

**L V Prasad Eye Institute**

# 2012 – 2013 Activity Report



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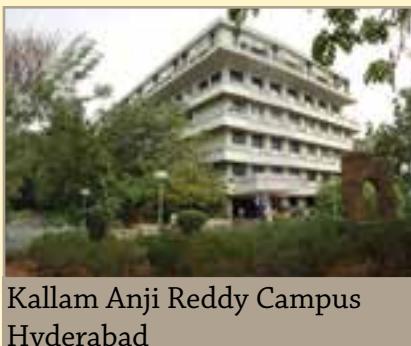
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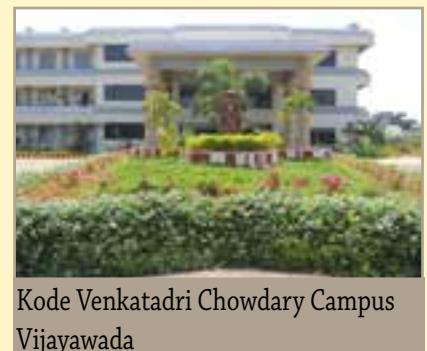
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The LVPEI Network	02
The Year at a Glance	04
Our Team	06
Board of Management	08
Foreword	09
Awards and Honours	10
Breaking New Ground	13
Network News	16
Kallam Anji Reddy Campus, Hyderabad	
Bhubaneswar Campus	
GMR Varalakshmi Campus, Visakhapatnam	
Kode Venkatadri Chowdary Campus, Vijayawada	
Alumni News	40
Patient Care Services	42
Vision Rehabilitation	52
Eye Banking	57
Product Development	62
Community & Rural Eye Health	64
Education	81
Research	94
Our Support	126

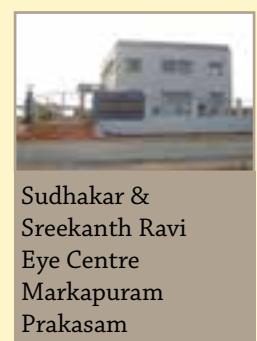
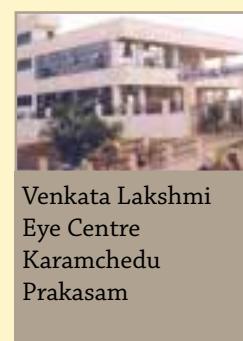
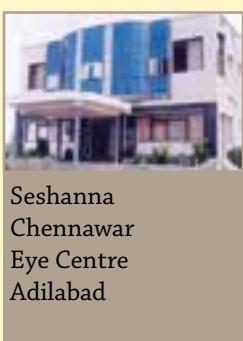
## Centre of Excellence



