurthy and the Nagarkurnool Vision Centre. The visiting team comprised Natasha D Agrosa, Giving Account Specialist; Anna O' Connell, Director of Giving Trips; Ruthie Eisenberg, Manager Giving Trips; and Heidi Chase, Director, Seva Foundation.

### First Floor at GPR-ICARE

The foundation stone laying for the first floor at the Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care (GPR-ICARE) was done by Mr Brian Foster, Executive Director, Operation Eyesight Universal, Canada, on 28 September 2015.



## World Sight Day 2015

World Sight Day was commemorated, 1-8 October 2015, across the LVPEI network. Rallies, community and school screening programs, and awareness talks were organized with the support of government officials, local leaders and volunteer groups.



## National Collaborating Centres



**LVPEI - SEVA Foundation Global Sight Initiative:** With the support from SEVA Foundation for the program of Global Sight Initiative, LVPEI is providing capacity building support to nine eye hospitals across India. Under this initiative, LVPEI continues to provide them with technical support and training for their staff. It is also helping the partners to initiate outreach activities, thus helping them in achieving better outputs and financial sustainability.

**Operation Eyesight Universal:** As a global resource centre for Operation Eyesight Universal, LVPEI continues to provide capacity building for OE partner centres.

## Primary Eye Care - Service Delivery

The services at Primary Care Vision Centres are offered entirely free of cost.

A total of 204,180 people were screened of whom 62,910 were prescribed spectacles for refractive errors.

Performance	Screening	Spectacles prescribed*	Spectacles dispensed*	Referred to Service Centre
<b>Rural (130)</b>				
Bhainsa, Kubeer, Nandipet, Navipet, Narsapur, Lokeshwaram & Tannur (7) (*Bhosle Gopal Rao Patel Eye Centre, Mudhole)	19,983	6550	5178	3882
Utnoor, Boath, Jainath, Bela, Naroor, Jainoor, Jannaram, Medarpet, Neradigonda, Gudihathnoor, Echoda & Indervelly (12) (*Seshanna Chennawar Eye Centre, Adilabad)	19,228	7868	6173	2592
Wanaparthly, Achampet, Nagarkurnool, Kothakota, Kollapur, Ghanapuram, Bijnapally, Telkapally, Kalwakurthy, Lingala & Amangal (11) (*Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy)	16,524	4701	2382	3589
Parchuru, Panguluru, Pedanandipadu, Kavuru, Marturu, Ballikuruva, Epurupalem, Chinnaiganjam, Naguluppapadu, Vetapalem & Narasayapalem (11) (*Venkata Lakshmi Eye Centre, Karamchedu)	20,448	6213	5017	2316
Tripuranthakam, Yerragondapalem, Dornala, Cumbum, Bestavaripeta, Giddalur, Podili, Darsi, Kurichedu & Chimakurthi (10) (*Sudhakar & Sreekanth Ravi Eye Centre, Markapuram)	11,105	2553	1172	2165
Tangutur, Kondapi, Lingasamudram, Chandrasekhapuram, Singarayakonda, Pamuru, Ulavapadu, Medarmet, Santhanuthalapadu & Kothapatnam (10) (*Sudhakar & Sreekanth Ravi Eye Centre, Kandukuru)	6505	2261	1274	1180
Nimmanapalle & B Kothakota (2) (*Siloam Eye Centre, Madanapalle)	525	97	65	161
Shrungavarapukota, Chodavaram, Revidi, Gajapathinagaram, Yelamanchili, Kailasapatnam, Govindapuram, Kothavalasa, K Kotapadu, Kasimkota, Araku, Lakkidam <sup>2</sup> , Bhogapuram <sup>3</sup> , Lakkavarapu Kota <sup>4</sup> , Anandapuram <sup>5</sup> , Parawada <sup>12</sup> , Atchuthapuram <sup>13</sup> , Jami <sup>14</sup> , Denkada <sup>16</sup> & Vallampudi <sup>17</sup> (20) (*GMR Varalakshmi campus, Visakhapatnam)	29,627	7145	3853	8666
Kovvali, Kapileswarapuram, Utukuru, Mylavaram, Pedapadu, Lingala, Buttayagudem, Agiripalli, Visannapeta, Movva, Unguturu <sup>1</sup> , Kankipadu <sup>7</sup> , Chinnapuram <sup>11</sup> & Pedana <sup>15</sup> (14) (*Kode Venkatadri Chowdary campus, Vijayawada)	29,632	8744	5267	5955
Yellandu, Kallur, Manuguru, Ashwapuram, Dammapet, Tekulapally, Chandrugonda, Tallada, Cherla & Sujathanagar <sup>23</sup> (10) (*Navabharat Eye Centre, Paloncha)	11,399	3893	1873	2483
Amrutaluru, Bhattiprolu, Kollur <sup>8</sup> , Nagaram <sup>9</sup> , Karlapalem <sup>10</sup> & Chebrolu <sup>24</sup> (6) (*Dr Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli)	6177	2382	1179	1400
Mandasra, Santhabommali, Maliyaputti, Pydibhinavaram, Tekkali, Ranastalam, Ponduru, Kotturu, Narasannapeta & Hiramandalam (10) (*Arogyavaram Eye Hospital & Contact Lens Clinic, Sompeta)	14,194	3025	1827	4574
Banra, Kamalapur <sup>22</sup> (2) (*L V Prasad Eye Institute, Bhubaneswar)	345	150	65	59
Podalakuru <sup>6</sup> , Guduru <sup>18</sup> , Rapur <sup>19</sup> , Kota <sup>20</sup> , Naidupeta <sup>21</sup> (5) (*Swarna Bharat Eye Centre, Nellore)	2253	807	311	453
<b>Urban Centres (3)</b>				
LVPEI VST Screening Centre, Ramnagar; Vision Screening Centre, Kismatpur & LVPEI-Ramakrishna Math Vision Centre, Vivekananda Health Centre (3)	16,235	6521	4623	2057
<b>Total: 133</b>	<b>204,180</b>	<b>62,910</b>	<b>40,259</b>	<b>41,532</b>

\*The affiliate service/tertiary centre

<sup>1</sup>Inaugurated January 2015; <sup>2, 3, 4</sup>Inaugurated February 2015; <sup>5, 6</sup>Inaugurated March, 2015; <sup>7</sup>Inaugurated April 2015;

<sup>8, 9, 10</sup> Inaugurated June 2015; <sup>11, 12, 13, 14</sup> Inaugurated August 2015; <sup>15</sup>Inaugurated October 2015; <sup>16, 17</sup> Inaugurated November 2015;

<sup>18, 19, 20, 21</sup> Inaugurated January 2016; <sup>22</sup> February 2016; <sup>23, 24</sup> Inaugurated March 2016

## Secondary Eye Care – Satellite and Partner Centres

During the year 210,967 people were examined at our Secondary Care Centres.

Rural satellite & partner centres	Paying		Non-paying	
	Outpatients	Surgeries	Outpatients	Surgeries
<b>Satellite Centres</b>				
Bhosle Gopal Rao Patil Eye Centre, Mudhole, Adilabad District, Telangana	18,546	1579	9480	1738
Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy, Mahbubnagar District, Telangana	10,271	558	6902	1461
Venkata Lakshmi Eye Centre, Karamchedu, Prakasam District, AP	5238	279	6899	926
Seshanna Chennawar Eye Centre, National Highway Road, Adilabad, Adilabad District, Telangana	12,062	898	6375	1310
Madanapalle Eye Centre, Madanapalle, Chittoor District, AP	5200	306	2904	556
Swarna Bharat Eye Centre, Venkatachalam, Nellore District, AP	3056	325	8279	1807
Sudhakar & Sreekanth Ravi Eye Centre Markapuram, Prakasam District, AP	4974	330	7013	1331
Sudhakar & Sreekanth Ravi Eye Centre, Kandukuru, Prakasam District, AP	4882	387	6133	1159
Navabharat Eye Centre, Paloncha, Khammam District, Telangana	16,747	1093	7271	1287
Dr Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli, Guntur District, AP	5684	475	7224	981
Y Mahabaleswarappa Memorial Eye Centre, Talur Road, Bellary, Karnataka	3792	203	7650	1579
Edward and Soona Brown Eye Centre, Dhulipalla Village, Sattenapalli, Guntur District, AP	12,953	838	8203	1380
OCL Eye Centre, Ranibandh, Rajgangpur, Odisha	11,960	305	4140	448
Naraindas & Morabai Budhrani Eye Centre, Rayagada, Odisha	2671	52	2481	244
Arjun Waney Eye Centre, Berhampur, Odisha	1618	34	359	21
<b>Total</b>	<b>119,654</b>	<b>7662</b>	<b>91,313</b>	<b>16,228</b>
<b>Partner Centres</b>				
Mullapudi Venkatarayudu Eye Centre Tanuku, West Godavari District, AP	10,609	949	1142	192
Smt Rajeshwari Ramakrishnan Lions Eye Hospital, Nidadavole, West Godavari District, AP	24,554	2454	12,096	3011
St Gregorius Balagram Eye Hospital, Yacharam, Ranga Reddy District, Telangana	6553	256	1278	539
Lions Club of Suryapet Eye Hospital, Suryapet, Nalgonda District, AP	5610	758	13,740	1743
The Rotary Eye Hospital, Proddutur, Kadapa District, AP	7996	2393	5010	1972
Paramahansa Yogananda Netralaya, Vemagiri, Rajahmundry, AP	34,213	3220	17,124	2140
<b>Urban Partner Centres in Hyderabad</b>				
M S Reddy Lions Eye Hospital, Moula Ali, Hyderabad, Telangana	13,471	929	14,418	3153
Kishore Chand Chordia Eye Centre, Begum Bazaar, Hyderabad, Telangana	8166	400	30,586	3323
Y Kishan Rao Balanagar Lions Eye Hospital, Balanagar, Hyderabad, Telangana	16,578	832	40,989	2320
<b>Total</b>	<b>127,750</b>	<b>12,191</b>	<b>136,383</b>	<b>18,393</b>

**Total Outpatients: 475,100**

**Total Surgeries: 54,474**

## Community Eye Care Programs

### Service Delivery: Screening Programs

	*VVC Community Eye Care				
	ICARE VVC Total	GMRV	KVC	HOUSE Cumulative	Total
<b>Survey</b>					
Slums/Villages surveyed	343	154	3	-	500
Houses surveyed	88,031	34,448	2,199	-	124,678
Population covered - survey	331,368	145,421	7,537	-	484,326
Identified with eye ailments	40,142	7,092	311	-	47,545
Known diabetics identified	1,818	363	390	-	2,571
Disability [All categories]	2,248	18	87	-	2,353
Total referred	19,491	7,018	316	-	26,825
<b>Community Screening Programs</b>					
CSPs organized	825	300	-	40	1,165
People screened	45,375	4,675	-	3,493	53,543
Prescribed spectacles	14,219	1,228	-	1,172	16,619
Dispensed Spectacles	2,616	125	-	346	3,087
Continue same spectacles	71	0	-	344	415
Treated for other conditions	5,034	328	-	466	5,828
Identified with cataract	13,165	991	-	449	14,605
Identified with diabetes risk	1,915	386	-	77	2,378
Referred to base hospital	15,569	1,578	-	509	17,656
<b>*School Screening Programs</b>					
SSPs organized	139	115	-	7	261
No of Teachers Trained	143	90	-	4	237
Screening Kit / IEC issued	143	90	-	4	237
Children screened	14,929	19,725	-	1,224	35,878
Identified with eye problem	862	695	-	84	1,641
Prescribed spectacles	747	344	-	61	1,152
Spectacles dispensed	22	69	-	11	102
Treated for other conditions	42	213	-	435	690
Referred to VC	150	235	-	-	385
Referred to base hospital	532	109	-	64	705
Referred to other specialties	-	-	-	-	-
<b>Anganwadi Screening Programs</b>					
ASPs organized	10	22	-	1	33
Children screened	211	396	-	38	645
Identified with eye problem	74	1	-	2	77
Referred to base hospital	28	1	-	2	31

1. \*Village Vision Complex (Each VVC= One secondary centres and ten vision centres)

2. \*Does not include numbers from ongoing research projects

<b>Vision Centre Services</b>					
People examined at centre	4,849	4,538	350	-	9,737
Prescribed	2,198	1,760	141	-	4,099
Dispensed spectacles	709	833	102	-	1,644
Treated for other conditions	575	970	13	-	1,558
Cataract & other surgeries	929	1,437	135	-	2,501
Others - referred	82	76	-	-	158
Diabetes risk	325	274	186	-	785
Referred to secondary centre	1,000	2,405	144	-	3,549
<b>Referral Services at Base hospital</b>					
People treated at centre	10,822	2,845	173	-	13,840
Refractive errors identified	1,408	425	42	-	1,875
Prescribed	1,301	282	44	-	1,627
Purchased spectacles	494	190	30	-	714
Treated for other conditions	1,642	159	41	-	1,842
Advised cataract surgery	6,324	1,933	105	-	8,362
Advised for other surgeries	414	284	4	-	702
Performed cataract surgeries	4,847	1,670	113	-	6,634
Performed other surgeries	146	192	4	-	342
Blind / low-vision identified	128	-	-	-	128
Referred to tertiary care	403	-	-	-	403
Awareness programs conducted	333	13	10	24	367
Participants	11,145	4,625	455	4,183	15,783

\*LVPEI VVC: Twelve secondary satellite centres of LVPEI

\*GMRV: GMR Varalakshmi Campus

\*HOUSE: Hyderabad Urban Slums Eye Care Program

## Operations Research at GPR-ICARE

Project Title	Investigators	Supported by	Project Update
Andhra Pradesh Eye Disease Study III (APEDS III)-Follow Up Study <i>(June 2012 - March 2016)</i>	Dr Rohit Khanna Dr Subhabrata Chakrabarti Dr Srinivas Marmamula Dr P Giridhar Asha Latha Mettla (Project Coordinator) ICEH: Dr Clare Gilbert Dr GVS Murthy	LVPEI/ Lions Clubs International Foundation, USA / Dept. of Bio-technology, Centre of Excellence grant	Completed at Thoodukurthy, Mahbubnagar District; Mudhole, Adilabad District and Nidadavole, West Godavari District.  Subjects examined: 5408
Rapid Assessment of Visual Impairment (RAVI) project in Sattenapally in Guntur district, Andhra Pradesh, India <i>(February 2014 - April 2015)</i>	Dr Srinivas Marmamula	HERF (LVPEI)	Project completed at Sattenapally, Guntur District, Andhra Pradesh Participants enumerated: 3200 Subjects examined: 2597 Participants identified with Visual Impairment: 11.7%
Visual Impairment study in State of Tripura <i>(January 2016 - March 2016)</i>	Dr Srinivas Marmamula	Government of Tripura and HERF (LVPEI); Collaborators: IL&FS Education and Technology Services Ltd, India	Completed in North Eastern state of Tripura. Participants enumerated: 4500 Subjects examined: 4112
Prevalence, causes and risk factors for blindness and low vision in Children in Krishna District of Andhra Pradesh, India <i>(April 2015 – Ongoing)</i>	Dr Rohit Khanna Dr Srinivas Marmamula Prof Jill Keefe Dr Niranjan Pehera Ms Asha Latha Mettla	LVPEI / Lions Clubs International Foundation, USA / Sun Pharma	Project ongoing in Krishna District  Number of Children screened: 28,623

INITIATIVES FOR CHILDREN			
Children Eye Health Initiative in the 30 primary eye care areas of L V Prasad Eye Institute (LVPEI) in the state of Telangana  <i>(April, 2015 to March, 2018)</i>	Dr Rohit Khanna Dr Srinivas Marmamula Ms Asha Latha Mettla	Lavelle Fund, USA / Sun Pharma	Project ongoing in Thoodukurthy, Mahbubnagar District; and Mudhole and Adilabad, Adilabad Districts, Telangana. Number of Children screened: 69,895
Sight for Kids (1 year)	Mr Jachin D Williams	Lions Clubs International Foundation, USA	Schools Covered: 203 Teachers trained: 212 Children screened: 16,153 Spectacles prescribed and dispensed: 200 Referred for treatment: 26
EMPOWERING RURAL COMMUNITIES			
Essilor - LVPEI Mobile Refraction Screening Program  <i>March 2013-Ongoing</i>	Mr Jachin D Williams Mr Vasu Babu	Essilor, India	Screening Programs: 106 People screened: 8645 Spectacles prescribed & dispensed: 1699 Examined at secondary centre: 2164
Community Linked Integrated Project (CLIP)  <i>Jainath: June 2011- May 2015 Project accomplished</i>	Dr Suresh Kuruganti Mr Jachin D Williams	LVPEI/ Technical support: Operation Eye Sight Universal, India	Villages covered: 7 Population screened: 2156 Spectacles Prescribed & dispensed: 374 Operated for cataract & other causes: 61 Vision Health Committees formed: 11
Community Linked Integrated Project (CLIP)  <i>Kapileswarapuram: Feb 2016 (Ongoing)</i>	Dr Suresh Kuruganti Mr Jachin D Williams	LVPEI/ Technical support: Operation Eye Sight Universal, India	Villages covered: 2 Population screened: 2,357 Spectacles Prescribed & dispensed: 10 Operated for cataract & other causes: 2 Vision Health Committees formed: 3
Sunetra Program (Hospital Based Community Eye care Program)  <i>July 2013-Ongoing</i>	Mr Jachin David Williams Mr Franklin Daniel, Operation Eyesight Universal	LVPEI/ Technical support: Operation Eye Sight Universal, India	Ongoing in Gudavalli, Guntur District, Andhra Pradesh and Bellary, Karnataka Villages covered: 34 People screened: 12,577 Eye problems identified: 2879 Examined at CSP, Vision and Secondary centre: 12,067 Spectacles prescribed & dispensed: 2893 Surgeries performed: 1351
Kankipadu Hospital Based Community Eye care Program	Mr Jachin David Williams Mr Franklin Daniel, Operation Eyesight Universal	LVPEI/ Technical support: Operation Eye Sight Universal, India	Population surveyed: 25,177 Screened at Vision Centre: 725 Spectacles prescribed and dispensed: 378 Referred to Secondary Centre: 184 Awareness programs organized: 16
Envision - Every person counts: Revisiting the vision centre model  <i>March 2016 to March 2018</i>	Dr Srinivas Marmamula Mr Uday Kumar Addepalli Mr Rajashekhar Varda GPR ICARE Team	LVPEI/ Technical support: Operation Eye Sight Universal, India	Ongoing at four Vision Centres at Narsapur, Peddakothapally, Neradigonda and and Narsayapalem.

# Srujana Centre for Innovation

Set up in 2013, the Srujana Centre for Innovation at LVPEI focuses on developing innovative products using cutting edge technology that is simpler, more accessible and affordable.

2015-2016 was indeed a very productive and eventful year for the Srujana Centre. Having moved into the brand new premises at the Kallam Anji Reddy Campus, the centre is now equipped with a diverse and dynamic team of engineers, designers and clinicians, along with a world class design studio for in-house rapid prototyping. 3 prototypes developed by the team are in the process of completion and patents have been filed for two very innovative and extremely useful products - Pediatric Perimeter and Bulls Eye Drops. The Pediatric Perimeter - a novel device to check the visual field of babies was chosen as the winner of the BioAsia Innovation Award.

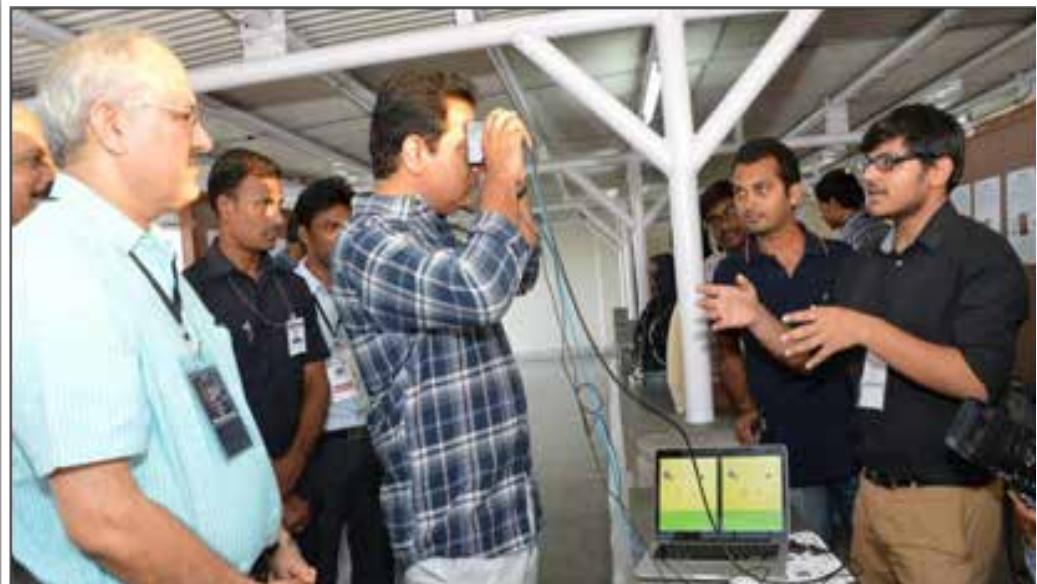
Two posters showcasing the work being done at the centre have been selected to be presented at the Annual Meeting of the Association of Research in Vision and Ophthalmology (ARVO) 2016. In addition to this a paper highlighting the future of datasets in vision was selected for presentation at the Annual Conference on Computer Vision and Pattern Recognition 2015 at Boston.

The centre hosted close to 25 student interns this year, mentored 6 final year thesis projects and most of the students have decided to stay on and continue their projects.

## Highlights

### ReDx: Engineering the Eye Workshop

LVPEI, in collaboration with members of Camera Culture group, MIT Media Lab, conducted the 3<sup>rd</sup> edition of 'ReDx: Engineering the Eye Workshop' as part of the Design Innovation Series from LVPEI's Innovation Centre - Srujana, 5-11 July 2015. Sri K T Rama Rao, Honourable Minister for Panchayat Raj & IT, Telangana State, was the chief guest at the inaugural event.



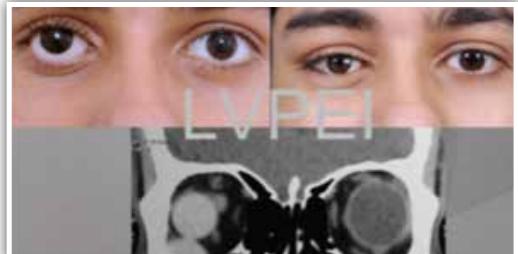
About 100 Engineering and Design students and professionals from all across India participated in the REDx workshop. Participants worked on 12 projects comprising prototyping hardware and software for the next generation of Eye Care devices, all borne out of ideas from clinicians during their day-to-day practice at LVPEI; of which 4 prototypes have been selected to be developed further.



Hon'ble Chief Minister of AP, Shri Chandrababu Naidu visits the new set up of the innovation centre at KAR Campus, Hyderabad; 23 March 2016.

## Use of 3D Printing in Surgical Planning

For the first time in LVPEI 3D printing was used to generate a secondary orbital implant for a patient who had a prosthetic eye that was not setting properly. Using the patient's CT scan, the engineering team was able to extract the orbital section of the skull and 3D print it on an industrial grade printer. This gave an exact replica of the skull section which the Oculoplasty team could use to fabricate a highly customized implant. This was inserted into the patient's skull in a single surgery which gave the desired results.



## Filed Two Patents

Patents have been filed for the following two innovative products:-



**Pediatric perimeter:**  
An apparatus and a method therewith to quantify visual patterns in infants



**Bulls eye drops:**  
Device to self-instill eye drops with precision

## New Prototypes Developed



**Pupil+:** An innovative solution to the ubiquitous pupillary examination which is carried out daily during patient examination



**Julia (Folding phoropter):**  
An extremely low-cost device for rapidly estimating refractive error in low-resource settings.



**Owl:** An ultra low-cost retinal imaging tool which uses machine learning algorithms to detect and quantify the presence of diabetic retinopathy.



Fruitful interactions took place between the innovation team and a delegation of 3 students from MIT, USA; 17 March 2016



The Srujana team showcased its work at the HYSEA Design Summit; 31 March 2016.



The Srujana team was invited as mentors at the Diabetes Hackathon organized by CAMTech (Consortium for Affordable Medical Technologies), MA, USA at the Indian School of Business, Hyderabad; 10 October 2015



As part of their internship at the centre, Devesh Jain and Pushyami Rachapudi, will spend 6 months at Camera Culture group, MIT Media Lab in Boston.

## Student Speak



### Dhruvil Soni

From the perspective of a product designer, this is a dream come true. I enjoy ideating with the team and it's very satisfying to know the impact our work is going to have.



### Tejaswi Kasarla

I am really learning at a rapid pace at Srujana. After the ReDx workshop I didn't think the energy and enthusiasm would sustain, but it did!

# Eye Research

Professor Brien Holden Eye Research Centre

## The various components of the centre are:

- Champalimaud Translational Centre for Eye Research
- Kallam Anji Reddy Molecular Genetics Laboratory
- Sudhakar and Sreekanth Ravi Stem Cell Biology Laboratory
- Jhaveri Microbiology Centre & Saroja A Rao Immunology Laboratory
- Biochemistry Laboratory
- Ophthalmic Pathology Laboratory
- Clinical Research
- Vision Psychophysics Laboratories
- Allen Foster Community Eye Health Research Centre
- Srujana Innovation Centre

Almost 28 years ago, research at LVPEI started with major support from Professor Brien Holden of the University of New South Wales, Sydney, Australia, to the Hyderabad Eye Research Foundation (HERF), which is the research arm of this Institute. The Brien Holden Eye Research Centre or BHERC has now bloomed into six arms - namely basic research (including genomics, proteomics, biochemistry, cell and stem cell biology, microbiology), translational research (stem cell therapy, clinical research and trials), vision physics (vision psychophysics, adaptive optics and instrumentation), low vision research (devices, vision enhancement methods, quality of life analysis), public health research and technology and innovation (with a dedicated Innovation Centre called Srujana). Research at HERF is conducted by 20 basic researchers in collaboration with over 40 clinical colleagues, and is spread over the centres at Hyderabad, Bhubaneswar, Visakhapatnam and Vijayawada.

## Developments During the Year

The Professor Brien Holden Eye Research Centre, and indeed the entire L V Prasad Eye Institute family deeply mourn the loss of Professor Brien Holden, who has been the very sheet anchor of our research centre since the very beginning.

The year 2015-16 was an eventful one, with a variety of new initiatives and developments in research and innovations. As the Institute completed and occupied the artistically captivating and spatially accommodating new Clinical Centre named the Velamati Soubhagyathamma building next door, research space in the 'old' building (the Gullapalli Pratibha Rao Building) in the KAR campus at Hyderabad has doubled. A brand new stem cell facility, consisting of a cGMP facility and a cGLP laboratory, is fast coming up on the second floor, while the innovation laboratory called 'Srujana' has been accommodated in the first floor of this building. We are also deeply beholden to Mr Tej Kohli, a philanthropist-businessman from the UK, who has helped us vastly expand our activities in our Centre for Ocular Regeneration (CORE), and we have located the Tej Kohli Cornea Institute in the Velamati Building. Likewise, we have inaugurated the "Operation Eyesight Universal Institute for Eye Cancer" on its third floor.