## Tertiary Care Centres



## Secondary Care Service Centres



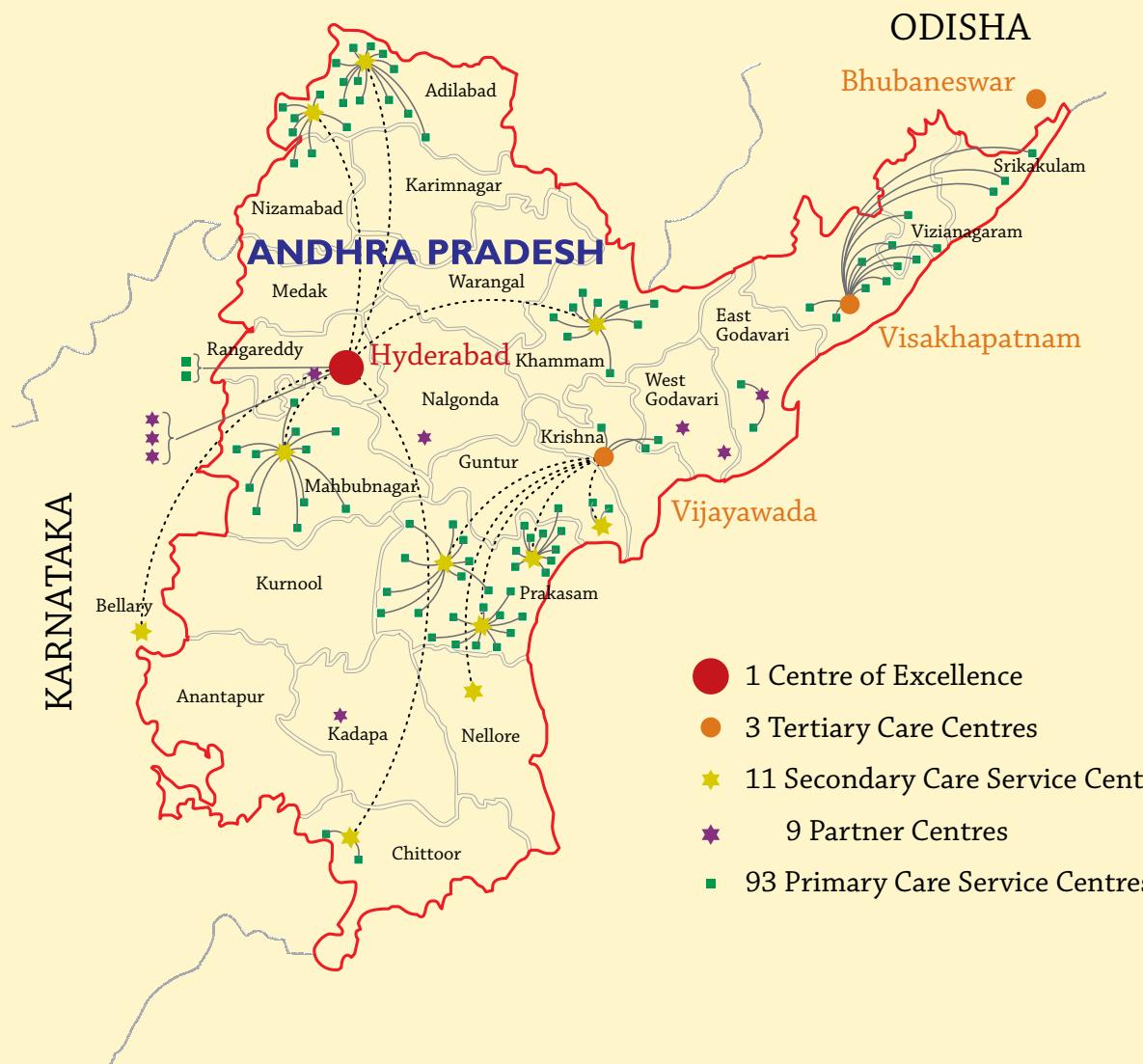
Bhainsa  
Kubeer  
Nandipet  
Navipet  
Kallur  
Lokeshwaram  
Tannur

Utnoor  
Boath  
Jainath  
Bela  
Narnoor  
Jainoor  
Jannaram  
Medarpet  
Neradigonda  
Gudihathnoor  
Echoda  
Indervelly

Wanaparthys  
Achampet  
Nagarkurnool  
Kothakota  
Kollapur  
Pedda Kothapally  
Bijnapally  
Telkapally  
Kalwakurthy  
Lingala  
Amangal

Parchuru  
Panguluru  
Pedanandipadu  
Yeddanapudi  
Marturu  
Ballikuruva  
Epurupalem  
Chinnaganjam  
Naguluppalapadu  
Vetapalem

Tripuranthakam  
Yerragondapalem  
Dornala  
Cumbum  
Bestavaripeta  
Giddalur  
Podili  
Darsi  
Kurichedu  
Chimakurthi



Sudhakar &  
Sreekanth Ravi  
Eye Centre  
Kandukuru  
Prakasam



Siloam Eye Centre  
Madanapalle  
Chittoor



Swarna Bharat  
Eye Centre  
Venkatachalam  
Nellore



Nava Bharat  
Eye Centre  
Paloncha  
Khammam



Dr Kommarreddy  
Raja Ram Mohan  
Rao Eye Centre  
Gudavalli  
Guntur



Y Mahabaleshwarappa  
Memorial Eye Centre  
Bellary  
Karnataka

Tangutur  
Kondapi  
Lingasamudram  
Chandrasekharapuram  
Singarayakonda  
Pamuru  
Ulavapadu  
Medarmet  
Santhanuthalapadu  
Kothapatnam

Nimmanapalle  
B Kothakota

Yellandu  
Kallur  
Manuguru  
Ashwapuram  
Dammappet  
Tekulapally  
Charla  
Chandragonda  
Tallada

Bhattiprolu  
Amruthaluru

City/ Extn Centres at  
Hyderabad  
Visakhapatnam  
Vijayawada

Urban  
Ramnagar  
Kismatpur

Shrungavarapukota  
Chodavaram  
Revidi  
Gajapathinagaram

Visakhapatnam  
K Kotapadu  
Yalamanchili  
Kailasapatnam  
Govindapuram

Vijayawada  
Kapileshwarapuram  
Kovvali  
Pedapadu  
Vutukuru  
Mylavaram  
Ravulapalem

Kothavalasa  
Kasimkota  
Santhabommali  
Mandasra

# THE YEAR AT A GLANCE

The LVPEI pyramid of service delivery touches all levels of society, from remote rural villages to busy urban centres. From primary eye care to advanced tertiary (quaternary).