The year 2015-16 has been notable for several other initiatives. This year, we filed a patent for a device (pediatric perimeter) which was fully conceived, developed and tried out successfully on infants. Dr Premnandhini Satgunam, who was the brain behind this invention, received the BioAsia Innovation Award from Dr Ada Yonath, the Nobel Prize winner in Chemistry in 2009. Secondly, we have been able to bag yet another joint Indo-British grant. This one is from the Medical Research Council (MRC) of UK, and DBT of India titled: "UK-India Centre for Advanced Technology for Minimizing the Indiscriminate Use of Antibiotics (UKICAT-MA)". Thirdly, Dr Aparna Rao of our Bhubaneswar campus has been awarded the Wellcome Trust - DBT India Alliance Intermediate Fellowship. This is the second such Fellowship, the earlier one being an Early Career Fellowship awarded to Dr Srinivas Marmamula. The fourth noteworthy bit of happy news is the award of the BM Birla Prize in biological sciences to Dr Indumathi Mariappan. And the research grants being awarded to our clinical researchers have been steadily increasing; this year Dr Jay Chhablani, our young retina specialist, has been awarded the Young Investigator Research Grant from the Science & Engineering Research Board of India.

The year also had a set of exciting symposia, seminars and workshops. Prominent among these are the following. The Wellcome Trust/DBT India Alliance hosted its Annual Meeting, 5-6 November 2015, at Novotel, Hyderabad. Participants included the Trust's funded scientists (Fellows), eminent Indian and International scientists from University of Oxford, London School of Hygiene and Tropical Medicine, University of Oxford, University of California, USA, University of North Texas

Health Science Center, USA, Johns Hopkins University, USA, University of Leeds, University of Dundee, UK and Institute of Molecular, Cell Biology, Portugal, University College of London, National Institute of Medical Research, UK and MRC National Institute of Medical Research, UK. Prof D Balasubramanian, LVPEI, Hyderabad, as a Trustee of the India Alliance, in his speech, encouraged the scientists to talk about their science to the public.

The next one was an internal pan-campus get-together of all clinicians and research scientists, called CROSSTALK. As is well known, all research in LVPEI is translational in nature, involving clinicians and scientists as partners, and on problems that the clinician encounters with patients. In an effort to make this cross-talk more productive, we organized a two day get together termed CROSSTALK 2015. This was a summit, held on 19-20 December 2015. LVPEI's clinical faculty and scientists from across all the four campuses gathered at the Atrium of the Velamati Soubhayavathamma building at the Hyderabad campus to discuss their work, experience and aspirations for the future. This led to some sharp and focused research collaborations, involving sharing of resources and talents.

Next was the 9<sup>th</sup> Annual Champalimaud Symposium that was held at LVPEI on Sunday, 31 January 2016. This year's Champalimaud Lecturer was Professor Sir Peng Khaw of University College London, School of Ophthalmology, Moorsfield Hospital, a well known glaucoma clinician-researcher, and he spoke on 'From Repair to Regeneration: Translational Research Changes Lives'. In addition, we had invited lectures by Professor V Nagaraja, President, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore on 'Our strategies to counter resurgent TB', and Professor Sushmita Kaushik of the Postgraduate Institute of Medical Education & Research, Chandigarh on 'Childhood Glaucoma: Challenges and Hopes'. Short update presentations were also made by scientists and clinicians of LVPEI. The President of the Champalimaud Foundation, Lisbon, Portugal, Dr Leonor Beleza and the Foundation Board member Mr Joao Botelho were also present at the symposium.

A Seminar entitled 'The Brain and the Eye', jointly sponsored by the German Academy of Sciences Leopoldina, and the Indian National Science Academy, was held on 1-2 February 2016. Eleven experts from Europe and 12 from India participated in the seminar and presented their research work. The seminar was both stimulating and provided the opportunity for potential collaborations between India and Europe in the broad area of neurosciences.

A two day workshop, on the theme of 'Polymeric Materials in Ocular Drug Delivery', sponsored by DBT India and the Medical Research Council (MRC), UK, was held during 14-15 March 2016. This was based on the bilateral grant that has been offered to Dr Prashant Garg of LVPEI and Prof Stephen Rimmer of Sheffield University, UK, on developing polymeric materials with appropriate tags that can be applied to the cornea to rapidly report on the type of pathogens causing infective keratitis. Six experts from the UK and over 12 from India participated in the workshop.

## Champalimaud Translational Centre

The Champalimaud Translational Centre for Eye Research was set up at LVPEI in January 2008. The Champalimaud Foundation, based in Lisbon, Portugal, was set up on the bequest of the late Portuguese entrepreneur and philanthropist, António de Sommer Champalimaud. The Foundation has a long-term commitment to support medical research, in particular neurology, oncology and the vision sciences. The Champalimaud Foundation and L V Prasad Eye Institute have agreed on the development of a vast program for translational research, through the establishment of the Champalimaud Translational Centre for Eye Research or C-TRACER. While the first phase of the grant ended in 2013, we have been able to obtain support for the second phase for the 5-year term ending in 2019.

**Research at C-TRACER-Phase 2 focuses on the following areas:**

- Stem cell biology and therapy in the retina
- Research and therapy in eye cancers and retinopathy of prematurity
- Translational research utilizing existing and novel clinical methodologies for furthering the knowledge of vision in ways that can be readily applied to patients
- Exchange programs involving scientists and clinicians chosen by LVPEI and the Champalimaud Foundation
- Introduction of capacity building programs for developing Lusophone countries such as Mozambique, Angola, Timor and others
- The organization of the Antonio Champalimaud Symposium on the last Sunday of January/first Sunday of February every year where leaders in ophthalmology from across the world, as well as distinguished scientists from India, are invited to lecture.

## Ninth Annual Antonio Champalimaud Symposium



The Ninth Annual Antonio Champalimaud Research Symposium was held on 31 January 2016. Prof Sir Peng Khaw, Consultant Ophthalmic Surgeon at Moorfields Eye Hospital in London, a world-renowned specialist in glaucoma, delivered the 9<sup>th</sup> Annual Champalimaud lecture: 'From Repair to Regeneration - Translational

Research Changes Lives.' There were invited talks by Prof V Nagaraja, Bengaluru; Prof Bruno Rossion, Louvain-La-Neuve, Belgium; Prof Rainer Goebel, Maastricht, Netherlands; Prof Sushmita Kaushik, Chandigarh; and presentations by the LVPEI research group. Dr Leonor Beleza, President, Champalimaud Foundation, Lisbon, Portugal handed over the plaque to Professor Sir Peng Khaw.



## Other Developments

### Joint Academy Seminar on the 'Brain and the Eye'



'The Brain and the Eye' seminar jointly organized by the German Academy of Sciences Leopoldina and Indian National Science Academy, New Delhi, was hosted by LVPEI, Hyderabad, 1-2 February 2016. The two-day seminar had presentations by 11 scientists from Europe (Germany, Belgium, Netherlands, Hungary, UK) and 12 from India (Kolkata, Pune, Bengaluru, Manesar, Mumbai, Kanpur and Hyderabad) on topics such as visual perception and action; visual restoration; brain development and plasticity; and brain development and clinical aspects. Active discussions were also held.

# Hyderabad Eye Research Foundation

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**Dr Kalpana Kannabiran**

Social Scientist

Professor and Director Council for Social Development

(An ICSSR Research Institute), Hyderabad

# Research Projects

## Kallam Anji Reddy Molecular Genetics Laboratory

- **Genomics of progression in age-related eye diseases: The Andhra Pradesh Eye Disease Study -III**  
**Investigators:** Subhabrata Chakrabarti, Rohit Khanna, Chandan S Appikonda, Ratnakar Tripathi, Srinivas Marmamula, Ashalatha, Seema Banerjee, Inderjeet Kaur, Gullapalli N Rao  
**Support:** Department of Biotechnology, India (Centre of Excellence grant)
- **Identification of new genes in primary congenital glaucoma by exome sequencing**  
**Investigators:** Subhabrata Chakrabarti, Meha Kabra, Anil K Mandal, Sirisha Senthil, Inderjeet Kaur, Michael Hauser, Rand Allingham  
**Support:** Indo-Australia Biotechnology Fund, Department of Biotechnology, India; National Eye Institute, NIH, USA
- **Functional genomics of primary open angle glaucoma**  
**Investigators:** Subhabrata Chakrabarti, Meha Kabra, Chandan S Appikonda, Anil K Mandal, Sirisha Senthil, Harsha BL Rao, Garudadri Chandra Sekhar, Muralidhara Ramappa, Virender S Sangwan, Rohit C Khanna, Inderjeet Kaur  
**Support:** Department of Biotechnology, India
- **Functional genomics of rare eye diseases**  
**Investigators:** Subhabrata Chakrabarti, Inderjeet Kaur, Muralidhar Ramappa, Sunita Chaurasia, Anil K Mandal, Sirisha Senthil  
**Support:** Hyderabad Eye Research Foundation
- **Genetic and phenotypic comparison of primary congenital glaucoma in India and Brazil**  
**Investigators:** Subhabrata Chakrabarti, Anil K Mandal, Meha Kabra, Sirisha Senthil, Inderjeet Kaur, Ivan M Tavares<sup>1</sup>, Jose P C Vasconcellos<sup>2</sup>, Monica Mello<sup>2</sup>  
**Support:** Department of Science and Technology, India (Indo-Brazil collaborative program)
- **Central India Eye and Medical Diseases Study**  
**Investigators:** Subhabrata Chakrabarti, Jonas Jost<sup>3</sup>, Vinay Nangia<sup>4</sup>, Kollu N Rao, Meha Kabra, Inderjeet Kaur  
**Support:** University of Heidelberg, Germany
- **Genetic comparison of primary congenital glaucoma in India and Tunisia – understanding the possible founder effects**  
**Investigators:** Subhabrata Chakrabarti, Anil K Mandal, Meha Kabra, Inderjeet Kaur, Guemira Fethi<sup>5</sup>, E A Mhd Ali<sup>6</sup>, Douik Hayet<sup>6</sup>, G Abderraouf<sup>7</sup>, Harzallah Latifa<sup>7</sup>, Jihene Bouassida<sup>7</sup>  
**Support:** Department of Science and Technology, India (Indo-Tunisia collaborative program)
- **Genomics and proteomics of meibomian gland dysfunction**  
**Investigators:** Subhabrata Chakrabarti, Ling Lee, Pravin Krishna Vadavalli, Qian Garrett, Eric Papas  
**Support:** Brien Holden Vision Institute, Sydney

<sup>1</sup>Vision Institute, Federal University of Sao Paolo, Brazil • <sup>2</sup> Campinas State University, Sao Paolo, Brazil • <sup>3</sup> University of Heidelberg, Manheim, Germany • <sup>4</sup> Suraj Eye Institute, Nagpur • <sup>5</sup> Institut Salah Azaiz, Tunis, Tunisia • <sup>6</sup> Service d'Ophtalmologie, Habib Thameur Hospital, Tunis, Tunisia • <sup>7</sup> Service de Biologie Clinique, Institut Salah Azaiz, Tunis, Tunisia

- **Identification of biomarkers for risk prediction and disease progression in Retinopathy of prematurity (ROP)a potentially blinding neonatal disorder**  
**Investigators:** Inderjeet Kaur, Sonika Rathi, Subhadra Jalali, T Ramakrishna Murthy<sup>2</sup>, Ramesha Kekunaya, Sonika Rathi, Shahana, Hameed, Subhabrata Chakrabarti, Ch Mohan Rao<sup>2</sup>  
**Support:** Department of Biotechnology, India
- **Identification of genomic regions for the detection and prediction of high risk tumors in uveal melanoma**  
**Investigators:** Inderjeet Kaur, Debodipta Das<sup>1</sup>, Swathi Kaliki, Mhd Javed Ali, Subhabrata Chakrabarti, Partha P Majumder<sup>1</sup>  
**Support:** National Institute of Biomedical Genomics, Kalyani, India
- **Genomics of familial exudative vitreoretinopathy**  
**Investigators:** Inderjeet Kaur, Ganeswar Rao Musada, Hameed, Subhadra Jalali, Anupama Reddy, Pramod Reddy, Subhabrata Chakrabarti  
**Support:** Department of Biotechnology, India
- **Identification of biomarkers in diabetic retinopathy**  
**Investigators:** Inderjeet Kaur, Syed Hameed, S Sahana, Sushma, Jay Chhablani, Annie Mathai, Rajeev R Pappuru, Mudit Tyagi, Partha P Majumder, Subhabrata Chakrabarti  
**Support:** Department of Biotechnology, India

<sup>1</sup>National Institute of Biomedical Genomics, Kalyani, West Bengal • <sup>2</sup> University of New South Wales, Sydney, Australia • <sup>3</sup> Centre for Cellular and Molecular Biology, Hyderabad, <sup>4</sup>Fernandez Hospital, Hyderabad

## Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory

- **Use of silk from north-east India for the culture and transplantation of corneal endothelial cells**  
**Investigators:** Charanya Ramachandran, Biman Mandal  
**Support:** Hyderabad Eye Research Foundation
- **Generating corneal endothelium from trabecular meshwork stem cells**  
**Investigators:** Charanya Ramachandran, Siddharth Dikshit  
**Support:** Department of Science and Technology
- **Culture and characterization of corneal endothelium derived from infant donor tissues**  
**Investigators:** Charanya Ramachandran, Sunita Chaurasia  
**Support:** Hyderabad Eye Research Foundation
- **Regenerative prostheses as alternative to donor corneas for transplantation to treat blindness**  
**Investigators:** Virender S Sangwan, May Griffith<sup>1</sup>, Dorairajan Balasubramanian, Sayan Basu, Indumathi Mariappan, Per Fagerholm<sup>2</sup>, Jaywant Phopase<sup>1</sup>, Urban Höglund, Jagrat "Lal" Dave<sup>3</sup>.  
**Support:** DBT-Indo-Swedish grant
- **Exploring the application of pluripotent and adult stem cells in the treatment of retinal and corneal disorders**  
**Investigators:** Indumathi Mariappan, Subhadra Jalali, Virender S Sangwan, Dorairajan Balasubramanian.  
**Support:** DBT-CoE
- **Proof-of-concept experimentation on gene correction in patient-specific induced pluripotent stem cells by genome editing approach.**  
**Investigators:** Indumathi Mariappan, Chitra Kannabiran, Dorairajan Balasubramanian.  
**Support:** DST-SERB
- **Creating zebra fish models of retinal dystrophy using genome editing methods**  
**Investigators:** Indumathi Mariappan, Rakesh Kumar Mishra<sup>4</sup>  
**Support:** DBT
- **Generating corneal endothelium from the trabecular meshwork stem cells**  
**Investigators:** Charanya Ramachandran, D Balasubramanian, Virender S Sangwan  
**Support:** Department of Science and Technology, India
- **Optimum concentration of mitomycin C to prevent fibrosis in Dacryocystorhinostomy**  
**Investigators:** Charanya Ramachandran, Javed Ali, Vinay Kumar  
**Support:** Hyderabad Eye Research Foundation
- **Use of silk from north-east India for the culture and transplantation of corneal endothelium**  
**Investigators:** Charanya Ramachandran, Biman Mandal<sup>5</sup>  
**Support:** Hyderabad Eye Research Foundation

- **Role of myofibroblast/stem cells in corneal wound healing responses:** Identifying and characterizing growth factor-receptor systems and herbal/stem cells treatments during development, homeostasis, and corneal wound healing  
Investigators: Vivek Singh, Abhinav Reddy Kethiri, Meda Chandana Lakshmi Teja, Virender Sangwan  
Support: DST-SERB, India
- **The alteration of immunological/adhesion properties of in vitro limbal explant culture: Implication on survival of limbal explant in patients with LSCD**  
Investigators: Abhinav Reddy Kethiri, Vivek Singh, Virender Sangwan  
Support: Hyderabad Eye Research Foundation
- **Targeted specific immunological and stemness pathways of the human limbus from the cadaveric corneas vs. fresh limbal biopsies vs. cultured limbal explants**  
Investigators: Meda Chandana Lakshmi Teja , Vivek Singh, Sachin Shukla, Sayan Basu, Virender Sangwan  
Support: Hyderabad Eye Research Foundation
- **The Biology of Simple limbal epithelial transplantation (SLET), a technique of in-vivo expansion of limbal stem cell for treatment of Limbal stem cell deficiency (LSCD)**  
Investigators: Vivek Singh, Gopal Pande<sup>4</sup>, Sayan Basu, Virender Sangwan  
Support: Hyderabad Eye Research Foundation
- **Autologous Ex-vivo Cultivated Limbal Stem Cell Transplantation for Treatment of Superficial Corneal Stromal Scars: A Pilot Study.**  
Investigators: Sayan Basu, Vivek Singh, Virender Sangwan  
Support: Hyderabad Eye Research Foundation
- **Use of lenticule caps in cross linking of thin corneas: A Pilot Study**  
Investigators: Pravin Krishna, C Jagdeesh Reddy, Vivek Singh, Shreyas Ramamurthy  
Support: Hyderabad Eye Research Foundation
- **Mesenchymal Stem Cells for Limbal Stem Cell Deficiency and Vernal Keratoconjunctivitis: Identifying the mechanism of homing and immunomodulation of mesenchymal stem cells from corneal stroma, dental pulp, hair follicle, and umbilical cord**  
Investigators: Sachin Shukla, Virender Sangwan  
Support: Department of Science & Technology, (DST-NSPIRE) India

• <sup>1</sup> Linköping University, Sweden • <sup>2</sup> Adlego Biomedical, Sweden • <sup>3</sup> Polymer Technologies International (PTI), Gujarat • <sup>4</sup> Centre for Cellular and Molecular Biology (CCMB ), Hyderabad • <sup>5</sup> Indian Institute of Technology, Guwahati.

## Biochemistry Laboratory

- **Analysis of the molecular properties of mutant human  $\alpha$ -crystallins associated with congenital cataract**  
Investigators: D Balasubramanian, Venkata Pullarao Vendra, <sup>1</sup>Garima Agarwal, <sup>1</sup>Narayanaswamy Srinivasan, Sushil Chandani<sup>2</sup>, VenuTalla<sup>3</sup>  
Support: Department of Biotechnology, India
- **Structural integrity of the greek key supersecondary topology in the  $\alpha$ -crystallins is vital for central lens transparency.**  
Investigators: Venkata Pulla Rao Vendra, Garima Agarwal<sup>1</sup>, Sushil Chandani<sup>2</sup>, Venu Talla<sup>3</sup>, Narayanaswamy Srinivasan<sup>1</sup> and Dorairajan Balasubramanian

<sup>1</sup>Indian Institute of Science, Bangalore, <sup>2</sup>Novarus Discoveries, Hyderabad, India, <sup>3</sup>Bascom Palmer Eye Institute, Miami, FL, USA

## Jhaveri Microbiology Centre, LVPEI-KAR Campus, Hyderabad

- **Virulens Factors, and pathogenesis of *Candida* species isolated from eye infections**  
Investigators: Joveeta Joseph, Bhavani Sontam, Savitri Sharma,  
Support: Hyderabad Eye Research Foundation
- **Ocular *Candida albicans*: overcoming antibiotic resistance by identification of genes involved in biofilm formation and antagonizing biofilm formation**  
Investigators: Shivaji S, Savitri Sharma, Joveeta Joseph, Ranjit Konduri, Kalyana Chakravarthy Sama  
Support: Department of Science and Technoogy, Govt. of India
- **Evaluation of the clinical impact of molecular diagnosis of infective endophthalmitis**  
Investigators: Joveeta Joseph, Savitri Sharma, G Sai Jeevana Madhuri  
Support: Hyderabad Eye Research Foundation
- **Species-specific antifungal susceptibility of *Fusarium* and its correlation with treatment outcome in patients with keratitis**  
Investigators: Savitri Sharma, G Sai Jeevana Madhuri, Ranjit Konduri

\* <sup>1</sup>BITS, Hyderabad from India; <sup>2</sup>University of Bradford, UK <sup>3</sup>University of Sheffield, UK

## Visual Optics and Psychophysics Laboratory

- **Image quality following LASER refractive surgery**  
Investigators: Samrat Sarkar, Pravin Krishna Vaddavalli, Shrikant Bharadwaj  
Support: Cognitive Science Research Initiative (CSRI), Dept of Science and Technology, Govt of India.
- **Corneal transplantation in disease affecting only one – does it impact binocular visual performance?**  
Investigators: Praveen Bandela, PremNandhini Satgunam, Prashant Garg, Shrikant Bharadwaj  
Support: Cognitive Science Research Initiative (CSRI), Dept of Science and Technology, Govt of India.
- **Spatial and depth vision in eyes with keratoconus?**  
Investigators: Vinay Kumar Nilagiri, Parthasarathi Kalaiselvan,

- **The Biology of Simple limbal epithelial transplantation (SLET), a technique of in-vivo expansion of limbal stem cell for treatment of Limbal stem cell deficiency (LSCD)**  
Investigators: Vivek Singh, Gopal Pande<sup>4</sup>, Sayan Basu, Virender Sangwan  
Support: Hyderabad Eye Research Foundation
- **Optical Quality and Visual Performance after Relex SMILE, LASIK or PRK Refractive Surgery Procedures for Myopia**  
Investigators: Samrat Sarkar, Pravin Krishna Vaddavalli, Jagadeesh Reddy, Shrikant Bharadwaj  
Support: Zeiss Meditech
- **Depth of focus with uncorrected astigmatism**  
Investigators: Veerendranath Pesala, Sally Wong, Shrikant Bharadwaj  
Support: Extramural grant on astigmatism, Dept of Science and Technology, Govt of India.

- Accuracy and repeatability of prism-based calibration of eye position in 1<sup>st</sup> Purkinje Image eye trackers  
Investigators: Swaathi Balaji, Shrikant Bharadwaj  
Support: Hyderabad Eye Research Foundation

- Calibration of the infrared photorefractor  
Investigators: Vinay Kumar Nilagiri, Shrikant Bharadwaj  
Support: Hyderabad Eye Research Foundation

\* <sup>1</sup>University of California, Berkeley, School of Optometry

## Institute of Translational Research, Engineering and Advancement of Technology

- Finite element modeling of the cornea and penetrating keratoplasty  
Investigators: Ashutosh Richhariya, Geunyoung Yoon<sup>1</sup>, R Peruchhio<sup>2</sup>  
Support: Hyderabad Eye Research Foundation
- Automated algorithm for blood vessel count and area measurement in 2-D choroidal scan images  
Investigators: Ashutosh Richhariya, Sumohana Chanappaya<sup>3</sup>, Jay Chhablani  
Support: Hyderabad Eye Research Foundation

- Infra-red Imaging System for Dry Eye and Ocular Surface examination  
Investigators: Ashutosh Richhariya, Sumohana Chanappaya<sup>3</sup>, Siva Vanjari , Mukesh Taneja  
Support: Hyderabad Eye Research Foundation
- Three dimensional imaging and reconstruction of facial and orbital region  
Investigators: Ashutosh Richhariya , Soumya Jana<sup>3</sup> , Milind Naik  
Support: Hyderabad Eye Research Foundation

\* <sup>1</sup>Center for Visual Science, The University of Rochester; <sup>2</sup>Dept of Mechanical Engineering, The University of Rochester; <sup>3</sup>Dept of Electrical and Electronics, IIT-Hyderabad

## Ophthalmic Biophysics Laboratory

- Restoring Accommodation/Accommodating Gel Project  
Investigators: Virender S Sangwan, Mukesh Taneja, Pravin K Vaddavalli, Ashik Mohamed, Veerendranath Pesala, Arthur Ho<sup>1</sup>, Jason Watling<sup>1</sup>, Jean-Marie Parel<sup>2</sup>  
Support: Vision Cooperative Research Centre, Sydney, Australia
- Fiber Cell Junctions in Normal and Cataractous Lenses  
Investigators: Ashik Mohamed, D Balasubramanian, Kurt O Gilliland<sup>3</sup>, Sönke Johnsen<sup>4</sup>, Marc Kantorow<sup>5</sup>, M Joseph Costello<sup>3</sup>  
Support: National Institutes of Health (NIH)/ National Eye Institute
- The effect of age on human natural lens growth and biometry  
Investigators: Ashik Mohamed, Virender S Sangwan, Robert C Augusteyn<sup>1</sup>  
Support: Hyderabad Eye Research Foundation

- Optics of the Growing Crystalline Lens  
Investigators: Virender S Sangwan, Mukesh Taneja, Ashik Mohamed, Marco Ruggeri<sup>2</sup>, Arthur Ho, Jean-Marie Parel, Fabrice Manns<sup>6</sup>  
Support: NIH/ National Eye Institute
- Quantifying crystalline and intraocular lens optics  
Investigators: Virender S Sangwan, Mukesh Taneja, Ashik Mohamed, Susana Marcos<sup>7</sup>  
Support: Consejo Superior de Investigaciones Científicas (CSIC), Spain
- Corneal endothelium in Xeroderma pigmentosum: specular microscopy study  
Investigators: Ashik Mohamed, Rajini Peguda, Muralidhar Ramappa, Mohammad Javed Ali, Sunita Chaurasia  
Support: Hyderabad Eye Research Foundation

\* <sup>1</sup>Vision Cooperative Research Centre, Brien Holden Vision Institute, Sydney, Australia; <sup>2</sup>Ophthalmic Biophysics Centre, Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, Miami, Florida, USA; <sup>3</sup>Department of Cell Biology and Physiology, University of North Carolina, Chapel Hill, North Carolina, USA; <sup>4</sup>Biology Department, Duke University, Durham, North Carolina, USA; <sup>5</sup>Department of Biomedical Science, Florida Atlantic University, Boca Raton, Florida, USA; <sup>6</sup>Department of Biomedical Engineering, University of Miami College of Engineering, Coral Gables, Florida USA; <sup>7</sup>Visual Optics and Biophotonics Lab, Institute of Optics, Consejo Superior de Investigaciones Científicas (CSIC), Madrid, Spain.

## Vision Rehabilitation Laboratory

- Evaluation of image enhancement as a vision rehabilitation tool  
Investigators: PremNandhini Satgunam, Rebecca Sumalini  
Support: Hyderabad Eye Research Foundation, DST-Fast Track grant
- Validation of mechanized tangent screen kinetic perimeter for mapping visual fields  
Investigators: PremNandhini Satgunam, Ashutosh Richhariya, Sourav Datta  
Support: Hyderabad Eye Research Foundation
- Development of Pediatric Perimeter  
Investigators: PremNandhini Satgunam, Sourav Datta, Dhruv Joshi, Karthik Reddy  
Support: Srujana Innovation Center, Hyderabad Eye Research Foundation

- Development of Hindi optotype charts  
Investigators: Lea Hyvarinen (Finland), PremNandhini Satgunam, L Srinivasa Varadharajan, Sourav Datta, Sankara Nethralaya (collaborators: Krishna Kumar Ramani, Deepmala Mazumdar, Anuradha Sriram)  
Support: Good-Lite Co., Hyderabad Eye Research Foundation
- Vision screening in children with Down Syndrome  
Investigators: PremNandhini Satgunam, Sourav Datta, Rebecca Sumalini  
Support: Hyderabad Eye Research Foundation
- Critical brain changes - development and plasticity of multisensory functions to study the principles of age dependent learning plasticity in humans  
Investigators: Ramesh Kekunnaya, Bhamy H Shenoy, Pia Ley, Davide Bottari, Brigitte Röder  
Support: European Research Council (ERC) Grant

## Patient Reported Outcomes Research

- **Glaucoma**

**Investigators:** Vijaya K Gothwal, Shailaja P Reddy, Seelam Bharani, Deepak K Bagga, Rebecca Sumalini, Chandra S. Garudadri, Harsha L. Rao, Sirisha Senthil, Vanita Pathak-Ray, Anil K Mandal  
**Support:** Hyderabad Eye Research Foundation

- **Keratoconus**

**Investigators:** Vijaya K Gothwal, Shailaja P Reddy, Asma Fathima, Seelam Bharani, Rebecca Sumalini, Deepak K Bagga, Preeji M Sudharman  
**Support:** Hyderabad Eye Research Foundation

- **Effectiveness of low vision rehabilitation (LVR) in children in India**

**Investigators:** Vijaya K Gothwal, Rebecca Sumalini, Seelam Bharani  
**Support:** Hyderabad Eye Research Foundation

- **Effectiveness of low vision rehabilitation (LVR) in adults in India**

**Investigators:** Vijaya K Gothwal, Seelam Bharani, Rebecca Sumalini, Deepak K Bagga  
**Support:** Hyderabad Eye Research Foundation

- **Health-related quality of life of adults with strabismus with or without amblyopia in India**

**Investigators:** Vijaya K Gothwal, Seelam Bharani, Ramesh Kekunnaya, Niranjan Pehera, Virender Sachdeva, Asa Narasaiah, Rekha Gunturu  
**Support:** Hyderabad Eye Research Foundation

- **Health-related quality of life of children with intermittent exotropia and their parents**

**Investigators:** Vijaya K Gothwal, Seelam Bharani, Ramesh Kekunnaya, Niranjan Pehera, Virender Sachdeva, Asa Narasaiah, Rekha Gunturu  
**Support:** Hyderabad Eye Research Foundation

- **Diabetic Retinopathy**

**Investigators:** Vijaya K Gothwal, Seelam Bharani, Divya Balakrishnan, Annie Mathai, Ajit Babu Majji, Jay Chabbiani, Padmaja Kumari Rani, Mudit Tyagi  
**Support:** Hyderabad Eye Research Foundation

- **Visual Functioning outcomes following Cataract Surgery: An Item Bank approach**

**Investigators:** Vijaya K Gothwal, Seelam Bharani, Sirisha Senthil, Somasheila Murthy, Anil K Mandal, Virender Sangwan, Mukesh Taneja, Bhupesh Bagga, Jagadesh Reddy  
**Support:** Hyderabad Eye Research Foundation

- **Health-related quality of life in children with eye diseases: Assessing the psychometric properties of PedsQL inventory and KIDSCREEN-52**

**Investigators:** Vijaya K Gothwal, Shailaja P Reddy, Seelam Bharani, Deepak K Bagga, Rebecca Sumalini, Subhadhra Jalali, Ramesh Kekakuny, Anil K Mandal, Santosh Honavar  
**Support:** Hyderabad Eye Research Foundation

- **Stress, anxiety, quality of life and coping strategies of parents of children with disabilities**

**Investigators:** Vijaya K Gothwal, Shailaja P Reddy, Seelam Bharani, Rebecca Sumalini, Sri Konkapaka  
**Support:** Hyderabad Eye Research Foundation

- **Measuring participation and contextual factors in children with vision impairment**

**Investigators:** Deepak K Bagga, Vijaya K Gothwal, Jill Keeffe, Serge Resnikoff<sup>1</sup>  
**Support:** Vision CRC, Sydney, Australia.

\* <sup>1</sup>Brien Holden Vision Institute, Sydney, New South Wales, Australia & School of Optometry and Vision Science, University of New South Wales, Sydney, Australia

## Research Scholars

### Basic Research

#### Kallam Anji Reddy Molecular Genetics Laboratory

M Ganeshwar Rao, Sonika Rathi, Meha Kabra, Gouontham P, Vasavi Bhogadi, S. Shahna, Syed Hameed, Chandan S, Vani Kumari, Mohini Annapurana K, Appikonda, Satsh Patnaik, Sushma Vishwakarma, Rishikesh Kumar Gupta, Harsha Agarwal, Damala Mukesh

#### Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory

Mr Krishna Manohar Kudupudi, Shubha Tiwari, Savitri Maddileti, Praveen Joseph, Vinay Kumar, Abhinav Reddy, Nanda Sivasankar, Puja Sarkar, Shruti Bandhopadhyay, Meda Chandana Teja, Madhuri Bhatta

#### Research Biochemistry Laboratory

Srinivasu K, Sanjukta Guha, Prerana Sharma

#### Jhaveri Microbiology Centre, KAR campus

Mr Konduri Ranjith, Praveen Kumar Balne, Ms Kanchana Nandanan Chattoth, Guru Vaidu, Bhavani Sontam

#### LVPEI, Bhubaneswar

Swaitsree Srudhanjali, Preethi Sahay, Swetha Pani

#### Post-doctoral Research Associates

Dr Nagaveni Shivshetty, Dr Kalyan Chakravarthy, Dr E Kumar, Dr Sudeep Kumar Gade, Dr Ved Prakash Dubey, Dr Ismail Khan, Dr Jayasudha Rajagopalaboopathi, Dr Rakesh Balachandar

#### Ocular Oncology

Dr Anamika Patel, Swatilekha Hazra

#### Pathology

Ms Veena Uppala

### Clinical Research

#### Kallam Anji Reddy Campus

Manager Operatons: Charitha

Study Optometrists: Abhilash, Liviza

Study Coordinators: Prathyusha, Shobha Kami Reddy, Vasantha, Deepthi, Ramiza

Excel Coordinators: Raju, Rakesh

Data Entry Operators: Vijaya

Senior Data Analyst: E Shoba Laxmi

#### Bhubaneswar Campus

Study Optometrists: Krushna Gopal Panda, Aniruddha Banerjee, Sujata Samal

Clinical Research Coordinators: Debasish Das, Mohammed Hasibur Rahman

Excel Coordinators: Seemashree Nibedita

Novartis: Bidhubhusan Badu

Support Staff : Susant Kumar Sahoo, Snehika Sasmal

#### Optometrists Involved In Research

Bharat, Hari, Nazia, Reena, Apporv, Srikanth, Preetham, Pampi Nending, Faiza, Shashikanth, Tabita, Bhagya.

# Basic Research Projects

## KAR Campus

No	Title of the Project	Funding Agency	Principle Investigator	Grant period
1	Wellcome Trust- To develop a rapid detection system for indentifying pathogens in the eye	Dr Prashant Garg	Wellcome Trust	2013-2016
2	C-Tracer 1- Phase 2	Prof D Balasubramanian/ Dr Inderjeet Kaur/ Dr Indumathi Mariappan	Champalimaud Foundation	2013-2017
3	Molecular epidemiology and Genomics complex and inherited eye diseases- DBT	Dr Subhabrata Chakrabarti	Department of Biotechnology	2013-2018
4	Genetic Analysis of Retinal Dystrophies-DBT	Dr Chitra Kannabiran	Department of Biotechnology	2015-2016
5	Identification of biomarkers for risk prediction and disease progression in diabetic retinopathy-DBT	Dr Inderjeet Kaur	Department of Biotechnology	2015-2016
6	Exploring the application of pluripotent and adult cells in the treatment of retinal and corneal disorders	Dr Indumathi Mariappan	Department of Biotechnology	2013-2018
7	Regenerative Prostheses as Alternative to Donor Corneas for Transplantation to Treat Blindness	Dr Virender Sangwan	Department of Biotechnology	2014-2017
8	Generating corneal endothelium from the trabecular meshwork stem cells	Dr Charanya Ramachandran	Department of Science & Technology	2014-2017
9	To study the role of myofibroblast/stem cells in corneal wound healing response: identifying and characterizing growth factor-receptor systems and herbal/stem cells treatments during development, homeostasis, and corneal wound healing"	Dr Vivek Singh	Department of Science & Technology	2014-2017
10	Image enhancement technology for children with vision impairment an evaluation	Dr Premnandini Satgunam	Department of Science & Technology	2014-2017
11	Role of antimicrobial peptides in pseudomonas keratitis- A translational approach from bench to patients	Dr Sanhita Roy	Department of Science & Technology	2014-2017
12	Utilizing the eye's optics to improve and predict vision of elderly humans	Dr Shrikant Bharadwaj	Department of Science & Technology	2014-2017
13	Mesenchymal Stem Cells for Limbal Stem Cell Deficiency and Vernal Keratoconjunctivitis: Identifying the mechanism of homing and immunomodulation of mesenchymal stem cells from corneal stroma, dental pulp, hair follicle, and umbilical cord	Dr Sachin Shukla	Department of Science & Technology	2014- 2019
14	UK-India Centre for Advanced Technology for Minimising the indiscriminate use of Antibiotics (UKICAT-MA)	Dr Prashant garg	Department of Biotechnology	2015-2018
15	Proof-of-concept experimentation on gene correction in iPSCs and creating disease models of zebra fish by genome editing methods	Dr Indumathi Mariappan	Department of Science & Technology	2015-2018
16	Perceptual consequences of degraded optics in Human vision	Dr Shrikant Bharadwaj	Department of Science & Technology	2015-2018
17	Role of Vitero-macular interface changes in the pathogenesis of AMD	Dr Jay Chhablani	Department of Science & Technology	2015-2018
18	Ocular Candida albicans: overcoming antibiotic resistance by identification of genes involved in biofilm formation and antagonizing biofilm formation	Dr Shivaji S	Department of Science & Technology	2015-2018
19	Indo-US- Role of Human lens By-crystallins in the vascular remodeling of the eye	Prof D Balasubramanian	Department of Biotechnology	2015-2017
20	Creating zebra fish models of retinal dystrophy using genome editing methods	Dr Indumathi Mariappan	Department of Biotechnology	2016-2019
21	Understanding the molecular basis of glaucomas	Dr Subhabrata Chakrabarti	Department of Biotechnology	2013-2016
22	Genetic epidemiology of ocular diseases: The Central India Eye and Medical Study	Dr Subhabrata Chakrabarti	University of Heidelberg	2012-2019
23	Gene discovery in primary congenital glaucoma	Dr Subhabrata Chakrabarti	National Eye Institute, NIH	2013-2016
24	Identification of biomarkers for risk prediction and disease progression in Retinopathy of Prematurity: a potentially blinding neonatal disorder	Dr Inderjeet Kaur	Department of Biotechnology	2012-2016

## Bhubaneswar Campus

No	Title of the Project	Funding Agency	Principle Investigator	Grant period
1	Association of hepatitis C virus, Hepatitis B virus and chlamydia Psittaci in extranodal marginal zone B cell lymphoma	Dr Suryasnata Rath	Department of Biotechnology	2015- 2018
2	Targeting MYCN in Retinoblastoma DBT	Dr Mamatha Reddy	Department of Biotechnology	2014- 2017
3	Tear Cytokines & MMP assay indifferent stages of pseudoexfoliation syndrome	Dr Aparna Rao	Glaucoma Foundation Grant	2015 -2016
4	Tear Dipstick immunoassay for diagnosis of adult primary glaucoma	Dr Aparna Rao	Biotechnology Ignition Grant	2015
5	Effect of Untraviolet-A/Riboflavin Corneal Collagen Cross linking on the virulence factor of fungi	Dr Sujata Das	Department of Biotechnology	2013-2015
6	Immuno-pathogenesis of ocular tuberculosis	Dr Soumyava Basu	Department of Biotechnology	2013- 2016

## Clinical Research

### KAR Campus

No	Name of the Project	Principal Investigator	Supported by	Duration
1	A Phase III, Multinational, Multicenter, Randomized, Double-Masked, Study Assessing the Safety and Efficacy of Intravitreal Injections of DE-109 (three doses) for the Treatment of active, Non-Infectious Uveitis of the Posterior Segment of the eye.	Dr Somasheila Murthy	Excel Life Sciences	2011 - 2016
2	Study to observe the effectiveness and safety of LUCENTIS® through individualized patient treatment and associated outcomes	Dr Raja Narayanan	Novartis	2012 - 2017
3	Biomarkers of Diabetic Retinopathy Progression	Dr Rajeev Reddy	ABILI 4C	2012 - 2016
4	A Phase III, Multi-National, Multi-Center, Randomized, Masked, Controlled, Safety and Efficacy Study of a Fluocinolone Acetonide Intravitreal (FAI) Insert in Subjects with Chronic Non-Infectious Uveitis Affecting the Posterior Segment of the Eye.	Dr Mudit Tyagi	Excel Life Sciences	2012 - 2017
5	Clinical Efficacy of Intravitreal administration of Bevacizumab Combined with navigated Laser treatment in patients with Clinically Significant Macular Edema(CSME)	Dr Jay Chabbiani	OD- OS	2012- 2016
6	A 12-month, phase III, randomized, double-masked, multicenter, active-controlled study to evaluate the efficacy and safety of two individualized regimens of 0.5 mg ranibizumab vs. vertoporfin PDT in patients with visual impairment due to choroidal neovascularization secondary to pathologic myopia (Brilliance)	Dr Raja Narayanan	Novartis	2015 - 2016
7	A prospective, single centre, open label, feasibility clinical evaluation of Epivision microkeratome with Nanotome head in correcting refractive errors II	Dr Pravin Krishna	Gebauer	2014 – 2016
8	A prospective contra lateral lens wear randomised controlled 3 months clinical trial to test the efficacy and safety of surface modified contact lens during continuous wear modality	Dr Pravin Krishna	UNSW	2015-2016
9	Clinical Evaluation of systane Gel drops on corneal staining in Indian subjects with Dry Eye.	Dr Somasheila Murthy	ALCON	2015-2016
10	An observational multi-center, open, study assessing the efficacy and safety of Ranibizumab intravitreal injections (IVI) of in patients with visual impairment due to Macular edema secondary to retinal vein occlusion(RVO)	Dr Raja Narayanan	Novartis	2016-2017
11	A multi center,open label, observational study to evaluate the efficacy and safety of intravitreal injections (IVI)of Ranibizumab in patients with visual impairment due to Diabetic Macular Edema (DME)	Dr.Padmaja Kumari	Novartis	2016-2017

## GMRV Campus

No	Name of the Project	Principal Investigator	Supported by	Duration
1	External Revision of Failed Primary External Dacryocystorhinostomy: A retrospective analysis of the causes of failure and outcomes of revision surgery at tertiary eye care centre	Dr Samir Mahapatra	In-House	2015-2016
2	Hydroxy Chloroquine (HCQ) Retinal Toxicity:Necessity for screening in South Indian Population	Dr Abhishek C Bawdekar	In-House	2015-2016
3	Co-relatives of varoins serum diomarkers with severits of diabetic retinopathu in diabetes patients	Dr Annapurna	In-House	2015-2016
4	Amblyopia in Accommodative Esotropias: Incidence, Characteristics, and outcomes in a south Indian Population.	Dr Virender Sachdeva	In-House	2015-2016
5	Clinical & radiological profile of patients with unilateral idiopathic intracranial hypertension	Dr Virender Sachdeva	In-House	2015-2016
6	Efficacy and Adverse responses of Atropine penalization as primary treatment modality for unilateral amblyopia: experience from a tertiary eye care centre in South India	Dr Virender Sachdeva	In-House	2015-2016

## Bhubaneswar Campus

No	Name of the Project	Principal Investigator	Supported by	Duration
1	A Phase III,Multinational,Multicenter, Randomized,Double-Masked,Study Assessing the Safety and Efficacy of Intravitreal Injections of DE-109(three doses) for the Treatment of active, Non-Infectious Uveitis of the eye	Dr Soumyava Basu	Santen Incorporated	2011 - 2016
2	Biomarkers of Diabetic Retinopathy Progression(C-Tracer)	Dr Rajeev Reddy, Co-I: Dr Tapas Ranjan Padhy, Dr Soumayava Basu, Dr Umesh Chandra Behera	Champalimaud Foundation (Grant)	2013 - 2017
3	LUMINOUS:Study to observe the effectiveness and safety of LUCENTIS® through individualized patient treatment and associated outcomes	Dr Taraprasad Das	Novartis	2012 - 2017
4	A Multicentre,Randomized,Double-Masked,3 Parallel Arms, Placebo Controlled Study to Assess the efficacy and Safety of NOVA22007 1MG/ML(Ciclosporin/Cyclosporine) Eye drops,Emulsion Administered in Paediatric patients with active severe Vernal Keratoconjunctivitis with Severe Keratitis.	Dr Srikant Kumar Sahu	Novagali Pharma	2014 - 2016
6	A randomized double-masked, phase III study assessing ranibizumab Intravitreal injections versus sham control in patients with visual impairment due to macular edema(ME) secondary to central retinal vein occlusion(CRVO) [Camellia]	Dr Umesh Chandra Behera	Novartis	2014 - 2016
7	A 12-month, phase III, randomized, double-masked, multicenter, active- controlled study to evaluate the efficacy and safety of two individualized regimens of 0.5 mg ranibizumab vs. verteporfin PDT in patients with visual impairment due to choroidal neovascularization secondary to pathologic myopia (Brilliance)	Dr Umesh Chandra Behera	Novartis	2014 - 2016
8	A Phase III, Multi-National, Multi-Center, Randomized, Masked, Controlled, Safety and Efficacy Study of a Fluocinolone Acetonide Intravitreal (FAI) Insert in Subjects with Chronic Non-Infectious Uveitis Affecting the Posterior Segment of the Eye.	Dr Soumyava Basu	pSivida Corp	2015 – 2018
9	A Phase IIb, Multinational, Multicenter, Open-Label Extension Study Assessing the Long-Term Safety of PRN Intravitreal Injections of DE-109 in Subjects with Non-Infectious Uveitis of the Posterior Segment of the Eye Who Have Participated in the SAKURA Development Program (Spring Study) Extension of SAKURA.	Dr Soumyava Basu	Santen Incorporated	2015 Onwards

# Publications

## April 2015 - March 2016

1. Abouammoh MA, Alsulaiman SM, Gupta VS, Mousa A, Hirakata A, Berrocal MH, Chenworth M, Chhablani J, Oshima Y, AlZamil WM, Casella AM, Papa-Oliva G, Bunker AS, Arevalo JF; King Khaled Eye Specialist Hospital International Collaborative Retina Study Group. Pars plana vitrectomy with juxtapapillary laser photocoagulation versus vitrectomy without juxtapapillary laser photocoagulation for the treatment of optic disc pit maculopathy: the results of the KKESH International Collaborative Retina Study Group. *Br J Ophthalmol.* 2016 Apr;100(4):478-83. PubMed PMID: 26294101.
2. Agrawal R, Sherwood J, Chhablani J, Ricchetti A, Kim S, Jones PH, Balabani S, Shima D. Red blood cells in retinal vascular disorders. *Blood Cells Mol Dis.* 2016 Jan;56(1):53-61. PubMed PMID: 26603725.
3. Alam S, Naik M, Mukherjee B. Re: "Transcutaneous Endoscopic Orbital Surgery: A Less Morbid Alternative to Lateral Orbitotomy". *Orbit.* 2016 Feb;35(1):46. PubMed PMID: 26709494.
4. Ali MJ. Canicular granuloma following recanalization by Sisler's trephine. *Saudi J Ophthalmol.* 2015 Apr-Jun;29(2):178-9. PubMed PMID: 25892942.
5. Ali MJ. Electron microscopy in the understanding of lacrimal drainage system. *Saudi J Ophthalmol.* 2015 Jul-Sep;29(3):181. PubMed PMID: 26155074.
6. Ali MJ. Endoscopic Approach to Management of a Lacrimal Sac Diverticula. *Ophthal Plast Reconstr Surg.* 2016 Mar-Apr;32(2):e49. PubMed PMID: 26079107.
7. Ali MJ. Iodine-131 Therapy and Nasolacrimal Duct Obstructions: What We Know and What We Need to Know. *Ophthal Plast Reconstr Surg.* 2016 Feb 10. [Epub ahead of print] PubMed PMID: 26866333.
8. Ali MJ, Ayyar A, Naik MN. Outcomes of rectangular 3-snip punctoplasty in acquired punctal stenosis: is there a need to be minimally invasive? *Eye (Lond).* 2015 Apr;29(4):515-8.
9. Ali MJ, Baig F, Lakhsman M, Naik MN. Scanning Electron Microscopic Features of Extubated Monoka Stents. *Ophthal Plast Reconstr Surg.* 2016 Jan 4. [Epub ahead of print] PubMed PMID: 26730859.
10. Ali MJ, Baig F, Lakshman M, Naik MN. Scanning Electron Microscopic Features of the External and Internal Surfaces of Normal Adult Lacrimal Drainage System. *Ophthal Plast Reconstr Surg.* 2015 Sep-Oct;31(5):414-7. PubMed PMID: 26020719.
11. Ali MJ, Baig F, Lakshman M, Naik MN. Biofilms and Physical Deposits on Nasolacrimal Silastic Stents Following Dacryocystorhinostomy: Is There a Difference Between Ocular and Nasal Segments? *Ophthal Plast Reconstr Surg.* 2015 Nov-Dec;31(6):452-5. PubMed PMID: 25675163.
12. Ali MJ, Naik MN. Image-Guided Dacryolocalization (IGDL) in Traumatic Secondary Acquired Lacrimal drainage Obstructions (SALDO). *Ophthal Plast Reconstr Surg.* 2015 Sep-Oct;31(5):406-9. PubMed PMID: 26020716.
13. Ali MJ, Iram S, Ali MH, Naik MN. Assessing the Outcomes of Powered Endoscopic Dacryocystorhinostomy in Adults Using the Lacrimal Symptom (Lac-Q) Questionnaire. *Ophthal Plast Reconstr Surg.* 2016 Feb 12. [Epub ahead of print] PubMed PMID: 26882060.
14. Ali MJ, Jalali S, Chhablani J. Wide-field Digital Ophthalmic Imaging in Infants using Nasal Endoscopic System. *Indian J Pediatr.* 2015 Dec 15. [Epub ahead of print] PubMed PMID: 26666903.
15. Ali MJ, Joseph J, Sharma S, Naik MN. Canalicularitis with Isolation of Myroides Species. *Ophthal Plast Reconstr Surg.* 2015 Dec 14. [Epub ahead of print] PubMed PMID: 26669295.
16. Ali MJ, Mishra DK. Lacrimal Sac Wall Granuloma Simulating a Neoplasm. *Ophthal Plast Reconstr Surg.* 2016 Mar 1. [Epub ahead of print] PubMed PMID: 26934565.
17. Ali MJ, Mishra DK, Baig F, Naik MN. Histopathology, Immunohistochemistry, and Electron Microscopic features of a Dacryocystorhinostomy Ostium Cicatrix. *Ophthal Plast Reconstr Surg.* 2015 Jul 8. [Epub ahead of print] PubMed PMID: 26517203.
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19. Ali MJ, Murphy J, James CL, Wormald PJ. Perineural squamous cell carcinoma infiltration of infraorbital nerve treated with endoscopic nerve resection up to foramen rotundum. *Clin Experiment Ophthalmol.* 2015 Apr;43(3):288-90. PubMed PMID: 25196391.
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22. Ali MJ, Pujari A, Dave TV, Kaliki S, Naik MN. Clinicopathological profile of orbital exenteration: 14 years of experience from a tertiary eye care center in South India. *Int Ophthalmol.* 2016 Apr;36(2):253-8. PubMed PMID: 26249131.
23. Ali MJ, Psaltis AJ, Murphy J, Wormald PJ. Powered endoscopic dacryocystorhinostomy: a decade of experience. *Ophthal Plast Reconstr Surg.* 2015 May-Jun;31(3):219-21. PubMed PMID: 25162414.
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28. Ali MJ, Ganguly A, Ali MH, Naik MN. Time taken for superior osteotomy in primary powered endoscopic dacryocystorhinostomy: is there a difference between an ultrasonic aspirator and a mechanical burr? *Int Forum Allergy Rhinol.* 2015 Aug;5(8):764-7. PubMed PMID: 25809557.
29. Ali MJ, Psaltis AJ, Wormald PJ. The Frequency of Concomitant Adjunctive Nasal Procedures in Powered Endoscopic Dacryocystorhinostomy. *Orbit.* 2015 Jun;34(3):142-5. PubMed PMID: 25902413.
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## Text Book Chapters

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3. **Keeffe J.** Vision impairment and chronic health conditions: implications for services. *JAMA Ophthalmology.* 2105;133(11):1275 doi:10.1001/jamaophthalmol.2015.3494.
4. Naidoo KS, Leasher JL, Bourne, RR, Flaxman, SR, Jonas JB, **Keeffe J**, Limburg H, Pesudovs K, Price H, White RA, Wong TY, Taylor HR, Resnikoff S; for the Vision Loss Expert Group of the Global Burden of Disease Study. Global Visual Impairment due to Uncorrected Refractive Error: 1990-2010. *Optom Vis Sci.* 2016; 93(3):227–234.
5. **Roy A, Garg P.** Post operative care in manual small incision cataract surgery. Book Chapter, B.A. Henderson (ed.), *Manual Small Incision Cataract Surgery*, SpringerInternational Publishing Switzerland 2016.

# Presentations

## Mohammad Javed Ali

### National

- APOC, Tirupati, September 2015; #Invited talks (1) Management of canalicular lacerations (2) Updates on lacrimal disorders.
- 41<sup>st</sup> FESS workshop, August 2015, Hyderabad; #Invited talks (3) Balloon Lacrimal interventions (4) Evaluation of a DCR Ostium.
- 40<sup>th</sup> DCR & FESS workshop, June 2015, Hyderabad; #Invited talks (5) PEnDCR – A new gold standard.
- Schöff workshop, Delhi, May 2015; #Invited talks (6) Navigation guided lacrimal surgeries (7) Dacryoendoscopy: therapeutic indications (8) Endoscopic orbital decompression (9) Lacrimal advances- LVPEI experience (10) Updates on lacrimal disorders.
- OPAI, Bhubaneshwar, May 2015; #Invited talk (11) Updates on lacrimal disorders (12) SEM features of a normal LDS.

### International

- EPOMEc, Dubai, March 2016; #Invited talks (1) 3D External Dacryocystorhinostomy (2) 3D Transconjunctival Orbitotomy. (3) Orbital Inflammation Breakfast with Experts (4) What's new in Ophthalmic Plastics Surgery?
- EOS, Dubai, December 2015; #Invited talks (5) Challenging scenarios in lacrimal surgery (6) Updates on lacrimal surgeries. (7) Pediatric lacrimal disorders.
- 3<sup>rd</sup> COESS, Wenzhou, China, August 2015; #Invited talks (8) Navigation guided Endoscopic orb decomp. (9) Powered endoscopic dacryocystorhinostomy (10) IGDL in SALDO.
- COESCA Congress, Kenya, August 2015; #Invited talks (11) Surgical approaches to the Orbit (12) Logical approaches to lacrimal problems.

## Akshay Badakere

### International

- WCPoS, Barcelona, September 2015; #Video presentation (1) Brimonidine-Hemostasis buddy to the strabismologist.

## Swathi Vallabh Badakere

### National

- Silver Jubilee meeting, Glaucoma Society of India, Mumbai, October 2015; #Video presentations (1) Scleral patch graft in the management of over filtering or leaking blebs causing hypotony maculopathy in the late postoperative period; #Talk (2) Precision and accuracy of ICare PRO tonometer in paediatric glaucoma.
- IERG-ARVO, LVPEI, Hyderabad, July 2016; #Talk (3) In vitro flow properties of Ahmed glaucoma valve.

## Deepak Bagga

### National

- ARVO-IERG, Hyderabad, July 2015; #Oral presentation: (1) Environmental factors that influence participation of children with low vision.