This year, we reached a total of 1,746,471 people including 138,372 children through these various levels of care. Of these more than 1.28 million received eye care services entirely free of cost as part of our community programs and through our higher-level facilities.

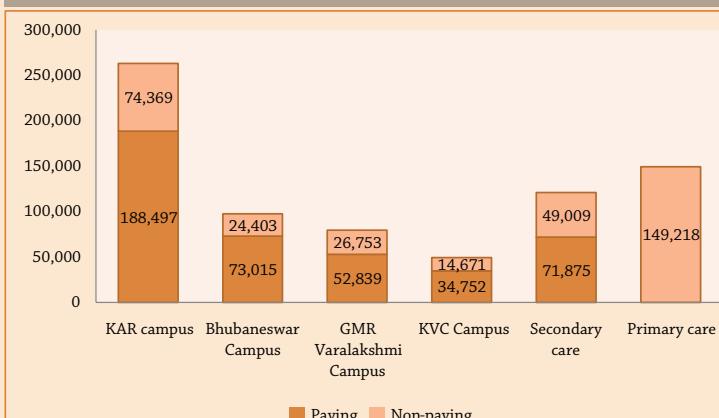
## PATIENT CARE Service Delivery: Community Eye Health Programs

*Entirely free of cost*

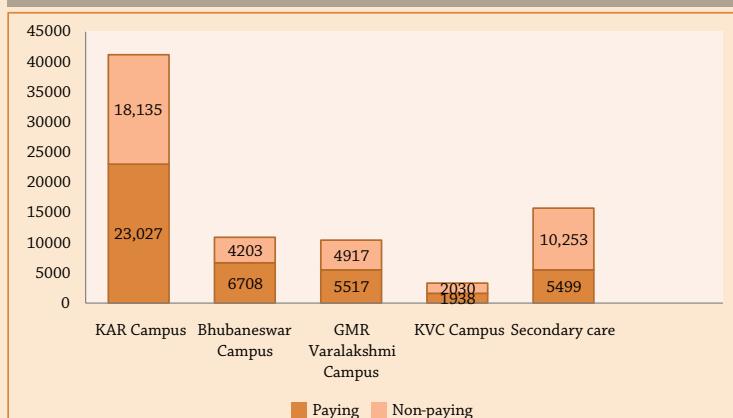
Population covered by door to door surveys <i>(838 villages surveyed)</i>	849,112
Population screened <i>(1200 community programs)</i>	90,963
Schools & Anganwadis (creches) covered	614
Population reached	849,112
Children screened	56,361
Total reached	905,473

	Outpatient visits	Free of cost	Surgeries		Free of cost
<b>PRIMARY EYE CARE</b>					
93 Vision Centres	149,218	100%		–	–
<b>SECONDARY EYE CARE</b>					
11 Service Centres	120,884	40.5%	15,752	65.1%	
<b>TERTIARY EYE CARE</b>					
Bhubaneswar	97,418	25.1%	10,281	40.9%	
Visakhapatnam	79,592	33.6%	10,434	47.1%	
Vijayawada	49,423	29.7%	3968	51.2%	
<b>ADVANCED TERTIARY (QUATERNARY) CARE</b>					
Hyderabad	262,866	28.3%	41,162	44.1%	
<b>Total</b>	<b>759,401</b>	<b>44.6 %</b>	<b>81,597</b>	<b>48.5%</b>	
<i>Includes 82,011 children</i>					
<i>Free of cost services are provided irrespective of the complexity of care.</i>					
<i>These numbers do not include data from our partner centres.</i>					
Partner Secondary Centres	164,437	44.1%	26,574	69.6%	

### Outpatient visits



### Surgical procedures



## The Network Grows

	In operation	Partnerships	In process
Centre of Excellence	1	–	–
Tertiary Centres	3	6	–
Service Centres	11	18	3
Vision Centres	93	–	33
Capacity building collaborations <i>in specific areas</i>	7	28	3