## Sayan Basu

### National

- Ocular Surface Workshop (OSW) III, LVPEI, Hyderabad, March 2016; #Course Orientation: (1) Moderation, Live-Surgery, Clinical Demonstration; #Talk (2) STEP.
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Invited talk (3) Advanced PG teaching Course - Ocular Surface Diseases and Reconstruction. # Invited talk & Co-instructor: (4) Chemical Injuries - Keratoplasty: All is not lost
- The Enigma of the 6<sup>th</sup> Layer, LVPEI Bhubaneshwar, January 2016; #Invited talks (5) Keratoplasty: All is not lost (6) SLET: Simple Limbal Epithelial Transplantation.
- Keracon, Kolkata, December 2015; #Instruction course (7) Biostatistics for Clinicians (8) Why SLET is the Best; #Invited talk (9) Pitfalls in RCTS in Corneal Infections.
- Rajasthan Ophthalmic Society, Annual Meeting, October 2015; #Keynote lecture (10) Salvaging vision in eyes with SJS.
- CME, Ocular Inflammation, Giridhar Eye Institute, Cohen, October 2015; #Invited talks (11) Corneal Infections (12) Choosing the right antibiotic for surgical prophylaxis
- Cornea Club meeting, Mumbai, September 2015; #Invited talk (13) SJS, Lid-Keratinization, MMG; #Presentation (14) SLET and Pterygium.
- Annual CME, Sarojini Devi Eye Hospital, Hyderabad, September 2015; #Presentation (15) Management of Chemical Burns.
- CME, Ocular Surface, Ranchi, Jharkhand, August 2015; #Presentation (16) Dry Eyes That Won't Go Away: What Are We Missing?
- CME, Sunetra Family Eye Care, Kolkata, August 2015; #Presentations (17)

### Dilemma in Choosing a Prophylactic Antibiotic.

- OSKON, Shankar Nethralaya, Chennai, July 2015; #Invited talks (18) Managing lid-margin keratinization in children with SJS. (19) Stromal Stem Cell Therapy for Corneal Scars (20) Shift from CLET to SLET in the Management of LSCD
- Ocular Surface Symposium, TSOS annual meeting, Karimangar, June 2015; #Talk (21) Management of Ocular Surface Disorders.

### International

- WOC, Mexico, Sub-specialty Day, February 2016; #Invited talks (1) Symposium of Ocular Surface Disease; SLET: Simple Limbal Epithelial Transplantation (2) Symposium on Ocular Surface Reconstruction; Surgical Management of Chronic SJS (3) Pancornea Symposium on Pterygium; STEP: A new technique of Pterygium Surgery (4) Symposium on Corneal Imaging; New Innovations in Corneal Imaging (5) World Editors Symposium I; How to get started on a manuscript (6) World Editors Symposium I; Submitting a manuscript.
- 2<sup>nd</sup> Ocular Surface Workshop, Mexico, June 2015; #Live-surgical demonstration: (7) LVP Kpro and MMG; #Invited talks (8) Management of Symbelpharon and LSCD. (9) Eye-Banking in India and its Impact on Corneal Blindness.
- 18<sup>th</sup> IOSS Annual Meeting, Denver, May 2015; #Paper presentation: (10) Lid-margin Keratinization: Natural History and Course Correction
- Association for Research in Vision and Ophthalmology (ARVO), Annual meeting, Denver, May 2015; #Paper presentation: (11) Simple Limbal Epithelial Transplantation (SLET) for Long-term Corneal Regeneration.

## Soumyava Basu

### National

- Inflammation, Sankara Nethralaya, Chennai, March 2016; #Invited talk (1) Recent advances in pathogenesis of ocular TB.
- Ophthalmology Society of West Bengal, Annual Meeting, November 2015; #Invited talk (2) Decoding the diagnosis: laboratory diagnosis of uveitis.
- USI Annual Meeting, Pondicherry, October 2015; #Invited talk (3) Finding utopia

### International

- IOIS, San Francisco, September 2015; #Invited talk (1) Management of ocular TB (2) Multimodal imaging in diagnosis and treatment of intraocular tuberculosis.
- International Workshops, Granulomatous Uveitis and Ocular Behcet's Disease and the APIISG Meeting, Cebu, May 2015; #Program Chair & Speaker (3) Intraocular tuberculosis
- APAO, Annual meeting, China, April 2015; #Invited talk (4) Pathogenesis of intraocular tuberculosis: recent advances (5) Demystifying retinal vasculitis (instruction course)

## Shrikant Bharadwaj

### National

- Annual Conference on Cognitive Science, IIT Kanpur, July 2015; #Presentation (1) Influence of the eye's optics on binocular visual functions – lessons from patients undergoing corneal transplantation.

### International

- Cognitive Science Society, Annual Meeting, California, July 2015; #Presentation (1) Influence of the eye's optics on binocular visual functions - lessons from patients undergoing corneal transplantation.

## Jay Kumar Chhablani

### National

- 67<sup>th</sup> Annual conference of Delhi Ophthalmological society, March 2016; #Instruction course (1) Macular Surgery....Simplified : Management of Subretinal macular haem.
- 74<sup>th</sup> AIOS, Kolkata, #Instruction course (2) Lasers for retinal diseases - past, present and future! (3) Macular Surgery....Simplified : Management of Subretinal macular haem (4) Cystoid Macular Oedema in DME
- Delhi Retina forum, Delhi, April 2015; #Invited speaker (5) Central Serous Chorioretinopathy
- Retinal Imaging CME, Mumbai, November 2015; #Invited faculty (6) What's new in retinal imaging (7) Autofluorescence.

### International

- 31<sup>st</sup> Asia-Pacific Academy of Ophthalmology Congress, Taipei, March 2016; #Paper presentation (1) Short-Term Safety Profile of Intravitreal Ziv-Aflibercept; #Poster presentation (2) Ganglion Cell-Inner Plexiform Layer Thinning in Retinitis Pigmentosa; #Video presentation (3) Bimanual vitrectomy for diabetic combined retinal detachment (4) Dye Extrusion

- technique in a challenging case of Posterior Pole Retinal Detachment
- APAO, Taipei, March 2016; #*Invited speaker* (5) Clinical Applications of Posterior Segment Imaging (6) Post Segment Complication Of Cataract Surgery; #*Instruction course* (7) Polypoidal Choroidal Vasculopathy - All You Need to Know (8) Choroidal Imaging: Current and Future
- WOC, Mexico, February 2016; #*Paper presentation* (9) Pars Plana Vitrectomy with Juxtapapillary Laser Photocoagulation (JLP) Versus Vitrectomy without JLP for the Treatment of Optic Disc Pit Maculopathy; #*Poster presentation* (10) Neurodegeneration in type2 diabetes: Evidence from SDOCT; #*Invited speaker* (11) Update in Macular Telangiectasia Type2.

#### Preeti Patil Chhablani

##### National

- Hyderabad Ophthalmic Association, CME, Pediatric Ophthalmology and Neuro-ophthalmology, September 2015; #*Invited talks* (1) Clues in the waterfall – Evaluation of Pediatric Cataract (2) It's all in the head – Examination of a Neuro-ophthalmology Case.
- Annual Conference, AIOS, Kolkata, February 2016; #*Chief Instructor (Instruction course)* (3) Different shades of the pale disc - a clinical approach to optic atrophy.

#### Subhabrata Chakrabarti

##### National

- Silver Jubilee, Glaucoma Society of India Meeting, Mumbai, October 2015; #*Chair and Invited talk* (1) How can genetic testing in glaucoma help a clinician? (2) Genetics - are we going to be free of glaucoma?
- Diabetes Clinical Summit, Consortium of Affordable Medical Technologies (CAMTech), Hyderabad, October 2015; #*Invited panelist* (3) Diagnosing diabetes at scale.
- Genetic Solutions Tour Symposium, Bangalore, October 2015; #*Invited talk* (4) Gene hunting in a congenital disease: From linkage mapping to next generation sequencing.

##### International

- Asia Pacific Academy of Ophthalmology, Taiwan, March 2016; #*Chair and Invited talk* (1) Epidemiology of biomarkers in age-related eye diseases.
- Faculty of Medicine, Chinese University of Hong Kong, June 2015; #*Visiting Faculty* (2) Genomics of complex eye diseases in India.
- 6<sup>th</sup> World Glaucoma Congress, Hong Kong, June 2015; #*Invited talk* (3) Molecular epidemiology of quantitative traits in glaucoma.
- Annual Meeting, ARVO, Denver, May 2015; #*Poster presentation* (4) Whole Exome Sequencing in Trios Indicate Novel Candidate Genes in Primary Congenital Glaucoma

#### Sunita Chaurasia

##### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; #*Paper Presentations* (1) Corneal endothelium in Xeroderma pigmentosum: Clinical specular microscopy study (2) Outcomes of keratoplasty with transplanted corneas with a death to preservation time more than 6 hours; #*Video Presentation*: (3) Utility of Endoilluminator for Anterior Segment Diagnostic and Surgical Interventions.
- 9<sup>th</sup> Annual Chamapalimaud Symposium, Hyderabad, January 2016. #*Speaker* (4) Ramayamma International Eye Bank-Update
- The Enigma of the Sixth Layer, Bhubneshwar, January 2016; #*Invited speaker* (5) Descemet membrane Endothelial Keratoplasty-Crossover
- Workshop, corneal procedures (Corneal trauma management, Endothelial keratoplasty), Bhubaneswar, January 2016 # (6) *Instructor*

##### International

- American Academy of Ophthalmology (AAO), Annual Meeting, Las Vegas, November 2015; #*Poster presentation* (1) Outcome of Transplanted Corneas With Death-to-Preservation Time of More Than 6 Hours in Hospital Setting Without Refrigeration.

#### Nikhil Choudhari

##### National

- Ocular Blood Flow in Glaucoma, CME, Hyderabad, March 2016; #(1) *Chairperson*
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #*Chief Instructor of Instruction Course* (2) Optic disc edema; what next? #*Talks (Instruction Course)* (3) True versus Pseudo Optic Disc edema; #*Invited Chairperson* (5) Free Papers in Neuro-ophthalmology.
- Glaucoma Society of India's annual meeting, Mumbai, October 2015; #*Invited Audience Poll* (6) Practice Patterns of Glaucoma Management in India; #*Video presentation* (7) Preventing uveal effusion in Nanophthalmos is not easy!

- Hyderabad Ophthalmic Associations Meeting, Hyderabad, September 2015; #*Invited talks* (8) Approach to optic disc edema (9) Neurological versus Non-Neurological Optic Neuropathy.

##### International

- World Glaucoma Conference, Hong Kong, June 2015; #*Invited speaker* (1) How clinical evaluation can indicate Non-Glaucomatous Optic Neuropathy (2) Modifications in Trabeculectomy; #*Poster presentations* (3) Post-repair behavior of the Goldmann applanation tonometer in clinics (4) Understanding practice patterns of Glaucoma subspecialists in India; Video presentation (5) Preventing uveal effusion in Nanophthalmos is not easy! #*Invited chair for instruction course* (6) Trabeculectomy

#### Beula Christy

##### National

- SightFirst Conclave, Hyderabad, March 2016; #*Presentation* (1) Outcome of a model project on Low Vision Rehabilitation services in Adilabad District supported by MD-316.
- 35<sup>th</sup> Low Vision Awareness Program (LAP), LVPEI Hyderabad, March 2016; #*In house faculty*: (2) Overview of LVR at the LVPEI (3) Management of a person with severe visual impairment' (4) Management of a person with Cerebral Palsy.
- Champalimaud symposium, LVPEI, Hyderabad, January 2016; #*Presentation* (5) Update on vision rehabilitation work at LVPEI.
- Lions Review meeting, Lions Bhavan, Hyderabad, January 2016; #*Presentation* (6) Update on Low Vision Rehabilitation services in Adilabad District.
- Cross Talk, LVPEI Hyderabad, December 2015; #*Presentation* (7) Randomized trial of low vision service delivery.
- 34<sup>th</sup> LAP Plus LVPEI Hyderabad, September 2015; #*In house faculty* (8) Rehabilitation services at LVPEI, what it entails.
- Eye PEP, LVPEI Hyderabad, November 2015; #*Invited speaker* (9) Integrating Rehabilitation Services in Clinical practice.
- ARVO-IERG, LVPEI, Hyderabad, July 2015; #*Presentations*: (10) Need for setting up early intervention units for children with visual impairment and developmental delay in eye hospitals (11) Usefulness of computer assistive technology for the visually impaired.

#### Sujata Das

##### National

- The Enigma of the Sixth Layer, Bhubaneswar, January 2016; #*Invited speaker*: (1) Role of PK: Old weapon, still effective

##### International

- Symposium at World Ophthalmology Congress, Mexico, January 2016; #*Instructor*: (1) Clinical features and medical management of Bacterial and Mycotic keratitis, (2) Management of Lens Injury associated with Anterior Segment Injury.

#### Taraprasad Das

##### National

- BMJ Master Class in Ophthalmology, Pune, August 2015; #*Presentation* (1) Diabetic Retinopathy - Clinic to Health Economics.
- Crusade against Diabetic Retinopathy, Vijayawada, June 2015; #*Presentations*: (2) Changing Clinical Presentation, KAP and VR-QOL in self-reported type 2 diabetics. (3) Diabetic macular edema management trends in India (4) Global Initiative in Diabetic retinopathy care.
- Gujarat Retina Udaipur, June 2015; #*Presentation* (5) India DME Management Guidelines.
- Crusade Against diabetes, Bhubaneswar, May 2015; #*Presentation* (6) India DME Treatment Guidelines and Retreatment Algorithms.
- Celebrating Retina- Celebrating Life, Bombay, May 2015; #*Presentation* (7) Randomised Control Trial of Efficacy and Safety of Intravitreal bevacizumab and ranibizumab in treatment of Macular edema secondary to BRVO: The Marvel report.
- Crossroads, Bhubaneswar, April 2015; #*Presentations*: (8) Corticosteroid in Diabetic Macular Edema- when? (9) Economics of Diabetic Macular Edema treatment.

##### International

- Asia Pacific Academy of Ophthalmology, Taipei, March 2016; #*Presentation* (1) Laser and anti VEGF for diabetic macular edema treatment rationale by Protocol I results.
- AAO, Las Vegas, November 2015: #*Poster presentation*: (2) Patient satisfaction with spherical equivalent spectacles in rural India.
- 9<sup>th</sup> Asia Pacific Vitreoretinal Society, Sydney, July-August 2015, #*Presentation* (3) Imagining reducing treatment burden in diabetic macular edema.

## Vivek Dave

### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Instruction course: (1) Management of the dropped nucleus; #Free paper presentations: (2) Outcomes of sutured scleral fixated IOL; #Video presentations: (3) Diabetic Vitrectomy: the Whole show (4) Techniques of managing the dropped nucleus at AIOC 2016; #E Poster: (5) New Technique of Phacofragmentation Using a Chopper and Chandelier Endoillumination.
- Telangana State Ophthalmological Society (TSOS), Annual Conference, Karimnagar, June 2015; #Video presentation: (6) ILM Peeling in a rare case of Terson syndrome.

### International

- EURETINA, France, September 2015; #Paper presentations: (1) Clinical presentations and outcomes of endophthalmitis in post vitrectomy (2) Clinical presentations and outcomes of rhegmatogenous retinal detachment in retinitis pigmentos; #Poster presentation: (3) Clinical presentations and outcomes of silicone oil removal post RD surgery following endophthalmitis; #Video presentations: (4) ILM peeling in sub ILM hemorrhage post Terson syndrome (5) Various techniques of managing a dropped nucleus.

## Tarjani Dave

### National

- TSOS, Annual Conference, Karimnagar, June 2015; #Video presentations (1) Anophthalmos: Born without eyes managing the indifference

## Chintan Jethal Dedhia

### National

- Inflammation - International Colloquium of Intraocular Inflammation, Sankara Nethralaya, Chennai, March 2016; #Poster presentations: (1) Intravitreal Clindamycin for Toxoplasma retinitis in a pregnant female (2) Ocular Tuberculosis presenting as Anterior and Posterior Scleritis (3) Intravitreal Dexamethasone for Tubercular choroidal granuloma.

## Merle Fernandes

### National

- The enigma of the sixth layer, LVPEI Bhubneshwar, January 2016; #Presentation (1) Keratoplasty in Special Situations.
- Andhra Pradesh Ophthalmology Conference, Tirupathi, September 2015; #Invited speaker: (2) Microbial Keratitis: Surgical management (2) Microbial Keratitis: Evaluation and Diagnosis (3) ABCs of Limbal Stem Cell Transplantation (4) Phacoemulsification: Nucleus Management (5) Surface Ablation.

### International

- European Society of Cataract and Refractive Surgeons, Barcelona, September 2015; #Chief Instructor: (1) Pediatric Penetrating Keratoplasty: To Do or Not To Do? (2) (wet lab) IOL Explantation; Paper presentation (3) Comparison between Polymicrobial and fungal keratitis: Clinical features, risk factors and outcome; #Video Presentation: (4) Horse-shoe tuck: Novel surgical technique for Terriens Marginal Degeneration.
- World Congress of Pediatric Ophthalmology and Strabismus, Barcelona, September 2015; #Invited Speaker: (5) HSV Keratitis in Children (6) Stem Cells of the Ocular Surface.
- ARVO, Denver, May 2015; #Poster presentation: (7) Pigment Epithelium Derived Factor is Reduced in a Murine Model of Dry Eye Disease.
- American Society of Cataract and Refractive Surgeons, San Diego, April 2015; #Paper presentations: (8) Polymicrobial keratitis: Clinical features, risk factors, outcome (9) Wavefront Aberrations in Aging Indian Population.

## Prashant Garg

### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Invited speaker: (1) Post graduate teaching course (Advanced Ophthalmology Module): Corneal infections - logical approach; #Steering Committee Member & Invited speaker (2) Teachers in Ophthalmology.
- Keracon 2015, Cornea Society of India, Kolkata, December 2015; #Paper Presentation (3) KOH mount as an aid in the management of infectious keratitis at Secondary centre.
- ARVO-IERG, LVPEI, Hyderabad, July 2015; #Paper Presentation (4) Functional utility of corneal transplantation in unilateral visual impairment.

### International

- World Ophthalmology Congress, Mexico; January 2016; #Course Instructor: (1) Bacterial keratitis - how and when to use corticosteroids (Symposia speaker) (2) Uncommon corneal infections (3) Parasitic keratitis - Indian perspective; #Invited Speaker: (4) Tips for starting team based education program (5) Inter professional learning: what is the evidence? (6) Train the trainer: an educational model for the eye care team.

## Vijaya K Gothwal

### National

- 35<sup>th</sup> LAP Plus, LVPEI, Hyderabad, March 2016; #Program Co-ordinator and In-House faculty: (1) Overview of Low Vision Rehabilitation.
- CROSTALK 2015, LVPEI, Hyderabad, December 2015; #Speaker: (2) Under one roof: Pulling specialists together to improve eye care.
- Eye-PEP, LVPEI, Hyderabad, November 2015; #Invited speaker: (3) What is low vision and how do we deal with it?
- 34<sup>th</sup> LAP, LVPEI, Hyderabad, September 2015; #Course Co-ordinator and In-House faculty: (4) Clinical Challenges.
- ARVO-IERG, LVPEI, Hyderabad, July 2015; #Free paper presentation: (5) Depression, anxiety and stress in eye care profession students: A cross-sectional study.
- 33<sup>rd</sup> LAP, LVPEI, Hyderabad, April 2015; #Course Co-ordinator and In-House faculty: (6) Clinical Challenges.
- 3<sup>rd</sup> Elite School of Optometry's International Vision Science and Optometry Conference, Chennai, August 2015; #Invited speaker: (7) Effectiveness of Low Vision Rehabilitation services.

### International

- Annual meeting, ARVO, Denver, May 2015; #Poster presentation: (1) Evaluating the Effectiveness of Low Vision Rehabilitation in Indian population.

## Shweta Gupta

### National

- OPAI, Bhubaneswar, December 2015; #Presentation (1) Presentation and management outcomes in Histopathologically proven Orbital and Periorbital dermoid cysts.

## Padmaja Kumari Rani

### National

- Capacity building of ophthalmologists for management of diabetic retinopathy, QEDJT, Supported Diabetic Retinopathy Program in India, Hyderabad, March 2016; #Speaker (1) Module 1: Epidemiology and pathogenesis of Diabetic retinopathy; (2) Module 2: Risk factors and systemic control in Diabetic retinopathy.
- Hyderabad Retina forum meeting, Hyderabad, March 2016; #Invited speaker (3) Debate on Stage V ROP surgery.
- Vitreoretinal society of India conference, Kerala, December 2015; #Poster presentation (4) Outcomes of recurrent retinal detachment following parsplanavitrectomy for Rhegmatogenous retinal detachment.
- 10<sup>th</sup> Anniversary celebrations of Udgir Lions eye hospital, Udgir, November 2015; #Invited faculty and Keynote speaker (5) Management of Diabetic Retinopathy for Physicians.
- Eye Pep, LVPEI, Hyderabad, November 2015; #Invited faculty (6) Diabetic retinopathy pathogenesis, classification and management.
- Hyderabad ophthalmic society - Paediatric ophthalmology and neuro ophthalmology meeting, Hyderabad, September 2015; #Invited speaker (7) Evidence based protocols for the medical management of ROP.
- Regional faculty orientation workshop for Certificate course in evidence based management of Diabetic retinopathy, New Delhi, November 2015; (8) #Invited faculty.
- AP and Telengana Paediatrics and Neonatology conference, Hyderabad, November 2015; #Invited Speaker and Panel discussant (9) Role of pediatrician in ROP screening and role of AntiVEGF therapy in ROP.
- Hyderabad Retina forum, Hyderabad, September 2015; #Panel discussant (10) ROP.
- Capacity building of ophthalmologists for management of diabetic retinopathy, QEDJT(Queen Elizabeth Diamond JubileeTrust), Supported Diabetic Retinopathy Program in India, New Delhi, September 2015; (11) #Expert member.
- IERG-ARVO, LVPEI Hyderabad, July 2015; #Poster presentation (12) Eye Care from a rural perspective: A photo voice project.
- 26<sup>th</sup> Sankaranethralya Alumini meet, Chennai, July 2015; #Speaker (13) Bilateral choroidal detachment and exudative retinal detachment as a presenting feature of presumed endogenous endophthalmitis; #Video presentation (14) 25G Parsplana Vitrectomy and Irido-Zonulo-hyaloido-Vitrectomy (IZHV) in the management of malignant glaucoma in a phakic eye following trabeculectomy.
- Capacity building of ophthalmologists for management of diabetic retinopathy, QEDJT(Queen Elizabeth Diamond JubileeTrust), Supported Diabetic Retinopathy Program in India, New Delhi India, June 2015; (15) #Expert member.
- TSOS, Annual meeting, Karimnagar, June 2015; #Invited speaker (16) Management of Pseudophakic retinal detachment (17) Planning and conducting a study (18) Cat scratch disease and other retinitis.
- Capacity building of ophthalmologists for management of diabetic retinopathy, QEDJT (Queen Elizabeth Diamond JubileeTrust), Supported Diabetic Retinopathy Program in India, New Delhi India, June 2015; (19) #Expert member.

## Subhadra Jalali

### National

- Goalkeepers' from Telangana State, 1<sup>st</sup> Women Ophthalmological Society of India meeting, Women Lead, Noida, March 2016; #Invited speaker (1) Stage 5 ROP: No it was not a goal and it was not the end game; #Paper presentation: (2) You can look into my eyes easily now" about neonatal retinal camera.
- CME, Warangal Ophthalmic Association, March 2016; #Invited talk (3) Childhood Blindness (4) Glaucoma in Retinal diseases.
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Invited speaker (5) PG teaching session on basic Ophthalmology module (6) Ophthalmologists Society session (7) ROP screening and management of a preventable disease- all you wanted to know about it (8) Case based approach for management of ROP (9) Paediatric retina preferred practice pattern for the general Ophthalmologist (10) Visual, refractive and anatomic outcomes in longterm practice of ROP; #Instruction course (11) Ocular electrophysiology-Interpretations and Clinical applications; Multifocal ERG Instruction course (12) Ophthalmic Procedures: electrophysiology; Variations and interpretation of Visual electrophysiology reports.
- Launch of Womens' wing of Paediatric society of India, January 2016; #Invited speaker (13) Mission ROP.
- 53<sup>rd</sup> Pedicon, Hyderabad, January 2016; #Invited expert (14) Symposium on 'Red Eye'.
- Super-specialty conference, Kalinga Hospital, Bhubaneswar, January 2016; #Invited talk (15) Cataract, diabetic retinopathy, ROP, childhood blindness and LASIK.
- Symposium, Time Means Vision: Insight into Babys' Sight, NEOCON, Bhubaneswara December 2015; #Invited talk (16) ROP Myths and Facts: Ophthalmologists perspective; #Presentation (17) Visual, Refractive and anatomical outcomes in babies treated for and those with spontaneously regressed retinopathy of prematurity.
- 1<sup>st</sup> Telangana State Women Ophthalmological society meeting, November 2015; #Invited Patron and speaker (18) Teenagers in my Life.
- Annual awards, Rotary district 3150, Bhadrachalam, June 2015; #Invited speaker (19) Thirty days to light: Know the care about your baby's vision and also ROP.
- Silver Jubilee celebrations, Rotary club of Hyderabad, Megacity, Hyderabad, June 2015; #Invited speaker: (20) Thirty days to light: control of ROP blindness in India.
- QDJT to Andhra Pradesh State Sensitization Meeting, Health Department, April 2015; #Invited speaker: (21) ROP epidemic and its control strategies.

### International

- 3<sup>rd</sup> World Congress of Paediatric Ophthalmology and strabismus, Rerina Medical Forget-me-not session, Barcelona, September 2015; #Invited speaker (1) FEVR: Do I treat Prophylactaly.
- 9<sup>th</sup> APVRS Annual Congress, Sydney, July-August 2015; #Poster presentation: (2) Management and outcomes of Rhegmatogenous retinal detachment following Intravitreal Bevacizumab for Threshold ROP. An ITCROPS database Report (3) Outcomes of IVTA in a series of exudative retinal detachments associated with Coats' diseases and other rernal telangiectasias; #Invited speaker: (4) Are FEVR and Norries' disease different or with overlapping features? Results of a prospective genetic and clinical study.

## Joveeta Joseph

### National

- ARVO-IERG, Hyderabad, July 2015; #Oral presentation: (1) Corynebacterial Endophthalmitis: Microbiological and clinical profile of 17 patients.
- VISION 2020 INDIA's 11<sup>th</sup> Annual Conference, Moradabad, June 2015; #Invited speaker (2) Infection Control: Principles and Practices.

## Swathi Kaliki

### National

- OSW III, LVPEI, Hyderabad, March 2016; #Talk (1) Clinical masquerades of OSSN.
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Presentation (2) Management of retinoblastoma: Case-based discussion on Chemotherapy after enucleation.
- Champalimaud symposium, LVPEI, Hyderabad, January 2016; #Speaker (3) Update on ocular oncology work at LVPEI.
- VISTA, 20 years celebration of Hyderabad Ophthalmologists association, Hyderabad, January 2016; #Panelist (4) Oculoplasty and oncology symposium.
- Oculoplasty Association of India meeting, Bhubaneswar, December 2015; #Invited speaker (5) Recent advances in the management of eyelid tumors; Co-chair (6) Challenging scenarios in Oncology.
- Dristi, Annual Conference, Kerala Ophthalmological Society, Trivandrum, November 2015; #Invited speaker (7) Recent advances in Ocular Oncology.
- Eye PEP, LVPEI, Hyderabad, November 2015; #Invited talk (8) Evaluation

of proptosis (9) Management of proptosis (10) Retinoblastoma: Diagnosis and management.

- 34<sup>th</sup> Annual conference, Karnataka State Ophthalmic Society, Karnataka, November 2015; #Invited speaker (11) Recent advances in Ocular Oncology.
- Hyderabad ophthalmic Society, August 2015; #Presentation (12) Complications of Ophthalmic surgery. When the going gets tough! #Video presentation (13) Minute to win it: Video challenges on challenging situations.
- Ophthalmology 2015, Little Flower Hospital, Angamaly, Kerala, July 2015; #Invited speaker (14) What's new in Ocular Oncology?
- TSOS, Annual Conference, Karimnagar, June 2015; #Poster presentation (15) Ocular Surface Squamous Neoplasia (OSSN) as the presenting feature of Human Immunodeficiency Virus (HIV) infection (16) Immunodeficiency Virus (HIV) infection; Paper presentation (17) The correlation of International Classification of Retinoblastoma and high-risk retinoblastoma; #Instruction course chair (18) Ocular adnexal tumors; #Instruction course (19) Top 10 pearls in the management of eyelid tumors (20) Diagnosis of conjunctival tumors (21) Top pearls in the management of conjunctival tumors (22) Enucleation technique; Video presentation (23) Enucleation by myoconjunctival technique.

### International

- 3<sup>rd</sup> World Congress of Paediatric Ophthalmology and Strabismus, Barcelona, September 2015; #Invited speaker (1) Optic nerve glioma (2) Retinal vascular tumors.
- International Society of Ocular Oncology, Paris, June 2015; #Co- chair (3) Retinoblastoma free paper session; #Paper (4) advanced intraocular retinoblastoma treated by primary enucleation in 913 eyes: Outcomes from a developing country versus a developed country; #Poster presentation (5) Primary Simple Limbal Epithelial Transplantation at the time of excision of Giant Ocular Surface Squamous Neoplasia.

## Chitra Kannabiran

### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Faculty, Instruction Course (1) Genetics in Ophthalmology.

### International

- International Conference on the Lens, Hawaii, December 2015; #Invited talk (1) Mechanism of cataract induced by splice mutation in beta A3/A1-crystallin.

## Inderjeet Kaur

### National

- Annual meeting, Indian Society of Human Genetics, Chennai, March 2016; #Invited Talk (1) Understanding the molecular mechanisms involved in the ROP.
- Brain and Eye Symposium, Hyderabad, February 2016; #Invited Talk (2) Neurodegenerative Changes in the Retina Could be Predictive for Abnormal Vascular changes in Diabetic Retinopathy.
- St Francis College Begumpet, Hyderabad, October 2015; #Invited talk (3) ROP

### International

- Dept of Ophthalmology, UMass, Boston, October 2015; #Invited talk (1) Genomics of Retinopathy of Prematurity.
- Annual Meeting, American Society of Human Genetics, Baltimore, October 2015; #Poster presentation: (2) Understanding the genetic involvement in ROP by a functional genomics and proteomics based approach.

## Ramesh Kekunnaya

### National

- Pediatric Eye in Systemic Disease, LVPEI's KVC Campus, Vijayawada, March 2016; #In house faculty/panelist: (1) Pediatric Cataract in Lowe's Syndrome (2) Optic Neuritis in a child with NMO.
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Invited Speaker/Instructor/Moderator: (3) Papilledema (4) SRT in esotropic Duane Syndrome (5) Loop Myopexy for Myopic Strabismus Fixus (6) Management of Superior Oblique palsy (7) TRIP Session: What's new in Pediatric Ophthalmology? (8) WSPOS - AIOS International Symposium: Controversies in Pediatric Cataract Surgery.
- MAROPCON, MAROS Annual conference, Aurangabad, February 2016; #Invited Key Note Speaker (9) Common ocular motility disorders (10) Nuances of Pediatric Cataract Management.
- VISTA, Celebrations of Two Decades of HOA, Hyderabad, January 2016; #Invited speaker/Moderator/Panelists (11) Squint & Neuro-Ophthalmology session.
- LVPEI Education & Alumni Day, LVPEI Bhubaneswar, January 2016; #In house faculty (12) Panelist, Pediatric Ophthalmology & Strabismus Case Discussion.
- Synapse International Neuro-Ophthalmology CME, Sankara Nethralaya,

Chennai, January 2016; #Invited speaker (13) Spectrum of 3<sup>rd</sup> nerve palsy: How imaging helped?

- SPOSI Annual Meeting, Coimbatore, December, 2015; #Video Presentations: (14) unusual ocular motility disorders (15) Pediatric Cataract Surgery under special situations.
- KSOS, Annual Meeting, Kovalam, November 2015; #Invited Keynote speaker (16) Video based grand rounds (17) Nystagmus Surgery.
- Eye PEP, LVPEI Hyderabad, November 2015; In house faculty (18) Management of esotropia, Evaluation of disc edema
- 34<sup>th</sup> Annual conference, Karnataka State Ophthalmic Society (KOS), Dharwad, November 2015; Invited speaker/Chairman (19) Strabismus surgery under Topical anesthesia (20) Nystagmus: How and When (21) Nuances of Pediatric Cataract Surgery: for General Ophthalmologists.
- APOS & SROC Annual Meeting, Dakshin Nethra, Tirupathi, September 2015; #Invited speaker (22) Approach to optic disc edema (23) Inferior oblique surgeries (24) Duane syndrome: Strabismus management.
- Bombay Ophthalmic Association (BOA) meeting, Mumbai, August 2015; #Invited speaker (25) Unusual ocular motility disorders (26) Management of strabismus in Duane syndrome.
- Looking Beyond the Eye, CME, LVPEI's GMRV Campus, Visakhapatnam, July 2015; #Invited speaker: (27) Case presentation on acquired nystagmus
- Eye on the future - Pediatric Ophthalmology & Strabismus, CME and cadaver dissection course, LVPEI Bhubaneshwar and AIIMS, Bhubaneshwar, July, 2015; (28) #Chairman; #Invited speaker (29) VAST : Surgical video of special strabismus surgery; #Panelist (30) Case discussion, Congenital Optic disc anomalies; #Instructor (31) Cadaver dissection course.
- Symposium and IC, TSOS, Annual Meeting, Karimnagar, June 2015; #Invited lectures (32) Videos of Pediatric Ophthalmology & Strabismus Cases (33) How to evaluate paralytic strabismus cases (34) How to tackle esotropia.
- Overcoming obstacles - Current Practices in Ophthalmology, Pune, May 2015; #Invited lectures / Panelists / Chairperson: (35) Confusions in ocular motility (36) Alphabet pattern Strabismus: How to tackle?
- Hands-on Cadaver workshop on Strabismus, M S Ramaiah Advance Learning Centre, Bangalore, April 2015; #Invited faculty (37) Superior oblique surgeries.

#### International

- APAO Annual meeting, Taiwan, March 2016; #Invited speaker / chair (1) Recognizing ocular motility disorders of Neurological origin. (2) WSPOS Symposium - Anterior segment disorders (3) What does IATS mean for Asia- Pacific region?
- 3<sup>rd</sup> World Congress of Pediatric Ophthalmology & Strabismus (WCPOS), Spain, September 2015; (4) #Organizer and Chairperson; #Invited speaker (4) Opening ceremony (5) Just - a- minute (JAM) session; #Keynote Introduction (6) Dr Alex Levin; #Lectures (7) Loop Myopexy for Myopic strabismus fixus : Long term outcome (8) Influence of surgical anatomy in the outcome of strabismus surgery (9) ESCRS / WSPOS: Joint symposium on infantile cataract Infant IOL's and developing country (10) Precision medicine in Pediatric Ophthalmology and Strabismus; #Free paper (11) Clinical profile and surgical management of vertical deviation in Duane Syndrome; #Video Presentation (12) Systematic management of cataract in PFV (13) 'Peek a boo' novel method of fundus evaluation during pediatric cataract surgery (14) Closing ceremony.
- Indonesian Ophthalmology Association (IOA), Annual meeting, Indonesia, August 2015; #Invited speaker (15) Pediatric Cataract surgery in special situations (16) Secondary Intraocular lens implantation (17) Approach to a case of optic disc edema (18) Management of strabismus in Duane syndrome (19) Confusions in Ocular motility disorders.
- Jordanian Ophthalmological Society International meeting, Jordan, May 2015; #Invited Symposium/speaker (20) Interesting ocular motility disorders. (21) Pearls for Infant Cataract Surgery.
- APAO, Annual meeting, China, April 2015 (22) #Chairman; #Invited speaker (23) Innovations and Misconceptions in Pediatric Ophthalmology and Strabismus', WSPOS Symposium; What IATS has taught us?

#### Rohit C Khanna

##### National

- 9<sup>th</sup> Annual Champalimaud Symposium, LVPEI Hyderabad, January 2016; #Invited speaker (1) Update on the Pyramid and related genetic epidemiology at LVPEI.
- Cross Talk, LVPEI Hyderabad, December 2015; #Presentation (2) The APEDS Saga- APEDS I to APEDS III.

##### International

- University of Rochester (UoR) public health students (video conferencing), November 2015; #Guest lecture (1) The Indian Health Systems.
- Prevent Blindness America 4<sup>th</sup> Annual Conference, June 2015; #Invited speaker (2) LVPEI model for LV and Rehabilitation - Game Changer in Developing World.
- 1<sup>st</sup> Annual Rochester Global Health Symposium, June 2015; #Invited speaker (3) Innovative Technology in LVPEI Rural Eye Health Pyramid.
- ARVO, Annual Meeting, Denver, May 2015; #Poster presentation (4)

Cataract Surgery Visual Outcomes and Associated Risk Factors in Secondary Level Eye Care Centers of L V Prasad Eye Institute, India.

#### Anil K Mandal

##### National

- Glaucoma Basic Course, LVPEI, Hyderabad, March 2016; #In house faculty (1) Trabeculectomy: surgical technique (2) Manual SICS+PCIOL
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Instruction course (3) Neonatal corneal clouding: Differential diagnosis and management of newborn glaucoma; #Co-instruction (4) Management of coexisting cataract and glaucoma: tips, tricks and tactics.
- Silver Jubilee Celebration and annual meeting of Glaucoma Society of India, Mumbai, October 2015; #Co-chair, instruction course (5) Childhood glaucoma; Pearls for accurately localizing the Schlemm's canal in a stretched limbus; #Invited speaker (6) symposium: Managing with surgery – The skills, The trials and The Tribulations; Surgical approaches for pediatric glaucoma.
- EYE PEP 2015, LVPEI Hyderabad, November 2015; #In house faculty (7) Congenital glaucoma: The challenge tackled.
- 22<sup>nd</sup> Annual Meeting, IERG, July 2015; #Session Chairperson (8) Functional vision, vision rehabilitation and glaucoma (9) Surgical talk Surgical management of primary congenital glaucoma (10) Evaluator: poster presentations.
- 1<sup>st</sup> TSOS meeting, Karimnagar, June 2015; #Chairman instruction course (11) Congenital corneal clouding.

##### International

- Annual Meeting, AAO, Las Vegas, November 2015; #Poster presentation (1) Manual small incision cataract surgery combined with Trabeculectomy: Visual and IOP outcomes; #Video presentation (2) New born glaucoma with imperforate pupil

#### Indumathi Mariappan

##### National

- IJO Research Workshop, Aditya Jyoti Foundation, Mumbai, January 2016; #Invited talk (1) Stem Cells for Retinal Regeneration: Current Progress and Future Challenges.
- 39<sup>th</sup> All India Cell Biology Conference on "Cellular Organization and Dynamics", Kerala, December 2015; #Poster presentations (2) Generating ocular tissues from human induced pluripotent stem cells.
- Stem Cell Awareness Day, School of Medical Sciences, University of Hyderabad, October 2015; #Invited talk (3) Stem Cells and Induced Pluripotency.
- ARVO-IERG, Hyderabad, July 2015; #Invited talk (4) Generating retinal tissues from induced pluripotent stem cells.

#### Srinivas Marmamula

##### National

- Cross Talk, LVPEI Hyderabad, December 2015; #Presentation (1) "Visual Impairment in Elderly population" and "Childhood Blindness project in Krishna".
- SEARO workshop on primary eye care organized, AIIMS, New Delhi, December 2015; #Invited talks (2) Role of volunteers in Primary Eye Care.
- Seminar "Clinical Research: Opportunities, Challenges and Impact", KIMS Hyderabad, November 2015; #Invited talk (3) My career trajectory and IA experience.
- Wellcome DBT/ India Alliance Annual fellows meet, Hyderabad, November 2015; #Poster presentation (4) Impact of intervention for avoidable visual impairment among the Elderly Population in Residential Care in and around Hyderabad, India.
- ARVO-IERG, LVPEI, Hyderabad, July 2015; #Poster presentation (5) Population-based Assessment of Spectacles Use in a Rural Population in the State of Telangana, India.
- Optometry conference at MGM Eye Institute in Raipur, Chhattisgarh, April 2015; #Invited talks (6) Global burden of visual impairment in the world and India (7) Visual status Assessment in children.

#### Dilip Kumar Mishra

##### National

- Seminar, Eye and Orbital Lesions in pediatric age group, Warangal Medical College, March 2016; #Guest speaker (1) Eye and Orbital Lesions in pediatric age group.
- CME, Goa Medical College, February 2016; #Faculty speaker (2) Intraocular Tumors.
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Poster presentations (3) An atypical case of lacrimal sac mass (4) Clinical features and outcomes; #Paper presentation (5) Retinoblastoma presenting as preseptal/orbital cellulitis: A study of 40 consecutive cases.
- APCON, All INNDIA Chapter in Cochin, Kerala, December 2015; #Paper presentation (6) Retrospective study of conjunctival Melanoma in a tertiary

- eye care institute of India.
- Eye PEP, LVPEI Hyderabad, November 2015; #*Invited talk* (7) Pathology of conjunctiva, cornea and tumors of and eye and orbit.
- APCON-AP Chapter Pathologist meet, Khammam, August 2015; #*Paper presentation* (8) Exploring the Stem Cell markers in ocular surface squamous neoplasia.
- ARVO-IERG, LVPEI Hyderabad, July 2015; #*Paper presentation* (9) Malignant melanoma of conjunctiva: - Retrospective case analysis of 19 cases in a Tertiary care Eye Institute; #*Poster presentation* (10) Deciphering the stem cell markers expression in in-situ and invasive squamous cell carcinoma of ocular surface.
- Panel Discussion, GMRV Campus, July 2015; #*Faculty speaker* (11) Eye and systemic disease.

#### International

- University College of London and Moorfields Eye Hospital, Ophthalmic Pathology Department, March 2016; (1) #*Visiting Observer*
- British Academy of Ophthalmic Pathology (BAOP), Oxford, March 2016; #*Guest Speaker*: (2) Expression Of different stem cell marker in "Ocular surface Squamous Neoplasia" (3) Conjunctival Melanoma- Retrospective study in a tertiary eye care institute India
- SAARC Country Histopathologist and Cytopathologist meet, Dhaka, October 2015; #*Guest speaker*: (4) Eye and Orbital diseases; #*Co-chaired session* (5) Oration Lecture of President.

#### Ashik Mohamed

##### National

- ARVO-IERG, Hyderabad, July 2015; #*Poster presentation* (1) Quantitative Morphology of the Remodeling Zone in Non-Human Primate Lenses.

##### International

- ARVO, Annual Meeting, Denver, May 2015; #*Poster presentations*: (1) Isolated human lens shape determined by tridimensional digital shadow photogrammetry: A pilot study. E-Abstract: 6000.

#### Somasheila Murthy

##### National

- Inflammatio Meeting, Sankar Netralaya, Chennai, March 2016. #*Invited faculty*: (1) Scleritis Management #(2) Session Chair.
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #*Invited speaker* (3) Mentoring, Women Ophthalmologists Society (4) Femtosecond laser for superficial corneal opacities (5) SMILE versus Excimer: is excimer extinct (4) Ocular cicatrizing disease: medical and surgical management; #*Convenor instructor* (6) National Symposium Ocular Inflammation Episcleritis and scleritis; #*Talk/ Co-instructor* (7) Challenging cases in Uveitis, Challenging cases: scleritis (8) VISTA, 20 years celebration of Hyderabad Ophthalmologists association, Hyderabad, January 2016; #*Invited speaker*: (8) Challenging cases: Uveitis #(9)Session chair.
- Keracon, 3<sup>rd</sup> annual meeting, Cornea society of India, Kolkata, December 2015; #*Invited faculty* (10) Role of clinical trials in infectious keratitis
- Delhi Ophthalmological society, biannual meeting, Delhi, November 2015; #*Invited faculty* (11) Panel discussion refractive surgery.
- PG Update, Aravind Eye Care Hospital, September 2015; #*Invited faculty* (12) OCT and Specular in diagnosis.
- PG Update, Sarojini Devi Eye Hostpital, Hyderabad, September 2015; #*Invited faculty* (13) Diagnosis in anterior uveitis.
- 13<sup>th</sup> Annual Meeting, Uveitis Society of India, Pondichery, October 2015; #*Organizing committee and invited faculty* (14) session on scleritis
- TSOS, 1<sup>st</sup> Annual Meeting, June 2015; #*Invited speaker and skills transfer session*: (15) Corneal suturing and other basic techniques, talk on Surgical management of corneal infections.

##### International

- 31<sup>st</sup> Asia-Pacific Academy of Ophthalmology Congress, China, March 2016; #E-*Poster presentation* (1) Effect of Collagen Cross-Linking on Keratocyte Viability and Proliferation in corneal lentules harvested after SMILE; #*Invited Talk* (2) Diagnosis and clinical presentation in infectioaus scleritis #(3)Session chair.
- Update on Corneal diseases, Al Nadha Hospital, Oman, February 2016; #*Invited speaker* (4) Microbial keratitis, Eye banking.
- Global Association of Eye Bank Associations, San Diego, April 2015; #*Invited faculty* (5) Success story of 20000 transplants.
- World cornea congress VII and ASCRS meeting, San Diego, USA. April 2015; #*Free paper* (6) DSEK versus PK.
- International Ocular inflammation Society meeting, San Fransisco, April 2015; #*Poster presentations* (7) OSSN masquerade as necrotising scleritis, CMV enodthelitis in 6 cases.

#### Raja Narayanan

##### National

- Vidarbha Ophthalmological Society, Nagpur, March 2016; #*Guest Lecture* (1) Current concept of combination treatment with PDT and anti-VEGF in

- AMD; #*Invited talk* (2) Management of BRVO (3) Basic interpretation of OCT.
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #*Invited talk* (4) 27 gauge vitrectomy in Boston Keratoprosthesis; (5) Pharmacologic vitrelysis (6) Microscope induced photic injury (7) Management of nucleus drop.
- Hyderabad Ophthalmic Association, January 2016; #*Invited talk* (8) Update on DME management.
- VRSI, Kumarakom, December 2015; #*Invited talk* (9) Novel pharmacotherapies in Retina.
- Eylea Advisory Board, Mumbai, November 2015; #*Invited talk* (10) VIEW 1 and VIEW 2 analysis.
- Ophthalmic Society of West Bengal, Kolkata, November 2015; #*Invited talk* (11) Zaltrap in AMD.
- RETNET annual meeting, Delhi, October 2015; #*Invited talk* (12) Subretinal tPA for massive subretinal hemorrhage with retinal detachment.
- Indian AMD, Delhi, August 2015; #*Invited talk* (12) Outcomes of Zaltrap.
- CME, Pune, June 2015; #*Invited talk* (14) Interpretation of OCT.
- CME, Narayana Nethralaya, Bangalore, April 2015; #*Guest Lecture* (14) Vitreomacular interface disease and anti-VEGFs.
- CME, Narayana Nethralaya, Bangalore, April 2015; #*Invited talk* (15) Surgical management of DME.
- Delhi Ophthalmologic Society, April 2015; #*Invited talk* (16) Management of BRVO.
- ISB, Hyderabad, March 2016; #*Guest lecture* (17) Operations in Outpatient Department.

##### International

- Ophthalmic Society of Bangladesh, Dhaka, March 2016; #*Invited talk* (1) Management of DME based on Protocol I of DRCR network (2) Emerging treatments for retinal diseases; Guest lecture (3) Management of BRVO.
- American Society of Retina Specialists, Vienna, July 2015; #*Guest Lecture* (4) Chandelier assisted scleral buckling surgery.

#### Sameera Nayak

##### National

- Retnet India 2015, New Delhi, October 2015; #*Presentation* (1) Late onset retinal degeneration(LORMD)
- Paediatric Eye and Systemic Disease, KVC Campus, LVPEI, Vijayawada; March 2016; #*Presentation* (2) Screening of retinopathy of prematurity
- Andra Pradesh Retina Forum CME, Vijayawada, April 2016; #*Presentation* (3) Presumed ocular tuberculosis

##### International

- Annual Convention, International Neonatology Association, Bhubaneswar, December 2015; #*Invited speaker* (1) Anti vascular endothelial growth factor in retinopathy of prematurity.

#### Kumar Nishant

##### National

- Inflammatio, International Colloquium of Intraocular Inflammation, Sankara Nethralaya, Chennai, March 2016; #*Presentation* (1) Diagnostic Challenge in a case of primary vitreo-retinal lymphoma masquerading as bilateral panuveitis.

#### Tapas Ranjan Padhi

##### National

- NEOCON, Bhubaneswar, December 2015; #*Invited faculty* (1) symposium on Retinopathy of Prematurity (2) Retinopathy of Prematurity-Where are we? #*Poster presentation* (3) Universal newborn eye screening: A pilot study (4) Retinopathy of Prematurity screening in reverse Kangaroo Mother Care: A pilot study.
- Annual conference Odisha state Ophthalmology Society, Bhubaneswar, July 2015; #*Invited faculty* (5) Role of electrodiagnostics in the diagnosis and management of retinal diseases.

##### International

- Annual conference ARVO, Denver, May 2015; #*Poster presentation* (1) Choroidal neovascular membrane in pediatric subjects: Clinical characteristics and outcome.

#### Muralidhar Ramappa

##### National

- Pediatric eye in systemic diseases CME, LVPEI Vijayawada, March 2016; (1) #*Panelist*.
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #*Paper presentations* (2) Clinical spectrum of primary congenital aphakia (CPA) our experience at a tertiary eye care center (3) Morphometric and densitometric analysis after EK in CHED children (4) Outcomes of PK in cases of Primary Congenital Glaucoma: Two Decades of our experience (5) Corneal endothelium in Xeroderma pigmentosum: Clinical specular microscopy study (6) Penetrating Keratoplasty in Children with High Risk Corneal Conditions:

**Challenges and Outcomes (7)** Endoilluminator for Anterior Segment Diagnostic and Surgical Interventions.

- Workshop, Corneal procedures, LVPEI Bhubaneswar, January 2016; **(8) #Instructor**.
- The enigma of the sixth layer, LVPEI Bhubaneswar, January 2016; **#Invited speaker (9)** DSEAK in special situations.
- AIOC CME 2105, Hinduja hospital, Mumbai, December 2015; **#Talk (10)** Manifestation and management of Herpetic Eye Diseases; **#Invited Expert Panelist, live webinar-5 (11)** Practical approach to corneal ulcers.
- APOS-SROC, Tirupati, October 2015; **#Invited faculty (12)** Management of Post LASIK Infections.
- TSOS meeting, Karimnagar, June 2015; **#Conducted and chaired symposium (13)** Pediatric cataract surgery in special situations; **#Free-paper (14)** Morphometric and Desitometric analysis after non-Descemet Stripping Endothelial Keratoplasty (nDSEK) in children with Congenital Hereditary Endothelial Dystrophy (CHED), **(15)** Role of Immune-modulation with Systemic Cyclosporine-A (CsA) after High Risk penetrating keratoplasty (PKP) in children **#Video presentation (16)** Holistic approach to pediatric cataract surgery and DSEK in children.
- Cornea Club meeting, Location, April 2015; **#Presentation (17)** Various techniques of deep anterior lamellar keratoplasty and highlighted the outcomes of OVD bubble assisted lamellar keratoplasty.

#### International

- AAO, Annual Meeting, Las Vegas, May 2015; **#Poster presentations (1)** Outcomes of Penetrating Keratoplasty in Cases of Primary Congenital Glaucoma: Two Decades of Our Experience **(2)** Newborn Glaucoma With Imperforate Pupil **(3)** Utility of Endoilluminator for Anterior Segment Diagnostic and Surgical Interventions **(4)** Morphometric and Densitometric Analysis After Non-Descemet-Stripping Endothelial Keratoplasty in Children With Congenital Hereditary Endothelial Dystrophy **(5)** Clinical Spectrum of Primary Congenital Aphakia: Our Experience at a Tertiary Eye Care Center.

#### Aparna Rao

##### National

- OSOCON, Sambalpur, Odisha, November 2015; **#Presentation (1)** Updates on glaucoma surgery.
- Glaucoma Society of India, Mumbai, October 2015; **#Presentation (2)** Pseudoexfoliation syndrome-known and the unknown.

#### International

- World Ophthalmic Congress. Guadalajara, Mexico, Feb 2016; **#Invited speaker (1)** Vascular changes in glaucoma- cause or effect?; Invited Chair **(2)** Vasospasm and Ocular blood flow in Glaucoma **(3)** Glaucoma Surgery and disease evaluation; Free Paper **(4)** Performance of Central Field Index Versus Visual Field Index in Moderate and Severe Glaucoma in Eyes with Central Fixation Involvement; Poster **(5)** Repeated disc haemorrhage in a patientwith normal tension glaucoma status postrenal transplant.

#### Gullapalli N Rao

##### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; **#Academia Ophthalmologica Internationalis Symposium; Chair (1)** Ophthalmology - Some Global Perspectives
- ISB, Hyderabad, Executive Education Programme, January 2016; **#Talk (2)** Interaction with Industry Leaders; Operationalising Excellence in Healthcare Delivery with Equity
- 25 Years of Eye Bank Association of India, Felicitation on the Silver Jubilee of Eye Bank Association of India, October 2015; **#Keynote Lecture (3)** Are we making Eye Banking more complex than it is?
- Managing Network of Eye Care Facilities, Aravind Eye Care System, Madurai, October 2015: **#Session talks (4)** Leveraging Vision Centres for Universal Eye Health - LVPEI Model **(5)** Current Practices - a brief; what works well and what does not work well
- Lions SightFirst Meet, LVPEI, Hyderabad, April 2015; **#Guest Speaker (6)** LVPEI

#### International

- WOC, Mexico, February 2016; **#Talk (1)** Fundraising for Institutional Building – My Experience **(2)** Experience from India – The role of the Health System Approach for securing resources through evidence based advocacy **(3)** Cataract management as part of Comprehensive eye care **(4)** Advancement of Practitioner Competencies **(5)** Lessons from the field: Aiming at Perfection – How the Teamwork dramatically changed the eye care provision in India
- International Consultation on Priorities for Prevention of Visual Impairment, WHO Head Quarters, Switzerland, September 2015; **#Presentation (6)** Comprehensive Eye Care Services
- 40 Years of Academia Ophthalmologica Internationalis (AOI), Belgium, June 2015; **#Session Chair (7)** Eye care delivery in South East Asia **(8)** 20,000

corneal transplants in a developing country.

- Juntendo University, Japan, April 2015; **#Presentation (9)** The Journey of LVPEI.

#### Suryasnata Rath

##### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; **#Instruction course (1)** Relieving Epiphora. Endonasal DCR without endoscope - ? Possible **(2)** Eyelid Reconstruction step by step. How does AJCC staging help?

#### Varsha Rathi

##### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; **#Invited talk (1)** Meibomian gland dysfunction and contact lens.
- Keracon 2015, Cornea Society of India, Kolkata, December 2015; **#Paper Presentation (2)** KOH mount as an aid in the management of infectious keratitis at Secondary centre.
- Vision 2020 India's 11<sup>th</sup> Annual Conference, Moradabad, June 2015; **#Presentation (3)** Systems for Quality Assurance in Secondary Centres.