### REHABILITATION providing a better quality of life

Sight enhancement client visits (low vision)	7449
Vision rehabilitation client visits	16,787
Community based rehabilitation	352

### EYE BANKING facilitating the gift of sight

	Hyderabad	Bhubaneswar*	Visakhapatnam*	Total
Corneas harvested	3949	530	730	5209

\*Community Eye Bank

### EDUCATION enhancing skills and building human resources

Ophthalmologists	111
Other eye care professionals	155
Participants in CME and other programs	3285

*In addition, many more attended our CME programs through live webcasts.*

### RESEARCH pushing the frontiers

Presentations	
International	345
National	493
Publications	182
Awards and Honours	67

# OUR TEAM

Gullapalli N Rao <i>Chair</i> <i>Member, Executive Committee</i>	D Balasubramanian <i>Director, Prof Brien Holden Eye Research Centre</i>	Rohit Khanna <i>Director, Head, International Centre for Advancement of Rural Eye Care</i>	Ghanshyam Singh <i>Opticals – Technology &amp; Training</i>	M Shobha <i>Audio Visual</i>
Taraprasad Das <i>Vice Chair</i> <i>Member, Executive Committee</i>	Prashant Garg <i>Director, Academy for Eye Care Education</i>	Venkatesh M Reddy <i>Chairman's Office</i> <i>Staff Communications</i> <i>New Projects Monitoring</i>	Nagavardhan Reddy <i>Opticals – Operations</i>	SBN Chary <i>Photography</i>
G Chandra Sekhar <i>Vice Chair</i> <i>Director, LVPEI Network, Hyderabad</i> <i>Dr Kallam Anji Reddy</i> <i>Chair of Ophthalmology</i>	G Chandra Sekhar <i>Chair of Education</i>	S Karthikeyan <i>Finance &amp; Accounts</i>	Sam Balasundaram <i>Fund Raising &amp; Donor Relations</i>	G Sridhar <i>Properties &amp; Maintenance</i>
Usha Gopinathan <i>Executive Director</i>	Virender S Sangwan <i>Director, Clinical Research</i>	Vamshi Krishna NK <i>Human Resources</i>	K Annapurna Devi <i>Technology</i>	Rajiv Kumar M S <i>Corporate &amp; Governmental liaison</i>
	Savitri Sharma <i>Director, Laboratories</i>		Sreedevi Yadavalli <i>Communications</i>	T Shive Shankar <i>Security</i>