#### Vanita Pathak-Ray

##### National

- Glaucoma CME, LVPEI Hyderabad, March 2016; **#In-house faculty (1)** Medical management of glaucoma.
- ERUDIO, PGI, Chandigarh, January 2016; **#Talk (2)** Bleb management following Trabeculectomy.
- VISTA, HOA, Hyderabad, January 2016; **#Panel discussion (3)** Medical management of glaucoma.
- Eye PEP, LVPEI Hyderabad, November 2015; **#In-house faculty (4)** Bleb management in glaucoma.
- Silver Jubilee meeting of the Glaucoma Society of India, Mumbai, October 2015; **#Talk (5)** Clinical interpretation in perimetry **(6)** Management of cataract and glaucoma in uveitis; Poster presentation **(7)** Pilot study of phaco-endocyclophotocoagulation in angle closure disease – potential for paradigm change; **#Video presentation (8)** Phaco-Endophotocoagulation: relevance in angle closure disease!,
- Glaucoma Drainage Implant workshop, September 2015; **#In-house faculty (9)** Implants in various situations: all that you want to learn from experts.
- GSI-GIEP, Davangere, September 2015; **#Talk (10)** Grand Rounds in Glaucoma **(11)** Management of Glaucoma Suspect.
- 4<sup>th</sup> ARVO-IERG, Hyderabad, July 2015; **#Paper presentation (12)** Rescue of failing or failed trabeculectomy blebs with needling and adjunctive mitomycin C in Indian eyes – 2 year results.

#### International

- 8<sup>th</sup> International Congress of Glaucoma Surgery meeting, Oman, February 2016; **#Poster presentation (1)** Pilot study of phaco-endophotocoagulation in angle closure disease – potential for paradigm change
- 6<sup>th</sup> World Glaucoma Congress, Hong Kong, June 2015; **#Talk (2)** Optic disc drawing; **#Poster presentation (3)** Rescue of failing or failed trabeculectomy blebs with needling and adjunctive mitomycin C in Indian eyes; **#Video presentation (4)** Phaco Endocycloplasty – a novel technique in angle closure secondary to ring irido-ciliary cyst.

#### Niranjan Pehere

##### National

- CME, Sandhya Eye Hospitals, Vijayawada, December 2015; **#Presentation (1)** Pediatric cataract: a practical approach
- CME, Pediatric Ophthalmology, Eye on Future, LVPEI, Bhubaneswar, July 2015; **#Presentation (1)** Paralytic strabismus **(2)** Evaluation of pediatric cataract.

#### International

- 3<sup>rd</sup> WCPOS, Spain, September 2015; **#Moderator (1)** Poster Village Low vision, CVI and screening; **#Poster (2)** Cognitive visual dysfunction in children with CVI: a tool for assessment and planning management strategies **(3)** Cataract in children with diabetes; **#E-poster (4)** Management of congenital horizontal tarsal kink with congenital nasolacrimal duct obstruction and congenital corneal ulcer in a neonate; **#Video presentation (5)** Testing visual acuity in preverbal children **(6)** Using the 'street play' as a mass communication medium for eye health education **(7)** Voluntary nystagmus: Yes it is possible!

#### Jagadesh C Reddy

##### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; **#Poster Presentation (1)** Clinical outcomes of Penetrating and Deep Anterior Lamellar Keratoplasty procedures in Keratoconus; **#Paper presentation (2)** Outcomes of

- Descemetopexy for Double Anterior Chamber After Deep Anterior Lamellar Keratoplasty; #Video presentation (3) Restoration of 'SMILE'.
- VISTA-2016, 20 years celebration of Hyderabad Ophthalmologists association, Hyderabad, January 2016. #(4) Panelist
- KOSCON-2015, Dharwad, November 2015; #Invited talk (5) Early diagnosis of corneal ectasia and progression (6) Femtosecond assisted anterior lamellar keratoplasty.
- Eye PEP, LVPEI Hyderabad, November; #Invited speaker (7) Biometry and IOL power calculation (8) Pediatric Corneal diseases; Master class (9) What's new in Cornea?
- TSOS, Annual Conference, Karimnagar, June 2015; #Chair (10) G Ramachandra Rao symposium, Keratoconus - the next big thing?, CHAIR of Symposium:Diagnosis of keratoconus progression with precision; (11) Sharath Babu symposium: Femto second laser assisted phaco: How does it help?; #Instruction course (12) OCT In cornea practice; #Master class (13) Cameraman Ganga Tho Rambabu: Photography in the clinic- Slit lamp photography.

#### International

- ASCRS- World Cornea Congress VII (WCCVII), San Diego, April 2015; #Instruction Course (1) Management of Anterior Stromal Corneal Opacity: Video-Based Learning; #Free paper (2) Spontaneous attachment of detached descemet's membrane after cataract surgery: Role of visante anterior segment optical coherence tomography in predicting visual outcome-presenting; #Poster presentation (3) Comparison of Corneal Thickness by Dual Scheimpflug Analyzer and Ultrasound Pachymeter in Ectatic and Myopic Eyes (4) Utility of Clinical and Topographic Features in Predicting Acute Corneal Hydrops in Keratoconus Patients (5) Clinico-Microbiological Profile of Bacterial Keratitis in Shield Ulcers (6) A rare Case of Central Corneal Dermoid: Clinico-Pathological and Immunocytochemistry Analysis; (7) Clinical Outcomes and Risk Factors for Graft Failure After Keratoplasty for Macular Corneal Dystrophy.
- WSPOS, Barcelona, Spain, September 2015; #Invited talk (8) Sutureless anterior lamellar keratoplasty in children (b) Ocular Surface disease and Stem cells.

#### Mamatha M Reddy

##### National

- Oculoplastics Association of India, Annual meeting. December 2015; #Invited talk (1) Research in Retinoblastoma - The Future.

#### Ashutosh Richhariya

##### International

- The Department of Mathematics, Chemical and Biological Engineering, The University of British Columbia, Canada; #Invited talk (1) Imaging and simulations for Opto-Mechanics of the eye.

#### Aravind Roy

##### National

- Zonal CME, Pinnamneni Siddharth Institute of Medical Sciences and Research Foundation, Vijayawada, March 2016; #Invited talk (1) Corneal Topography (2) Corneal trauma and management.
- Invited Speaker. Ocular Surface Workshop III, LVPEI Hyderabad, March 2016; #Invited talk (3) Amniotic Membrane in Surgical Management of Chemical Injuries.
- The Enigma of the Sixth layer, LVPEI Bhubaneswar, January 2016; #Invited talk (4) Amniotic membrane transplantation: Current Scenario.
- Cornea and lamellar surgery Workshop, LVPEI, Bhubaneswar, January 2016; #Talk (5) AMG: Current scenario.
- 3rd Annual Cornea society of India meeting, Keracon, Kolkata, December 2015; #Poster presentation (6) Post LASIK interface fluid syndrome (7) Corneal Manifestations in retained bee sting Injuries.
- CME, Sandhya Eye Hospital, Vijayawada, December 2015; #Invited talk (8) Corneal topography in cataract & refractive surgery.

#### Sanhita Roy

##### National

- UK-MRC-DBT Workshop on Polymeric materials in ocular drug delivery, Hyderabad, March 2016; #Invited talk (1) Antimicrobial peptides mediated host defense during bacterial keratitis.
- 8th Young Investigator's Meet 2016, Gurgaon, February March 2016; #Invited participation (2) Th17 cytokines and antimicrobial peptides mediated host defense during microbial keratitis.
- All India Cell Biology Conference, Trivandrum, December 2015; #Poster presentation (3) Deciphering the role of antimicrobial peptides in Pseudomonas induced corneal infection.
- ARVO-IERG, LVPEI, Hyderabad, July 2015; #Oral Presentation (4) SLC4A11 regulates antioxidant signaling in corneal endothelial dystrophy

- Dept of Biochemistry, University of Karnataka, Dharwad, May, 2015; #Guest Speaker (5) Innate immune responses during bacterial keratitis.

#### Praveen Joseph S

##### National

- All India Cell Biology conference, Trivandrum, December 2015; #Poster presentation (1) Characterization of human RD3 promoter for the construction of retina-specific gene expression cassette.

#### Virender Sachdeva

##### National

- Pediatric Eye in Systemic Diseases, LVPEI KVC Campus, March 2016; #Invited talk (1) Recurrent cranial nerve palsy with vaccination.
- 74th AIOS, Kolkata, February 2016; #Invited talk (2) Clinical approach to evaluation of optic Atrophy- Neuro-ophthalmology IC; #Free paper presentation (3) Bilateral Occipital lobe infarcts: Clinico-etiological profile of patients seen at a tertiary eye care centre; (4) Evaluator, Abstracts for Neuro-ophthalmology free papers,
- Looking Beyond the Eye, LVPEI Bhubaneshwar- Brahampur Campus, January 2016; #Invited talk (5) Neuromyelitis Optica- an ophthalmologists' perspective.
- Synapse, International meeting of Neuro-ophthalmologists, Sankara Foundation, Chennai, January 2016; #Presentation (6) Challenging cases in neuro-ophthalmology; #Debate presentation (7) Do you treat or not in Non-arteritic ischemic optic neuropathy.
- Monthly meeting, Hyderabad Ophthalmological Society, October 2015; #Invited talk (8) Current Concepts in Amblyopia management (9) Making Sense of Neuroimaging Techniques (10) Basics of Strabismus Surgery.
- Dakhsin Netra, 1st Annual meeting, Andhra Pradesh Ophthalmological Society, Tirupati, October 2015; #Invited talk (11) Neuroimaging in Neuro-ophthalmology (12) Challenging Neuroimaging cases' in at Neuro-ophthalmology IC (13) Re-operations in Strabismus; #Co-instructor (14) Challenging cases in Neuro-ophthalmology Symposium (15) Current Perspectives in Neuro-ophthalmology; #Chief Instructor (16) Strabismus Pot-pori and Garden Variety.
- CME, Looking Beyond the Eye – IV (in house meeting), LVPEI Visakhapatnam, July 2015; #Case presentation (17) Pediatric Ophthalmoplegia (18) Myasthenia with coexistant TB (19) Bilateral Occipital lobe infarcts (20) Neuromyelitis Optica (21) Recurrent cranial nerve palsy with vaccination; #Invited talk (22) Neuromyelitis Optica- an ophthalmologists' perspective (23) #Chief Organizing Secretary.
- CME, Eye on the Future, LVPEI Bhubaneswar, July 2015; #Invited talk (24) Making Sense of Neuroimaging Techniques (25) Current Concepts in Amblyopia management.
- 1st Annual meeting, TSOS, Karimnagar, June 2015; #Invited talk (26) Basics of Strabismus Surgery at Strabismus IC; #Poster presentation (27) Visual impairment due to Split Brain with boat shaped head: Schizencephaly with scaphocephaly

#### Srikant Sahu

##### National

- The enigma of the sixth layer, LVPEI Bhubaneshwar, January 2016; #Invited speaker (1)
- Workshop on corneal procedures, LVPEI Bhubaneshwar, January 2016; #Instructor (2)

#### Virender S Sangwan

##### National

- Amity University, Symposium on stem cell therapy, Gurgaon, February 2016; #Invited faculty (1) Sustaining hope and Restoring Sight Using Stem cells.
- Wellcome Trust advisory board meeting, Hyderabad, February 2016; #Invited speaker and poster presentation (3) Synthetic membrane for LSC cultivation.
- 10th Anniversary, LVPEI Bhubaneswar Campus, January 2016; #Invited faculty: (2) What is new in LSC and participated in symposium on "Enigma of the Sixth layer"
- MIT workshop Nashik, July 2015; #(4)Mentor
- MIT workshop, LVPEI Hyderabad, July 2015; #Organizer and Talk (5) Update on Srujana since inception
- OS-KON, Chennai, July 2015; #Invited faculty (6) SLLET- clinical outcomes

##### International

- Update on Corneal diseases, Al Nadha Hospital, Oman, February 2016; #Invited faculty (1) Ocular surface in disease & health, Complications of PKP, Boston Type I Kpro beyond PKP and limbal stem cell outcome
- Meeting and discussions with Tej Kohli Foundation and Ferrentis, London, February 2016; #Participating member: (2) Biosynthetic Cornea IP related

issues and future plans.

- Ocular Immunology Society Congress, San Francisco, September 2015; #Invited faculty (3) Extra Ocular Tuberculosis: Imaging and Histopathology, Clinical trials in Limbal stem cell transplantation
- TFOS DEWS II meeting, member steering committee and member subcommittee on Iatrogenic Dry eye, San Francisco, September 2015; #Talk (4) Conjunctival Surgery and Dry Eye
- Indonesia National Ophthalmic Society, Annual meeting, Bandung, August 2015; #Invited faculty: (5) Drug delivery for uveitis - what is new? (6) Cataract Surgery in Uveitis (7) Medical Management of Uveitis

### PremNadhini Satgunam

#### National

- CME, Ahalya Eye Institute, Palakkad, March 2016; #Invited talk (1) Pediatric Perimeter.
- INSA-Leopoldina Symposium "Brain and Eye", Hyderabad, February, 2016; #Invited talk (2) Charles Bonnett Syndrome: Prevalence at a Tertiary Eye Care Centre.
- Elite School of Optometry's International Vision Science and Optometry Conference, Chennai, August 2015; #Invited Talk (3) Evaluation and Management of Hemianopia.
- ARVO-IERG, Hyderabad, July 2015; #Presentations (4) Vision screening results for 1984 Bhopal gas disaster survivors.

### Swati Singh

#### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Free paper (1) Anterior Segment Optical CoherenceTomography (ASOCT) in Ocular surface squamous neoplasia. (2) Demographyand clinical presentations in congenital contracted sockets: an Indian study of 311 eyes; #Poster (3) Anterior segment optical coherence tomography of proximal lacrimal system in punctal stenosis
- OPAL, Bhubaneswar, January 2016; #Free paper (4) Anterior Segment Optical Coherence Tomography (ASOCT) in Ocular surface squamous neoplasia; #E poster (5) Anterior segment optical coherence tomography of proximal lacrimal system in normal and punctal stenosis
- TSOS, Annual meeting, Karimnagar, June 2015; #Video presentation (6) Congenital anophthalmia; #Presenter (7) Lacrimal instruction course on CNLDO and NENDCR

### Senthil Sirisha

#### National

- Glaucoma Basic Course, LVPEI Hyderabad, March 2016; #Talk (1) Surgical management of Glaucoma: Video based discussion.
- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Free paper (2) Outcomes of PK in cases of Primary Congenital Glaucoma: Two decades of our experience; #Instruction Courses (3) Neonatal corneal clouding: Differential diagnosis and management of newborn glaucoma (4) Management of coexisting cataract and glaucoma: tips, tricks and tactics; #Poster presentations (5) Updates - Managing intractable glaucoma made easy with tubes and valves (6) Ophthalmic debate - 2 (Glaucoma)
- Glaucoma Implant workshop, LVPEI Hyderabad, September 2015; (7) Conducted workshop.
- Eye-PEP 2015, LVPEI Hyderabad, October 2015; #In-house faculty (8) It's the time to Disc-o.
- 1<sup>st</sup> TSOS, Karimnagar, June 2015; #Instruction courses (9) Chair: Challenges in Glaucoma: Learning with cases (10) #Co-Chair: EeMaayaChesave: Disc Evaluation – Clinical Disc Evaluation; #Video presentation (11) Preparation of donor sclera patch graft (12) Managing giant overhanging bleb.

#### International

- 31<sup>st</sup> APAO, Taipei, March 2016; #Poster presentation (1) Outcomes of Ahmed Glaucoma Valve Implantation in the Management of Refractory Pediatric Glaucomas; #Video presentation (2) Glaucoma Drainage Implant in an Eye With Preexisting Scleral Buckle and Secondary Glaucoma.
- NTG Symposium, Taipei, March 2016; #Invited Speaker (3) Progressing NTG, are we missing something?
- 25<sup>th</sup> Ologen Symposium, Taipei, March 2016; #Invited Speaker (4) Clinical follow up of RCT in India: Comparison of ologen and trabeculectomy with mitomycin C in Primary glaucomas.
- 6<sup>th</sup> Annual National conference & 1<sup>st</sup> International Glaucoma Meeting, Dhaka, December 2015; #Invited speaker (5) Static & Dynamic Gonioscopy (6) How to manage advanced POAG medically? (7) Step by step of performing good Trabeculectomy (8) Glaucoma in disorders of the ocular surface; Moderator (9) Advanced POAG: Medical treatment is better than Surgical treatment
- 3<sup>rd</sup> WCPOS, Spain, September 2015; #Invited speaker (10) The profile of childhood glaucoma in India (11) Strategies for the management of Refractory paediatric glaucoma.
- 6<sup>th</sup> World Glaucoma Congress, Hong Kong, June 2015; #Instruction Course (12) The changing face of Trabeculectomy: Audience Interaction

& Standard Trabeculectomy (Fornix or limbus based conjunctival flap, Triangular scleral flap) (13) Evaluating optic disc with a critical eye!: Evaluation of a glaucomatous optic disc; #Poster presentation (14) Can limbal or scleral Tonpen intraocular pressure measurements predict central corneal Goldmann applanation tonometry readings?; #Video presentations (15) How can you make trabeculectomy safe and effective? (16) Trabeculectomy with Ologen Implant (17) Management of a giant overhanging bleb.

### Swapna Shanbhag

#### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Paper presentations (1) In-Vivo Characterisation of Normal and Abnormal Limbal Morphology and its Clinical Implications; Poster presentation (2) Chronic Ocular Sequelae of Stevens-Johnson Syndrome: A Prospective Study.

### Savitri Sharma

#### National

- 22<sup>nd</sup> IERG-ARVO-IC, Annual meeting, LVPEI Hyderabad, July 2015; #Oral Presentation (1) Epidemic keratoconjunctivitis can be polymicrobial.

#### International

- Department of Genetics, Molecular Biology and Molecular Pathogenesis of Infections, University of Cinvestav, Mexico, February 2016; #Guest lecture (1) Research in Eye Infections: A journey of over two decades.
- WOC, Mexico, February 2016; #Course Instruction (2) Parasitic Keratitis-Laboratory Diagnosis (3) Infectious keratitis: recent developments in diagnosis, and Management- Laboratory Diagnosis of infectious keratitis; e-poster (4) PCR-Based Evidence of Bacterial and Fungal Involvement in Eyes with Suspected Intraocular Infection

### G Chandra Sekhar

#### National

- 8<sup>th</sup> Glaucoma workshop, Chandigarh, March 2016; #Guest faculty (1) 10<sup>th</sup> Founder's Day Oration lecture: Understanding and improving Clinical Acumen (2) Nuances in the interpretation of Perimetry.
- VISTA-2016, 20 years celebration of Hyderabad Ophthalmologists association, Hyderabad, January 2016; #Keynote speaker (3) Principles of Medical Management of Glaucoma (4) Panel discussion: Medical management for a General Ophthalmologist.
- 25<sup>th</sup> Glaucoma Society of India, Mumbai, October 2015; #Co Chaired Session (5) Innovation in Glaucoma and its future (6) Overseas Training Importance and Relevance for India; #Keynote address (7) Role of clinical skills in glaucoma; #Speaker debate session (8) The Premiere league debate; #Presentation (9) Epidemiology-clinical applications of epidemiological studies - The Andhra Pradesh Eye Disease Study; #Instruction course (10) Evaluation for glaucoma progression; Clinical Decision on Progression (11) Management of surgical complications (13) The Great Grand Rounds; #Plenary Session (14) Small Tips with Big Clinical Implications; Common errors in glaucoma diagnosis (15) #Free paper judge.

- Global Health Impact Investing Networking Workshop, Mumbai, September 2015; #Invited faculty (16) Importance of eye care
- Glaucoma Implant workshop, LVPEI Hyderabad, September 2015; # (17) In-house faculty.

- Ophthalmological Society of West Bengal Glaucoma CME, Kolkata, September 2015; #Invited faculty (18) Principles of management of Glaucoma (19) Interactive case discussions on glaucoma management & Q&A session.

- TSOS meeting, Karimnagar, June 2015; #Invited faculty (20) Progressive Advanced Glaucoma with High IOP Despite MMT with Risk of wipe out (21) Ye Maaya Chesave - Disc evaluation imaging in disc evaluation; #Instruction Course; Co Chair (22) Challenges in glaucoma: Learning with cases.

- APOS, Dakshin Nethra, City, 2015; #Keynote address (23) Modern Investigative modalities are not a replacement for clinical examination in the diagnosis of Glaucoma; #Lecture - Plateau iris syndrome; (24) #Free paper session convener; (25) #Breakfast Sessions - Meet the Experts; #Instruction course (26) Clinical Clues; Disc analysis and Documentation in glaucoma - best practices (27) Tackle the Tough; NTG - how to investigate & treat??

- Ophthalmological Society of Assam, Annual Conference, Guwahati, November 2015 (28) Chairperson; #Key note address (29) Optic Disc Evaluation; #Lecture (30) Gonioscopy tips (31) Principles of PACG Management.

#### International

- WOC, Mexico, February 2016; #Invited speaker (1) Symposium - Intraocular pressure (IOP) Measurement in 2016 - IOP and Glaucoma Damage: Gaps in Our Knowledge.
- Bangladesh Glaucoma Society, 6<sup>th</sup> Annual National Conference, Bangladesh, December 2015; #Invited speaker (2) Nuances in the

- interpretation of visual fields **(3)** Insights into angle closure disease **(4)**
- Update on management of neovascular glaucoma; #Special Talk **(5)** Patient centric glaucoma care; #Session lecture **(6)** Management of Primary Angle Closure Glaucoma; **(7)** Management of Primary Angle Closure Glaucoma.
- World Sight Day celebration, WHO, Geneva, October 2015; #Invited speaker **(8)** Exploring partnership
- 6<sup>th</sup> World Glaucoma Congress, Hong Kong, June 2015; #Invited speaker **(9)** Glaucoma Diagnosis: Technology versus clinical judgment; #Chaired session (Course) **(10)** Evaluating optic disc with a critical eye!

#### S Shivaji

##### National

- Science Academy sponsored Lecture-Workshop for school and college teachers at Telangana University, Dichpally, Nizamabad, March 2016; #Lead speaker **(1)** Conservation of Indian wild life using biotechnological approaches.
- Brain storming session on Search for extraterrestrial life, Organized by ISRO at NCCS Pune, March 2016; #Lead speaker **(2)** Search for microbes in the stratosphere.
- National symposium on Exploring advances in Biological Sciences, Sardar Patel University, Ahmedabad, March 2016; #Valedictory address **(3)** Iron fertilisation of the Southern ocean, Antarctica: dynamics of bacterial population.
- Association of microbiologists of India Annual Meeting, New Delhi, December 2015; #Invited talk **(4)** Mitigation of Global Warming by Iron Fertilisation of the Southern Ocean, Antarctica.
- Refresher course for college and university teachers, Hyderabad Central University, November 2015; #Invited talk **(5)** Iron fertilisation of the Southern ocean, Antarctica: dynamics of bacterial population.
- Indian Network for Soil Contamination Research (INSCR), Department of Zoology, Delhi University, October; #Invited talk **(6)** Microbes from Cryosphere.
- International conference on NextGen Genomics, Biology, Bioinformatics and Technologies, HCC, Hyderabad, October 2015; #Chairman **(7)** NextGen Genomics, Biology, Bioinformatics and Technologies
- National conference on Aquatic Biodiversity, Guntur, August 2015; #Plenary talk **(8)** Conservation of endangered animals: genetic polymorphism, assisted reproduction and cryobanking
- Summer symposium in Biotec hnology, School of Life Sciences, University of Hyderabad, May 2015; #Invited talk **(9)** Microbial diversity of the Cryosphere.
- International Conference, Low Temperature Science and Biotechnological Advances, NBAGR, Delhi, April 2015; #Invited talk **(10)** Cold loving microbes from Antarctica, Arctic, Himalayas and Stratosphere: identity and survival strategies.
- Selection Committee, NCAOR, Goa, April 2015; #**(11)** Chairman.
- DST committee to review the status of the project at Melghat, Amravati, August 2015; #**(12)** Member.

#### Vivek Singh

##### National

- Ocular Surface Workshop-III, LVPEI Hyderabad, March 2016; #Invited talk **(1)** What happens to the stem cells after SLET?
- Bio Quest, School of Life Science, Hyderabad University, September 2015; #Poster presentation **(2)** Simple Limbal Epithelial Transplantation (SLET) and its biology: A novel technique to treat ocular damage due to limbal stem cell deficiency.
- National seminar on "Omics and Biomarker Analysis: In Disease Pathology", University of Kerala, Tiruvananthapuram, June 2015; #Invited talk **(3)** Corneal/ Limbal wound healing.

##### International

- 8<sup>th</sup> Young Investigator's Meet 2016, Gurgaon, February - March 2016; #Invited talk **(1)** SLET Biology: Its role in Corneal and Limbal wound healing.
- 13<sup>th</sup> FAOBMB Congress & 84<sup>th</sup> Annual meeting of SBC(I), Current excitements in Biochemistry and Molecular Biology for Agriculture and Medicine, BITS Pilani, Hyderabad, November 2015; #E-Poster presentation **(2)** SLET in vision restoration: New approach to limbal stem cell transplantation, its clinical impact and biology.

#### Mukesh Taneja

##### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Invited Talks **(1)** Teleophthalmology at LVPEI **(2)** Bulls Eyedrops applicator in session on Innovations in Ophthalmology **(3)** Multidrug resistant Microbial keratitis as part of Instruction course **(4)** My Innovations in Ophthalmology; #Paper Presentation **(5)** Efficacy and safety of new protocols of CXL.

#### Mudit Tyagi

##### National

- Annual Champalimaud Research Symposium, LVPEI Hyderabad, January 2016; #Presentation; **(1)** C-Tracer “: Biomarkers of Diabetic Retinopathy Progression study.
- Uvea Society of India, Pondicherry, September 2015; #Paper presentation **(2)** Sympathetic Ophthalmia following intraocular surgeries”
- TSOS meeting, Karimnagar, June 2015; #Instruction Course **(3)** Posterior uveitis.

##### International

- EURETINA, France, September 2015; #Paper presentation **(1)** Sympathetic Ophthalmia following intraocular surgeries **(2)** Posterior Segment Complications after Boston Keratoprosthesis; Video presentation **(3)** Intraoperative OCT in Vitreo retinal surgery **(4)** Retinal detachment surgery in eyes with Boston Keratoprosthesis.

#### Pravin Vaddavalli

##### National

- 74<sup>th</sup> AIOS, Kolkata, February 2016; #Invited speaker **(1)** #Symposium speaker **(2)** #Co Instructor **(3)** #Skills transfer course instructor **(4)**
- 10<sup>th</sup> annual meeting, Hyderabad Ophthalmology Association, Vista 2016, Hyderabad, January 2016; #Invited Speaker **(5)**
- Annual meeting, Baroda Ophthalmology Society, Baroda, November 2015; #Invited speaker **(6)**
- 29<sup>th</sup> Annual meeting, North Zone Ophthalmology Society, Chandigarh, October 2015; #Invited speaker **(7)**
- 39<sup>th</sup> Annual conference, Madhya Pradesh Ophthalmology Society, Ujjain, October 2015; #Invited speaker **(8)**
- Annual conference, Andhra Pradesh Ophthalmology Society, Ophthalmology Associations of South Indian States (OASIS), Tirupathi, September 2015; #Invited speaker **(9)**
- 40<sup>th</sup> Annual meeting, Indonesian Ophthalmologists Associations, Indonesia, September 2015; #Invited speaker **(10)**
- TSOS, annual meeting, Karimnagar, June 2015; **(11)** #Chairman Scientific committee
- Cornea & refractive symposium, Advaced Eye Hospital, Navi Mumbai, April 2015; #Invited faculty member **(12)** #speaker **(13)**

##### International

- Asia Pacific Users Meeting, SMILE, Bangkok, March 2016; #Invited speaker **(1)**
- Cornea Symposium, Al Nadha Eye Hospital, Muscat, Oman, February 2016; #Invited Speaker **(2)**
- World Cornea Congress V1, San Diego, CA, April 2015; #Poster presentation **(3)**
- Annual meeting, American Society of Cataract and Refractive Surgery, San Diego, April 2015; # Instructor **(4)** #Paper presentation #Poster presentation **(5)**

#### L Srinivasa Varadharajan

##### National

- ESO International Vision science and Optometry Conference (EIVOC), Chennai, August 2015; #Invited talk **(1)** Challenges in teaching optics to Optometry students.

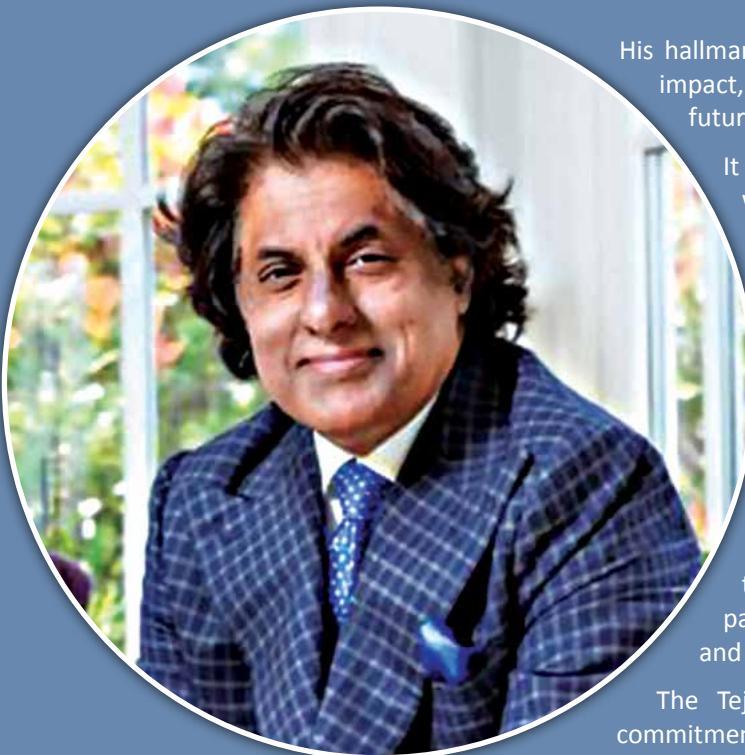
#### Jachin D Williams

##### National

- Lions Sight First Annual meeting, April 2015; #Project presentation **(1)** Sight for Kids Phase 10

# Our Support

## Mr Tej Kohli, Chairman of Kohli Ventures: Working Towards the Common Goal of Eliminating Corneal Blindness



His hallmark is passion - passion for businesses that have a global impact, young people whom he believes are the pioneers of the future, and social responsibility in the form of philanthropy.

It was this same passion that motivated Mr Tej Kohli, along with his wife Ms Wendy Kohli, to set up the Tej Kohli Foundation in 2002. The Foundation currently operates in India, Costa Rica and Africa, whilst constantly exploring new countries. An ardent philanthropist, he believes that success should not be celebrated in isolation, but by supporting those who are less fortunate.

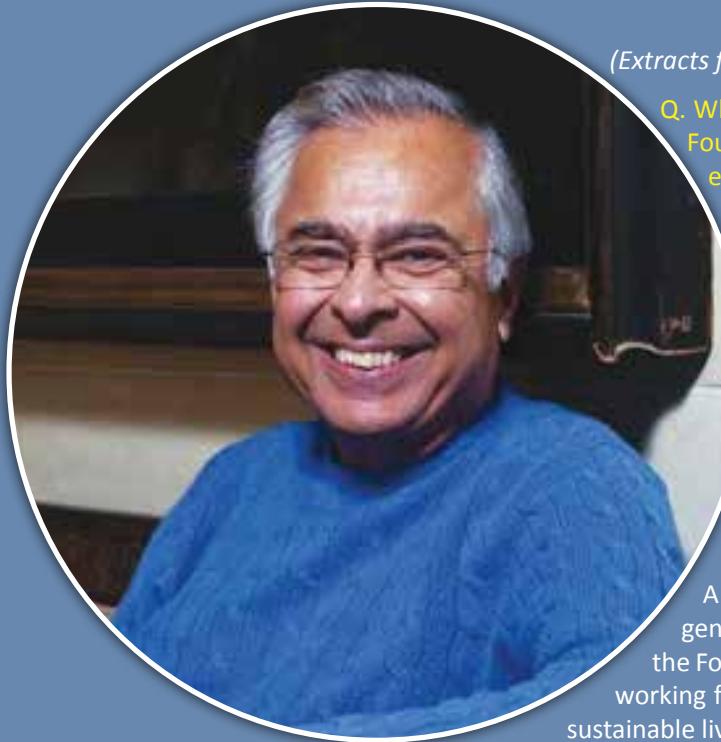
The Foundation has been ceaselessly working towards its 2030 goal of eradicating corneal blindness. In the first phase, it was instrumental in offering corneal transplants to the local communities. The second phase of eliminating corneal blindness commenced with the formation of the Tej Kohli Cornea Institute (TKCI) in partnership with LVPEI and world renowned Dr May Griffith and her team.

The Tej Kohli Foundation's support to TKCI is a long-term commitment that will move more rapidly towards eliminating the blight of blindness. The TKCI will also explore revolutionary medical advances and their wider application across the field of ophthalmology.

"Blindness is blight on the human race and has many causes. The sad truth is that many of these causes are easily preventable and treatable. In third world and developing countries blindness means exclusion. Thousands of people are obstructed from becoming valuable, contributing members of society. We must not allow this to continue in the 21<sup>st</sup> century and it is our duty to step in and support with passion, pride, hard work, and a guarantee of financial commitment," says Mr Kohli.

The image shows an invitation card with a light beige background. At the top right is the logo for LV Prasad Eye Institute (LVPEI), featuring the text "LVPEI" in a stylized font inside a circle, with the tagline "So that all may see" underneath. Below the logo, the text "LV Prasad Eye Institute" is written in a bold, serif font. Underneath that, the text "Tej Kohli Cornea Institute" is also in a bold, serif font. In the center, the word "Inauguration" is written in a large, bold, sans-serif font. Below "Inauguration", the date "December 11, 2015" is written in a smaller, bold, sans-serif font. At the bottom, the name "Shri ESL Narasimhan" is written in a large, bold, sans-serif font. Below that, the title "Honourable Governor of Andhra Pradesh & Telangana" is written in a smaller, bold, sans-serif font.

**Mr Arjun Waney, a successful business entrepreneur, founded the Savitri Waney Charitable Foundation - in the memory of his mother - with a vision to transform the lives of the poor in India and all over the world.**



*(Extracts from a conversation we had with him)*

**Q. What led to the conceptualization of the Savitri Waney Charitable Foundation? Would you like to share with us some of the early experiences of the Foundation?**

A. The Savitri Waney Charitable Foundation came into existence in 2004. Our aim is to give back to those who are less fortunate by supporting organisations committed to deliver services that enable the underprivileged to lead a dignified life. The early experiences of the Foundation are when I visited a remote village near Rishikesh in Uttarakhand State, adversely affected by an earthquake, and I pledged for the rehabilitation of the local primary school. Thereafter the Foundation grew to support other worthy causes in the field of healthcare, education and livelihoods.

**Q. What are the various programs that SWCF supports?**

A. The focus areas for SWCF are healthcare and livelihood generation for the marginalized population. Other than eye-care, the Foundation has supported various organisations across the country working for maternal and child health, mental health, palliative care and sustainable livelihood generation through natural resource development.

**Q. Your take on the quality and accessibility of eye care services in India.**

A. There are certain states like Bihar, Jharkhand, Odisha, Chhattisgarh, Jammu and Kashmir, and the states in the North East where the number of people having bilateral cataract is very high. All efforts should be made to support the existing as well as new organizations that are trying to eradicate avoidable blindness by reaching out to those who are affected and unable to afford quality eye care. Otherwise the cataract blindness backlog will continue to grow.

**Q. What motivated you to work for the cause of eye care?**

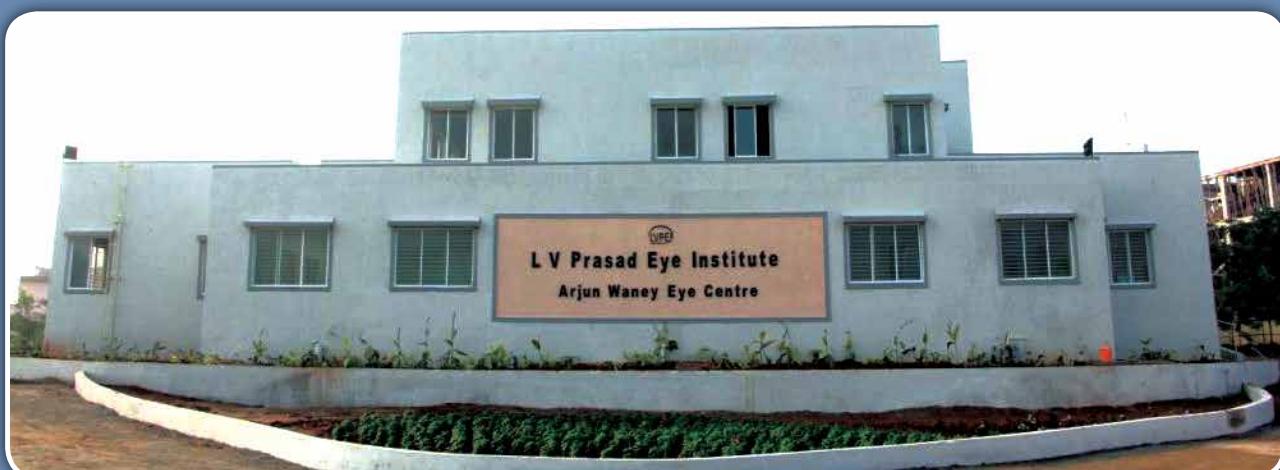
A. Cataract surgery, a relatively low cost medical intervention, can change the lives of not just the blind, but of their families as well. The benefits are instantaneous. They are also quantifiable as one can see the economic status of the entire family improve dramatically. It gives SWCF enormous satisfaction to support those organisations that serve the poor to restore their health, dignity and livelihood.

**Q. What led you to support the Arjun Waney Eye Centre at Berhampur, Bhubaneswar?**

A. Odisha is one of SWCF's target states to provide healthcare services to the deprived. LVPEI is the leading provider of eye care services and has proven that it can rise to the challenge of reaching out to those in need.

**Q. How do you see the partnership between SWCF and LVPEI in the coming years?**

A. SWCF looks forward to seeing how the hospital blossoms in Berhampur, catering to the needs of the underprivileged. A fruitful partnership has begun and is sure to continue.



# New Beginning

One of the major highlights of the year 2015-2016 was the inauguration of the spectacular looking '[Velamati Soubhagyavathamma \(VS\) Building](#)' at our Hyderabad campus. This was made possible with the generous support from our following donors:



## [Velamati Soubhagyavathamma Building](#)

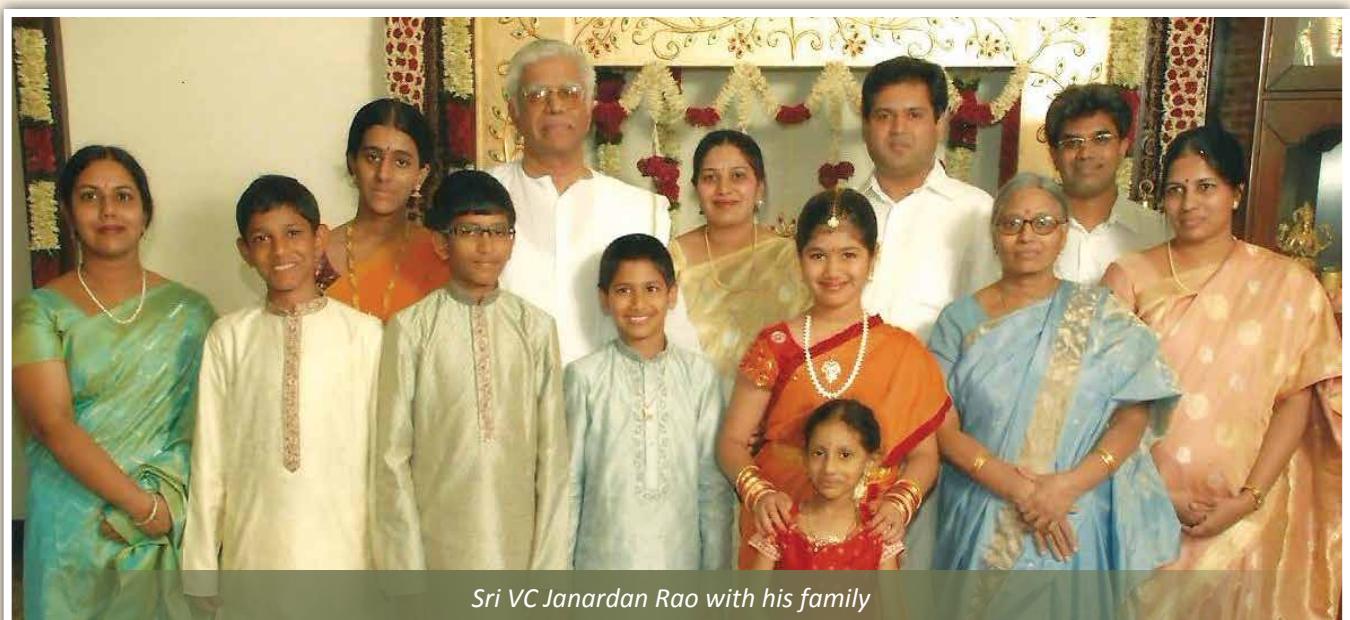


*Smt Velamati Soubhagyavathamma & her husband  
Sri Velamati Seetharamabrahmam*

Impressed by the quality of services provided at LVPEI and the commitment of the team, [Mr VC Janardan Rao](#) decided to extend his support for the growth of the institute. In recognition of his generosity, the new building is named – Smt Velamati Soubhagyavathamma after his mother. With this state-of-the-art patient care building, the patient volume of the LVPEI Hyderabad campus has increased by 75%.

A successful industrialist and a committed philanthropist, Mr Rao pioneered the manufacturing of fluid power equipment in the country. Today he has two companies - Veljan Hydraulics Ltd and Veljan Denison Ltd,

manufacturing a wide range of pneumatic and hydraulic products, which have an excellent export market.



*Sri VC Janardan Rao with his family*

## Kilaru Madhu & Prasad Floor (Ground Floor)

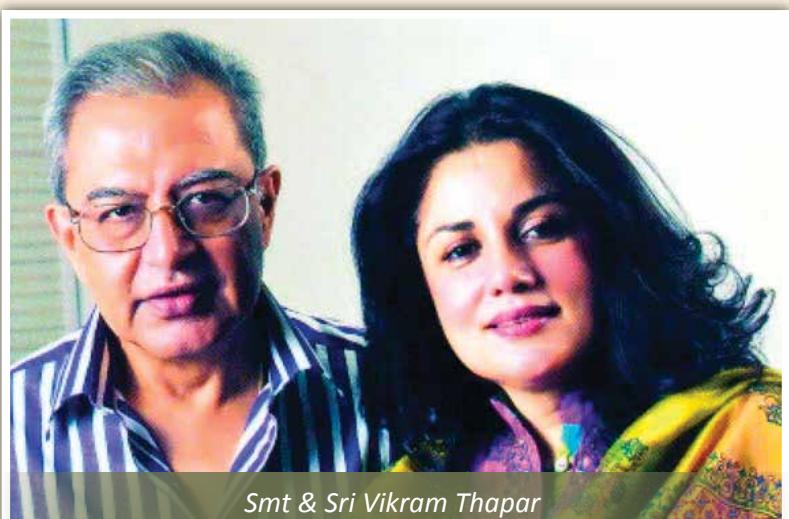
Dr Sasidhar Kilaru, a Vascular surgeon at Christ Hospital, Cincinnati, Ohio and Dr Gangadhar Prasad Kilaru, a Plastic surgeon at the East Bay Hand and Plastic Surgery Centre, California are highly acclaimed and sought after surgeons in their respective fields. Both the brothers strongly believe in sharing the fruits of their success with those who are less fortunate and extended their generous support in the name of their loving parents, Ms Madhu Kilaru and Mr Prasad Kilaru. The family's association with LVPEI dates long back and they have been a constant well wisher and supporter of the Institute. The cornea and comprehensive OPD, and the emergency service department on the ground floor of the VS building is adorned by the spectacular looking rock garden and handles on a daily basis over 350 patients.



## Shri Karamchand Thapar Floor (First Floor)



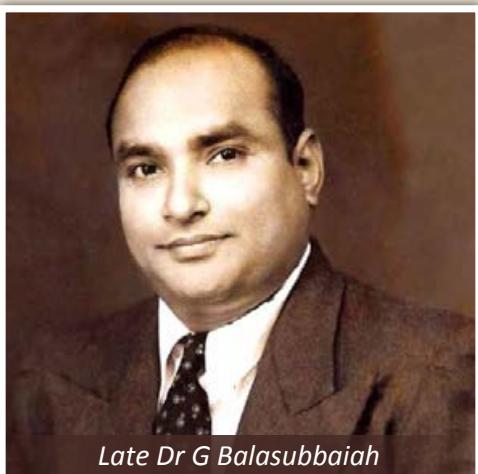
The Karam Chand Thapar Tele-education Academy at LVPEI is an outcome of the generous support extended by Mr Vikram Thapar and his family. This facility has helped interlink the entire LVPEI network through videoconferencing facility and has also enabled videoconference guest lectures by internationally renowned specialists. Till date the Thapar family continues to support the Institute's work. In recognition to their generous and continuous support, the first floor of the new building has been named after Shri Karam Chand Thapar,



grandfather of Mr Vikram Thapar. The cataract, contact lens and the refractive clinics on the first floor handles around 300 patients on a daily basis.

Mr Vikram Thapar is the Chairman and Managing Director of Karam Chand Thapar & Bros. (Coal Sales) Ltd. and Indian City Properties Ltd. He also is the Chairman of Indicon Westfalias Ltd. and The Waterbase Ltd. He sits on the Board of Governors of several DPS schools across India.

## Dr G Balasubbaiah Floor (Second Floor)



Late Dr G Balasubbaiah

The second floor of the new VS building is named after Late Dr G Balasubbaiah (1921-1966), a renowned ophthalmologist in Kurnool, Andhra Pradesh. He had a great passion and inclination for medical research. The Glaucoma and Retina out-patient department on the second floor has 6 clinics and is well equipped with the latest technology to handle approximately 450 patients on a daily basis.



Smt Goparaju Anuradha and Sri Goparaju Vara Prasada Rao

**Smt Goparaju Anuradha and Sri Goparaju Vara Prasada Rao** currently residing abroad, were delighted and eager to contribute to the development of the new VS building the moment Dr G Chandrasekhar shared with them this opportunity. Dr Chandrasekhar, Dr G Balasubbaiah's son, has been associated with the Institute since its inception and is currently a Vice Chair at LVPEI. The memorial floor in the name of Late Dr G Balasubbaiah is of world class standards and is a dream come true for his daughter Smt Goparaju Anuradha.

## Durga Devi Mandhani Floor (Third Floor)



Late Durga Devi Mandhani & Her Husband

Starting from a very humble beginning in Vizianagaram, the Mandhani Brothers - **Mr Raj Kumar, Mr Ashok and Mr Pawan**, under the able leadership of their brother **Mr Bijay Mandhani** have today established themselves as a leading name in the field of coal import, trading and coal washery in the country. They have also successfully diversified their businesses in the field of information technology, infrastructure development and solar power. With an ardent desire to give back to the society, the brothers, in the memory of their parents, established the G L Mandhani Trust. They extended their generous support in building the third floor of the VS building in the memory of their mother, Late Durga Devi Mandhani. The pediatric department on the third floor is specially designed to create a lively environment for children, and this floor also hosts the oculoplasty clinic. Around 350 patients on a daily basis avail the services provided on this floor.



Mandhani Brothers

## The Kothapalli Rama Rao Surgical Centre (Fourth Floor)

The state-of-the-art surgical centre in the VS building is supported by long term friends and supporters of LVPEI, [Mrs Meena](#) and [Mr Kishore Kothapalli](#), Managing Director Modern Roofings Ltd. The centre is named after Mr Kishore's father, Mr Kothapalli Rama Rao, one of the most active advocates of LVPEI. He invited the LVPEI team more than two decades ago to assist in the creation of a high quality rural secondary centre and that experience contributed in building of the Institute's rural eye health model in subsequent years.

The surgical centre supported by the family has 12 operating rooms, pre-operative areas and a central sterilisation facility. It has a capacity to perform 40,000 surgical procedures, including complex ones.

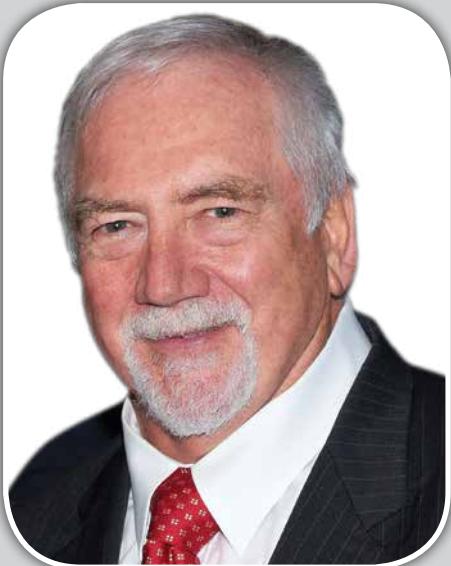


*Mrs Meena and Mr Kishore Kothapalli with their family*

*A number of other supporters of LVPEI have added substantially to the establishment of this building and to all of them we are deeply indebted.*

# Homage

The LVPEI family deeply mourns the loss of four of its biggest supporters and well wishers.



## Professor Brien Holden

Professor Brien Holden has been the biggest supporter and friend of our Institute in many ways, since the inception. He was a great visionary, an extraordinary leader, world renowned researcher and innovator, and above all an outstanding humanitarian. In acknowledgement of all his contributions, LVPEI's research centre is named after him as 'Professor Brien Holden Research Centre'.

Professor Holden's contributions extend across research, education, public health and social enterprise. His contributions have been acknowledged through a host of national and international awards and honours. He was a Professor at the University of New South Wales and CEO of Brien Holden Vision Institute, in addition to numerous other global appointments.

Professor Holden was a beloved husband, father and grandfather. The LVPEI family will greatly miss his guidance and support.

(1942 - 2015)

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## Dr APJ Abdul Kalam

India's Missile Man - Dr APJ Abdul Kalam, a great scientist and visionary - believed that science should be applied for the greater good of mankind rather than for commercial use. After serving as the President of India for five years, he returned to a life of education, writing, and public service. He received several prestigious awards, including the Bharat Ratna, India's highest civilian honor.

Our beloved Dr Kalam was a former member of our Board of Trustees. He has been our constant well wisher and our partner in all our moments of glory - the last few occasions being the inauguration of the Srujan Centre for Innovation and the 13<sup>th</sup> Secondary Centre at Rajgangpur, Odisha.

His last visit was to our Kode Venkatadri Chowdary Campus, where he dedicated the Campus to the people of Vijayawada. His motivating thoughts and speeches have inspired many of us. The death of Dr Kalam is an irreparable loss not only to the nation but also to the LVPEI family.



(1931 – 2015)

# Homage

The LVPEI family deeply mourns the loss of four of its biggest supporters and well wishers.



(1929 – 2015)

## Shri B D Sureka

Shri B D Sureka, Chairman Sureka Group and Hartex Rubber, Kolkata was an eminent industrialist and philanthropist. An astute entrepreneur by nature, he built the entire business empire with various verticals such as real estate, rubber, software incubator, etc. A source of inspiration for many, he had an impeccable personality, with strong values such as integrity, hard work, commitment and honesty defining him. He would always find time to support social causes and help those who were less privileged. Some of the key facilities at LVPEI Hyderabad and Bhubaneswar have been supported by him.



## Dr C Syamala Bhaskaran

Dr C Syamala Bhaskaran, was a renowned pathologist and educationist and was a recipient of the Dr BC Roy Award. She was involved in research work with special emphasis on cytology and was instrumental in formulating guidelines related to pathology for several associations. In honour of Dr Bhaskaran's generous support to LVPEI, the annual 'Dr C Syamala Bhaskaran Lecture' was initiated in 1995. Her legacy of the oration has given us the opportunity to hear eminent national and International speakers speak on varying aspects of vitreo-retinal diseases.

(DOD April 2016)

# Your support makes it possible for all to see

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London School of Hygiene & Tropical Medicine, UK (Dr Clare Gilbert, Dr GVS Murthy)	SightLife, USA (Dr Monty Montoya)	University of Nebraska Medical Center,USA. (Dr Iqbal Hamed)
Mexican Institute of Ophthalmology (Dr Van Lansingh)	Sightsavers, UK	University of New South Wales, School of Optometry and Vision Science, Sydney, Australia. (Prof Robert C Augusteyn / Prof Arthur Ho /Prof. Eric Papas / Dr Isabelle Jalbert / Prof Fiona Stapleton)
Massachusetts Eye and Ear Infirmary, Medical Lab, USA	Singapore Eye Research Institute, Singapore. (Prof Tin Aung / Dr Eranga Vithana)	University of North Carolina School of Medicine, Department of Cell Biology and Physiology, Chapel Hill, North Carolina, USA. (Prof Martin Joseph Costello / Dr Kurt O Gilliland)
Massachusetts Eye Research and Surgery Institution, Cambridge, Massachusetts, USA. (Dr C Stephen Foster)	Stanford Graduate School of Business, USA	University of Sheffield, Sheffield South York. (Prof Stephen Rimmer / Dr Sheila Mac Neil)
Massachusetts Institute of Technology, (Dr N M / Dr P Sinha) and Media Lab, Ramesh Rasker	SUNY School of Optometry, USA	University of Nottingham, UK
Mayo Clinic, USA. (Prof William Bourane)	Schepens Eye Research Institute, Massachusetts Eye and Ear Infirmary, Harvard Medical School. (Dr Eli Peli/Dr Gang Luo)	University of Ottawa, Canada
Moorfields Eye Hospital, UK (Dr Robin Ali)	Thadikonda Research Foundation, Inc, USA. (Dr Paul Thadikonda)	University of Pittsburgh Medical Center, USA. (Dr Jim Funderberg)
Miles Center for Pediatric Ophthalmology, Albert Storm Eye Institute, Department of Ophthalmology, Medical University of South Carolina, Charleston, South Carolina, USA. (Prof M Edward Wilson, Prof Rupal H Trivedi)	Eye Research & Technology, Australia (Prof Brien Holden)	University of Sao Paolo, Brazil. (Prof Rubens Belfort)
National Healthcare Group Eye Institute, Tan Tock Seng Hospital, Singapore (Dr Rupesh Agrawal)	The Hadley School for the Blind, USA	University of South Carolina, USA
National Foundation for Eye Research, Omaha, Nebraska, USA. (Prof Peter F Kador)	The Tun Hussein On National Eye Hospital, Malaysia	University of Southern California (Narsing A Rao)
National Institute of Ophthalmology & Hospital, Bangladesh	Tufts University of Medicine, USA	University of Toronto, Canada
National Institute of Sensory Organs, Japan (Dr Takeshi Iwata)	The Royal Australian and New Zealand College of Ophthalmologists (RANZCO) supporting HR development in Asia Pacific region, Australia (Dr Brigitte Roeder)	University of Iowa, USA. (Dr Eward Stone)
National Institutes of Health, National Eye Institutes, USA (Dr Paul Sieving)	University of Aberdeen, UK	Vanderbilt University, Department of Biochemistry, Nashville, Tennessee, USA. (Prof Kevin L Schey)
New York Eye & Ear Infirmary, New York, USA. (Prof Robert Ritch)	University of California, San Diego, USA. (Prof Robert Weinreb)	Wellcome Trust, UK. (Dr Jeam Farrar)
Northwestern University, USA	University of California Berkeley School of Optometry, Berkeley,USA. (Prof Clifton Schor / Dr Nance Wilson)	Wharton School (University of Pennsylvania), USA
Ohio State University, USA. (Dr Angela Brown)	University of Campinas, Brazil. (Dr Monica Melo)	William Beaumont Hospital, USA
Operation Eyesight Universal, Canada. (Dr Paul Dubord)	University of Sao Brazil (Dr Rubens Belfort)	Wills Eye Hospital, USA. (Dr Jerry Shields/ Dr Carol Shields)
Optometry Giving Sight, Australia	University of Florida, USA (Dr K V Chelam)	World Diabetes Foundation, Denmark
ORBIS International, USA / India (Dr Rahul Ali)	University of Heidelberg, Germany (Dr Jost Jonas)	World Health Organization, Switzerland.
OneSight Foundation, Luxottica, USA	University of Houston College of Optometry, Houston,USA. (Prof Earl Smith III)	Yangon Eye Hospital, Myanmar
Pakistan Institute of Community Ophthalmology, Pakistan	Dept of Ophthalmology, University of Kentucky, Lexington KY, USA. (Dr Jay Ambati)	
Queensland University of Technology,		

## National

ACE Experiences Asia Pvt Ltd (DiD), Hyderabad  
Action on Disability and Development India, Bengaluru  
Analinear Technologies, Hyderabad  
Ali Yavar Jung National Institute for the Hearing Handicapped, Secunderabad  
Anthropological Survey of India, Kolkata  
Aravind Eye Care System, Madurai  
Armed Forces Medical Services, Pune (Dr Venu Nair)  
Banaras Hindu University, Department of Ophthalmology, Varanasi  
Bhabha Atomic Research Centre, Mumbai. (Dr Srikumar Baveja)  
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CBR Forum, Bengaluru  
Centre for Cellular and Molecular Biology, Hyderabad. (Dr Mohan Rao)  
Centre for DNA Fingerprinting and Diagnostics, Hyderabad. (Dr J Gowrishankar)  
Centre for Human Genetics, Bengaluru.  
C L Gupta Eye Institute, Moradabad. (Dr Ashi Kurana)  
Consolidated Products Corporation Pvt Ltd, New Delhi.  
Council for Advancement of People's Action, New Delhi.  
Council of Scientific & Industrial Research, Government of India, New Delhi  
Charities Aid Foundation (Microsoft Aid Agency) New Delhi  
Department of Biotechnology, Government of India, New Delhi. (Prof S Vijay)  
Department of Science & Technology, Government of India, New Delhi. (Dr T K Chandrashekhar)

District Blindness Control Society, Hyderabad  
Dr Reddy's Laboratories, Hyderabad. (Mr G V Prasad / Mr Satish Reddy)  
Essilor India Pvt Ltd, Bengaluru  
Eye Bank Association of India, Hyderabad  
Fernandez Hospital, Hyderabad (Dr Evita Fernandez)  
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Holy Cross College, Tiruchirappalli.  
Indian Council for Medical Research, New Delhi. (Dr V M Katoch)  
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Indian Orthocane Surgicals, Chennai  
Indian Statistical Institute, Kolkata  
India Vision Institute, Hyderabad. (Mr Vinod Daniel)  
Indira Gandhi National Open University, New Delhi  
Institute of Health Systems, Hyderabad  
Institute of Life Sciences, Bhubaneswar. (Dr Satish Devadas)  
International Human Resource Development Centre, Coimbatore  
JPM Rotary Eye Hospital, Cuttack  
JP Singh Associates, New Delhi  
Kode Venkatadri Chowdary Charitable Society, Vijayawada  
Mahindra Comviva, Bengaluru.  
Micro Vision, Ahmedabad  
Milmet Laboratories Pvt Ltd, Ahmedabad  
Narotam Sekhsaria Foundation, Mumbai  
National Institute of Biomedical Genomics, Kalyani, West Bengal. (Prof Partha Majumder)

National Institute for Mentally Handicapped, Secunderabad  
National Institute for the Visually Handicapped, Dehradun  
National Institute of Mental Health and Neuro Sciences, Bengaluru. (Dr T R Raja)  
National Institute of Nutrition, Hyderabad.  
Nava Bharat Ventures Ltd, Hyderabad  
Nimmagadda Foundation, Hyderabad  
NTPC Foundation, New Delhi  
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Sadguru Netra Chikitsalaya, Chitrakoot  
Sankara Nethralaya, Vision Research Foundation, Chennai. (Dr Badrinath)  
Sarva Shiksha Abhiyan, Hyderabad  
Sir Ratan Tata Trust, Mumbai  
Society for the Elimination of Rural Poverty, Hyderabad  
State Council of Education Research and Training, Hyderabad  
Tech Mahindra Foundation, Hyderabad  
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Tata Tribal Cultural Society (TCS) , (Training of ONA) (india)  
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Uurmi, Hyderabad  
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VIMTA Laboratories, Hyderabad. (Mr S P Vasireddi)  
Vision For India, New Delhi  
VISION 2020: The Right to Sight, India  
Wishing Well Online, Mumbai

# Our Team

Gullapalli N Rao <i>Chair</i>	Prof Brien Holden Eye Research Centre	Subhabrata Chakrabarti <i>Prof Brien Holden Eye Research Centre</i>	K V Subba Rao <i>Finance &amp; Accounts</i>	Elena D Roopchandra <i>Research</i>
Taraprasad Das <i>Vice Chair</i>	Avinash Pathengay <i>Director, Academy for Eye Care Education</i>	Shrikant R Bharadwaj <i>Brien Holden Institute of Optometry and Vision Sciences (BHIOVS)</i>	Vamshi Krishna NK <i>Human Resources</i>	Chaitanya Nelluri <i>Mark Nathaniel Thadikonda &amp; Vijayamma Nannepaga Centre for Eye Care Education</i>
G Chandra Sekhar <i>Vice Chair</i> Director, Kallam Anji Reddy Campus, Hyderabad Dr Kallam Anji Reddy Chair of Ophthalmology	Virender S Sangwan <i>Director - SRUJANA Centre for Innovation, Centre for Regenerative Ophthalmology and Dr Paul Dubord Chair of Cornea</i>	Vijaya K Gothwal <i>Meera &amp; L B Deshpande Centre for Sight Enhancement</i>	Nagavardhan Reddy <i>Opticals - Operations</i>	Md Hidayath Ali <i>Stores</i>
Ramam Atmakuri <i>Executive Vice Chair</i>	Savitri Sharma <i>Director, Laboratories</i>	Beula Christy <i>Dr PRK Prasad Centre for Rehabilitation of Blind &amp; Visually Impaired</i>	Sam Balasundaram <i>Fund Raising &amp; Donor Relations</i>	Anjaneyulu B <i>Purchase</i>
S Shivaji <i>Director, Prof Brien Holden Eye Research Centre</i>	Rohit Khanna <i>Director, Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care (GPR ICARE)</i>	Venkatesh M Reddy <i>Chairman's Office</i>	K Annapurna Devi <i>Technology</i>	J Shive Shankar <i>Security</i>
D Balasubramanian <i>Distinguished Scientist and Director Emeritus,</i>			Sreedevi Yadavalli <i>Communications &amp; Corporate Relations</i>	
			M Shobha <i>Audio Visual</i>	

## Kallam Anji Reddy Campus, Hyderabad

G Chandra Sekhar <i>Director and Dr Kallam Anji Reddy Chair of Ophthalmology</i>	<b>Ocular Oncology</b> Mohammad Javed Ali Milind N Naik Vijay Anand P Reddy Swathi Kaliki Tarjani Vivek Dave	Hari Kumar Jennifer Jayaraj Karnati Bharath Ashwin Goud Mahender Singh Naresh Kumar Yugandhar Reddy Sobia Taureen Sandipan Roy Sitarama Anjaneyulu	<b>Internal Medicine</b> Archana Bhargava <b>Dietician</b> A Rama Devi	Ramayamma International Eye Bank Sunita Chaurasia K Hariharan G Srinivas
Subhadra Jalali <i>Clinical Services, all Hyderabad campuses</i>	<b>Ophthalmic Plastic Surgery &amp; Aesthetics</b> Milind N Naik Mohammad Javed Ali Gautam Dendukuri Swathi Kaliki Vijay Anand P Reddy Tarjani Vivek Dave M Yashwanth Goud Winston D Prakash Sadiya Iram	<b>VST Centre for Glaucoma Care</b> Sirisha Senthil Rohit Khanna Anil K Mandal Vanita Pathak-Ray B L Harsha Rao G Chandra Sekhar Siddharth Dikshit Nikhil Choudhari Ashwin Goud A Uday Kumar Aditya Chaitanya Cyril Sarah J Ganesh Babu Kalmuri Shankar Raghava Chary Ravi Kumar Shashikant Chaudhary Unnisa Begum Yugandher Reddy Seema Banerjee	<b>Refractive Clinic Team</b> J Ganesh Babu Ravi Kumar T Shyamsunder A Uday Kumar Winston D Prakash Yashwanth Goud P Veerendranath	Mark Nathaniel Thadikonda & Vijayamma Nannepaga Centre for Eye Care Education Prashant Garg <i>Director and Dr G. Chandra Sekhar Chair of Education</i>
<b>Clinical Services</b>	<b>Ocular Prostheses</b> Srinivas Allam Gayatri Bharadwaj	<b>Jasti V Ramanamma Children's Eye Care Centre</b> Ramesh Kekunnaya Divya Balakrishnan Preeti Patil Chhablani Subhadra Jalali Swathi Kaliki Anil K Mandal R Muralidhar Padmaja K Rani C Jagadesh Reddy Sirisha Senthil Divya Jagadish Geetha Sravani Tabita Naomi Puja Sarbjana Winston Prakash	<b>Administration</b> Joji Prasad <i>Operations</i> E S Manjula <i>Patient Care</i> G Vijaya <i>Nursing</i> Kishore Babu <i>Medical Records</i> SBN Chary <i>Photography</i> Snehasis Mitra <i>Properties &amp; Maintenance</i>	LVP-Zeiss International Academy of Advanced Ophthalmic Education Vanita Pathak-Ray Varsha Rathi
<b>Cornea &amp; Anterior Segment</b>	<b>Uveitis &amp; Ocular Immunology</b> Jay Chhablani Somashela Murthy Raja Narayanan Rajeev R Pappuru Virender S Sangwan	<b>City Centre, Madhapur</b> Bhupesh Bagga Anju Kumar Krishnendu Mandal Kiranmayi Ch Dharani Tripurani Sushma Gollapudi Sana Quadri	<b>City Centre, Madhapur</b> Bhupesh Bagga Anju Kumar Krishnendu Mandal Kiranmayi Ch Dharani Tripurani Sushma Gollapudi Sana Quadri	Bausch & Lomb School of Optometry P K Sai Prakash <i>Principal</i> Y Vijay Kumar <i>Registrar</i>
Somasheila Murthy Bhupesh Bagga Sayan Basu Sunita Chaurasia Prashant Garg Pravin V Krishna R Muralidhar Varsha Rathi C Jagadesh Reddy Virender S Sangwan Mukesh Taneja K Madhavi Latha Preetam Kumar P Veerendranath J Karthik Nazia Begum B Praveen Kumar Geetha Sravani N Vinay Kumar Swaathi Balaji Vaishaali Gunalan Baghya Lakshmi P Rajni Samrat Sarkar	<b>Bausch &amp; Lomb Contact Lens Centre</b> Pravin V Krishna Varsha Rathi D Srikanth T Shyamsunder Preetam Kumar Parthasarathi K Nending Pampi	<b>Comprehensive Ophthalmology</b> Rohit Khanna Bhupesh Bagga Anthony Vipin Das	<b>Administration</b> K Durga Dhanraj	Faculty Shrikant R Bharadwaj Archana Bhargava Beula Christy Vijaya K Gothwal Korani Jyothi S Kartheek Kumar Y Vijay Kumar Srinivas Marmamula K Parthasarathi Vanita Pathak-Ray Vijaya L Ramam P Shailaja T Shyamsunder M Srikanth D Srikanth
<b>Cataract &amp; Refractive Surgery Services</b>	<b>Smt. Kanuri Santhamma Centre for Vitreo Retinal Diseases</b> Rajeev R Pappuru Divya Balakrishnan Jay Chhablani Taraprasad Das Raja Narayanan Padmaja K Rani Mudit Tyagi Vivek Pravin Dave Apoorv Sharma	<b>Strabismus (Squint)/ Neuro-ophthalmology</b> Ramesh Kekunnaya Preeti Patil Chhablani Nikhil Choudhari	<b>Vision Rehabilitation Centres</b> Meera & L B Deshpande Centre for Sight Enhancement Vijaya K Gothwal Deepak K Bagga Selam Bharani Rebecca Sumalini Premanandhini Satgunam	Jachin D Williams Charanya Ramachandran L Srinivasa Varadharajan Premnandhini Satgunam Sitarama Anjaneyulu B Praveen Kumar Snigdha
Pravin V Krishna Bhupesh Bagga Prashant Garg R Muralidhar Somasheila Murthy Varsha Rathi C Jagadesh Reddy Sayan Basu		<b>Dr PRK Prasad Centre for Rehabilitation of Blind &amp; Visually Impaired</b> Beula Christy Mahalakshmi	<b>Administration</b> Chaitanya Nelluri Snigdha	

<b>Prof Brien Holden Eye Research Centre</b>	<b>Saroja A Rao Immunology Laboratory</b>	<b>Molecular Genetics Laboratory</b>	<b>Charanya Ramachandran</b>	<b>Ophthalmic Biophysics Laboratory</b>
D Balasubramanian <i>Director</i>	Sanhita Roy	Chitra Kannabiran	Indumathi Mariappan	Ashutosh Richhariya
Jhaveri Microbiology Centre Savitri Sharma Das Joveeta Joseph	Savitri Sharma Das	Subhabrata Chakrabarti	Virender S Sangwan	<b>Vision Rehabilitation</b>
	Ophthalmic Pathology Laboratory	Inderjeet Kaur	Vivek Singh	Premnandhini Satgunam
	Dilip Mishra	Sudhakar & Sreekanth	<b>Clinical Research</b>	Raja Narayanan
	Kallam Anji Reddy	Ravi Stem Cell Biology Laboratory	Shrikant R Bharadwaj	Thiruttani Charithi

## Bhubaneswar Campus, Bhubaneswar

<b>Sujata Das</b> <i>Director</i>	Sujata Samal	<b>Comprehensive Ophthalmology</b>	<b>NTPC Eye Trauma Centre</b>	<b>Pathak Centre for Eye Care Education</b>
<b>Cornea &amp; Anterior Segment</b>	Saumya Ranjan Parida	Sagarika Dash	<b>Suryasnata Rath</b>	<b>Suryasnata Rath</b>
<b>Srikant K Sahu</b>	Arunima Mishra	<b>Paediatric Ophthalmology, Strabismus &amp; Neuro-ophthalmology</b>	Soumyava Basu	Rutuparna Mohapatra
<b>Sujata Das</b>	Glucoma	Vivek Warkad	Umesh Chandra Behera	<b>Internal Medicine</b>
<b>Contact Lens &amp; Refractive Surgery</b>	Aparna Rao	<b>Miriam Hyman Children's Eye Care Centre</b>	Sujata Das	<b>Bharat Panigrahi</b>
<b>Srikant K Sahu</b>	Sanghamitra Dash	Vivek Warkad	Tapas Ranjan Padhi	<b>Basic Research</b>
Sujata Das	Avik Kumar Roy	Sanghamitra Dash	<b>NTPC Centre for Sight Enhancement and Rehabilitation of Visually Challenged</b>	<b>Mamatha Reddy</b>
<b>Arnav Ghosh</b>	Retina & Vitreous	Tapas Ranjan Padhi	Sirajum Monira	<b>Administration</b>
Satabdi Sundaray	Soumyava Basu	Aparna Rao	Sumita Lima	Bikash Chandra Mohanta
<b>Consultant Optometrists</b>	Umesh Chandra Behera	Suryasnata Rath	Soumya Panda	Prakash Chandra Das
Arnav Ghosh	Tapas Ranjan Padhi	Srikant K Sahu	Bijaylaxmi Rout	Chhoton De
Satabdi Sundaray	<b>Ophthalmic Plastic Surgery, Orbit &amp; Oncology</b>	<b>NTPC Centre for Diabetic Eye Diseases</b>	<b>Ocular Microbiology Service</b>	Prakash Nayak
Sujoy Mukherjee	Suryasnata Rath	Soumyava Basu	Savitri Sharma	Sudipta Parida
Ch. S Monira	Arunima Mishra	Umesh Chandra Behera	<b>Dalmia Ophthalmic Pathology Service</b>	<b>Drushti daan Eye Bank *</b>
Anirudha Banerjee	Devjyoti Tripathy	Tapas Ranjan Padhi	Ruchi Mittal	Sujata Das
Soumya Panda				<b>Srikant K Sahu</b>

\*Community Eye Bank on our campus

## GMR Varalakshmi Campus, Visakhapatnam

<b>Merle Fernandes</b> <i>Director</i>	Raghava JV	<b>Ophthalmic Plastic Surgery, Orbit &amp; Oncology</b>	<b>Consultant Optometrists</b>	<b>Education</b>
	Maneck D Nicholson	<b>Consultant Optometrists</b>	Rekha Gunturu	Virender Sachdeva
<b>Cornea &amp; Anterior Segment Consultant</b>	D S V Ramkumar	Samir Mahapatra	D Mounika	<b>Administration</b>
<b>Ophthalmologists</b>	N Gowthami	<b>Nimmagadda Prasad</b>	<b>Neuro-ophthalmology</b>	Asif Basha
<b>Merle Fernandes</b>	<b>Glaucoma</b>	<b>Children's Eye Care Centre</b>	Virender Sachdeva	K Lokesh
Raghava JV	P V K S Varma	Virender Sachdeva	Avinash Pathengay	B V S Mallikarjuna Rao
<b>Consultant Optometrists</b>	KiranmayeTVH	Merle Fernandes	<b>Uveitis</b>	K Gopal Rao
Rekha Gunturu	<b>Retina &amp; Vitreous</b>	Varada Vinay Gokhale	Avinash Pathengay	G Rambabu
D S V Ramkumar	<b>Consultant Ophthalmologists</b>	P V K S Varma	<b>Bob Ohlson Centre for Sight Enhancement</b>	G Rekha
N Gowthami	Avinash Pathengay	<b>Strabismus / Neuro-ophthalmology</b>	Lakshmi Dwara	O Ramya
<b>Contact Lens &amp; Refractive Surgery</b>	<b>Consultant Optometrists</b>	<b>Consultant Ophthalmologists</b>	<b>Anesthesia Services</b>	T Trinadharao
<b>Consultant Ophthalmologists</b>	Anand Kumar P	Virender Sachdeva	Morton Anesthesia Allied Services Pvt. Ltd	<b>Mohsin Eye Bank *</b>
Merle Fernandes	Yamuna Rani K	Varada Vinay Gokhale	<b>Centre for Eye Care</b>	Merle Fernandes
		Avinash Pathengay		*Community Eye Bank on our campus

## Kode Venkatadri Chowdary Campus, Tadigadapa, Vijayawada

<b>Prashant Garg</b> <i>Director</i>	<b>Glaucoma</b>	<b>Centre for Sight Enhancement</b>	<b>Satish M</b>	<b>Administrator</b>
	Prakrathi Gupta	Asa Narasaiah	P Srinivasa Rao	G Krishna Mohan (Network Biomedical Incharge)
<b>Cornea &amp; Anterior Segment</b>	<b>The David Brown Children's Eye Care Centre</b>	<b>Rehabilitation services</b>	Kelli Vidya Sagar	M Sridevi (HR, KVC)
<b>Mahesh Kalyankar</b>	Niranjan K Pehera	Beula Christy	<b>Administration</b>	Subrahmanyam (Accounts)
Aravind Roy	<b>Oculoplasty services</b>	Sini John	PV Kiran (Assistant Director)	
<b>Retina &amp; Vitreous</b>	Dr Anasua Ganguly	Ravi Kumar	Jani (Network Stores & Purchase)	
Vishal R Raval	<b>Neuro-ophthalmology</b>	<b>Consultant Optometrists</b>	G Madhuri (Junior	
Aditya Kapoor	Niranjan K Pehera	Rajavardhan M		
Sameera Nayak				

## Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care (GPR ICARE), Kismatpur Campus

<b>Rohit C Khanna</b> <i>Director</i>	Varsha Rathi	<b>Narsing Rao</b>	<b>Asha Latha Mettla</b>	<b>Asha Latha Mettla</b>
V Rajashekhar <i>Executive Director</i>	B V Raghavulu	<b>Ramachandra</b>	K Jyothi	<b>Programs &amp; Projects</b>
<b>Service Delivery</b> (Secondary,Primary and Community Eye Care)	Uday Kumar A	<b>Pararajasegaram</b>	<b>Allen Foster Community Eye Health Research Centre</b>	V Rajashekhar
	Jachin D Williams	<b>Community Eye Health Education Centre</b>	Srinivas Marmamula	Gullapalli N Rao
	Dr Suresh K	Srinivas Marmamula	Jachin D Williams	Rohit C Khanna
	Naresh Rao S			
	Vasu Babu V			

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L V Prasad Eye Institute (LVPEI), a not-for-profit organization is managed by: the Hyderabad Eye Institute (HEI), a registered Trust under the Indian Trust Act, and the Hyderabad Eye Research Foundation (HERF), a society registered under the Societies Act. HEI and HERF together are responsible for governance of all activities at LVPEI.

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Founder-Chair

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Consultant Eye Surgeon

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L V Prasad Eye Institute, Hyderabad

Dr Taraprasad Das (Ex-officio)

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Translational Health Science &  
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L V Prasad Eye Institute, Hyderabad

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Mr Ramam Atmakuri (Ex-officio)

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L V Prasad Eye Institute, Hyderabad



## Kallam Anji Reddy Campus, Hyderabad

★ Bhosle Gopal Rao Patil Eye Centre, Mudhole Adilabad, Telangana

- Bhainsa
- Kubeer
- Nandipet
- Navipet
- Narsapur
- Lokeshwaram
- Tanur

★ Seshanna Chennawar Eye Centre, Adilabad, Telangana

- Utnoor
- Boath
- Jainath
- Bela
- Narnoor
- Jainoor
- Jannaram
- Medarpet
- Gudihathnoor
- Echoda
- Indravelly
- Neradigonda

★ Kuchakulla Ramachandra Reddy Eye Centre, Thoodukurthy Mahbubnagar, Telangana

- Wanaparthys
- Achampet
- Nagarkurnool
- Kothakota
- Kollapur
- Ghanapuram
- Bijnapally
- Telkapally
- Kalwakruthy
- Lingal
- Amangal

★ Nava Bharat Eye Centre, Paloncha, Khammam, Telangana

- Yellandu
- Kalluru
- Manuguru
- Ashwapuram
- Dammepet
- Tekulapally
- Cherla
- Chandrugonda
- Thallada
- Sujathanagar

★ Y Mahabaleshwarappa Memorial Eye Centre, Ballari Karnataka

### Urban Vision Centres

- Ramnagar
- Ramakrishna Math
- Kismatpur

▲ City Centre, Madhapur, Hyderabad



## Kode Venkatadri Chowdary Campus, Vijayawada

★ Venkata Lakshmi Eye Centre, Karamchedu, Prakasam, AP

- Parchuru
- Panguluru
- Pedanandipadu
- Yeddanapudi
- Marturu
- Ballikuruva
- Epurupalem
- Chinnaganjam
- Naguluppalapadu
- Vetapalem
- Narasayapalem
- Kavuru

★ Sudhakar & Sreekanth Ravi Eye Centre, Markapuram, AP

- Tripuranthakam
- Yerragondapalem
- Dornala
- Cumbum
- Bestavaripeta
- Giddalur
- Podili
- Darsi
- Kurichedu
- Chimakurthy

★ Sudhakar & Sreekanth Ravi Eye Centre, Kandukuru, Prakasam, AP

- Tangutur
- Kondapi
- Lingasamudram
- Chandrasekharapuram
- Singarayakonda
- Pamuru
- Ulavapadu
- Medarametla
- Santhanuthalapadu
- Kothapatnam

★ Siloam Eye Centre, Madanapalle Chittoor, AP

- Nimmanapalle
- B Kothakota

★ Swarna Bharat Eye Centre Venkatachalam Nellore, AP

- Podalakuru
- Gudur
- Rapur
- Kota
- Naidupeta

★ Dr Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli, Guntur, AP

- |               |           |              |
|---------------|-----------|--------------|
| ■ Amrataluru  | ■ Kollar  | ■ Karlapalem |
| ■ Bhattiprolu | ■ Nagaram | ■ Chebrolu   |

### Directly Connected Vision Centres

- Kapileswarapuram
- Kovvali
- Pedapadu

- Mylavaram
- Lingala
- Buttayagudem

- Agiripalli
- Vissannapeta
- Movva

- Unguturu
- Chinnapuram
- Pedana

- Kankipadu

## GMRV Campus, Visakhapatnam (Srikakulam & Vizianagaram)

### Directly Connected Vision Centres

- Shrungavarapukota
- Chodavaram
- Revidi
- Gajapathinagaram
- K Kotapadu
- Yalamanchili
- Kailasapatnam

- Govindapuram
- Kothavalasa
- Kasimkota
- Araku
- Lakkidam
- Lakkavarapukota
- Lodagalavanipalem

- Bhogapuram
- Mandasa
- Santhabommali
- Maliyaputti
- Pydibhimavaram
- Tekkali
- Hiramandalam

- Ranasthalam
- Ponduru
- Kotturu
- Narasannapeta
- Parawada
- Atchuthapuram
- Denkada

- Vallampudi
- Jami

## Bhubaneswar Campus

★ OCL Eye Centre Rajgangpur, Odisha

★ Nariandas & Morbai Budhrani Eye Centre, Rayagada, Odisha

★ Arjun Waney Eye Centre, Berhampur, Odisha

### Directly Connected Vision Centres

- Banra
- Kamalapur

# The LVPEI Eye Health Pyramid



## Vision

To create excellent and equitable eye care systems that reach all those in need.

## Mission

The mission of L V Prasad Eye Institute is to be a centre of excellence in eye care services, basic and clinical research into eye diseases and vision-threatening conditions, training, product development, and rehabilitation for those with incurable visual disability, with a focus on extending equitable and efficient eye care to underserved populations in the developing world.



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## Wall of Hope

The "Wall of Hope" on the 3<sup>rd</sup> floor in the Velamati Soubhagyavathamma building, Kallam Anji Reddy Campus, Hyderabad, showcases the hand prints of children who have been treated for retinoblastoma at The Operation Eyesight Universal Institute for Eye Cancer at LVPEI.