## Kallam Anji Reddy Campus, Hyderabad

<b>G Chandra Sekhar</b> <i>Director and Dr Kallam Anji Reddy Distinguished Chair of Ophthalmology</i>	Somasheila Murthy Varsha Rathi C Jagadeesh Reddy	<b>VST Centre for Glaucoma Care</b> Sirisha Senthil Nikhil S Choudhari Rohit Khanna Anil K Mandal Vanita Pathak-Ray B L Harsha Rao G Chandra Sekhar Shashikant Chaudhary Raghava Chary J Ganesh Babu A Uday Kumar Seema Banerjee Ravi Kumar	<b>Dr PRK Prasad Centre for Rehabilitation of Blind &amp; Visually Impaired</b> Beula Christy Hemalatha Arunachalam Mahalakshmi	<b>Administration</b> Chaitanya Nelluri
<b>Joji Prasad</b> <i>Operations</i>	<b>Ocular Oncology</b> Mohammad Javed Ali Milind N Naik Vijay Anand P Reddy Swathi Kaliki	<b>Ramayamma International Eye Bank</b> Usha Gopinathan Prashant Garg G Srinivas Surya Vasi Reddy	<b>Prof Brien Holden Eye Research Centre</b> D Balasubramanian <i>Director</i>	<b>Jhaiveri Microbiology Centre</b> Savitri Sharma Das Swapna Reddy
<b>Raja Narayanan</b> <i>Clinical Services, all Hyderabad campuses (Kallam Anji Reddy campus, Banjara Hills Extension, City Centre)</i>	<b>Ophthalmic Plastic Surgery &amp; Aesthetics</b> Milind N Naik Mohammad Javed Ali Gautam Dendukuri Swathi Kaliki Vijay Anand P Reddy M Yashwant Goud Winston D Prakash	<b>Mark Nathaniel Thadikonda &amp; Vijayamma Nannepaga Centre for Eye Care Education</b> Prashant Garg <i>Director and G. Chandra Sekhar Distinguished</i>	<b>Saroja A Rao Immunology Laboratory</b> Savitri Sharma Das Swapna Reddy	<b>Ophthalmic Pathology Laboratory</b> Savitri Sharma Das Swapna Reddy
<b>Chandra Sekhar</b> <i>Director's Office</i>	<b>Ocular Prostheses</b>	<b>LVP-Zeiss International Academy of Advanced Ophthalmic Education</b> Vanita Pathak-Ray Varsha Rathi	<b>Kallam Anji Reddy Molecular Genetics Laboratory</b> Chitra Kannabiran Subhabrata Chakrabarti Inderjeet Kaur	<b>Sudhakar &amp; Sreekanth Ravi Stem Cell Biology Laboratory</b> Indumathi Mariappan Virender S Sangwan
<b>Clinical Services</b>	<b>Uveitis &amp; Ocular Immunology</b> Annie Mathai Jay Chhablani Somasheila Murthy Raja Narayanan Rajeev R Pappuru Virender S Sangwan Mudit Tyagi Seema Banerjee Shashikant Chaudhary Raghava Chary Ravi Kumar J Ganesh Babu A Uday Kumar	<b>Bausch &amp; Lomb School of Optometry</b> P K Sai Prakash <i>Principal</i>	<b>Visual Optics and Psychophysics Laboratory</b> Shrikant R Bharadwaj Naveen K Challa Kalika Bandamwar	<b>Ophthalmic Biophysics Laboratory</b> Ashutosh Richhariya
<b>Cornea &amp; Anterior Segment</b>	<b>Comprehensive Ophthalmology</b> Rohit Khanna Bhupesh Bagga K Madhavi Latha	<b>Faculty</b> B Anjaneyulu Shrikant R Bharadwaj Archana Bhargava Naveen Kumar Challa Beula Christy Vijaya K Gothwal Korani Jyothi S Krishnaiah S Kartheek Kumar Y Vijay Kumar Srinivas Marmamula Joshef Mollah K Parthasarathi Vanita Pathak-Ray Vijaya L Ramam Suresh Ramavath P Sailaja T Shyamsunder M Srikanth	<b>Vision Rehabilitation</b> Meera & L B Deshpande Centre for Sight Enhancement	<b>Vision Rehabilitation</b> Premnandhini Satgunam
<b>Somasheila Murthy</b> Bhupesh Bagga Sayan Basu Sunita Chaurasia Prashant Garg Pravin V Krishna K Madhavi Latha R Muralidhar Varsha Rathi C Jagadeesh Reddy Virender S Sangwan Mukesh Taneja Preetam Kumar P Veerendranath Haresh Potluri J Karthik Sudiptho Samanta Tania Ghosh Suresh Ramavath Nazia Begum	<b>Smt. Kanuri Santhamma Centre for Vitreo Retinal Diseases</b> Rajeev R Pappuru Divya Balakrishnan Jay Chhablani Taraprasad Das Subhadra Jalali Annie Mathai Raja Narayanan Padmaja K Rani Mudit Tyagi T Venkata Amarnath Shaik Bajibhi Priyangshu Chandra Naresh Kumar Hari Kumar Swetha Goud	<b>Refractive Clinic Team</b> Ravi Kumar T Shyamsunder Winston D Prakash A Uday Kumar J Ganesh Babu Joshef Mollah	<b>Clinical Research</b> Samrat Sarkar P Veerendranath Geetha Sravani Sumanth Virupaksha	<b>Administration</b> Elena D Roopchandra
<b>Bausch &amp; Lomb Contact Lens Centre</b>	<b>Vision Rehabilitation Centres</b> Meera & L B Deshpande Centre for Sight Enhancement	<b>Vision Rehabilitation Centres</b> Vijaya K Gothwal Deepak K Bagga Rebecca Sumalini Selam Bharani		
<b>Pravin V Krishna</b> Varsha Rathi D Srikanth Preeji M Sudharman T Shyamsunder Preetam Kumar Parthasarathi K Haresh Potluri				
<b>Cataract &amp; Refractive Surgery Services</b>				
<b>Pravin V Krishna</b> Bhupesh Bagga Prashant Garg R Muralidhar				

<b>International Centre for Advancement of Rural Eye care, Kismatpur Campus</b> Rohit Khanna <i>Director</i>	Padmaja K Rani S Krishnaiah Srinivas Marmamula Jachin David Williams K Jyothi	Padmaja K Rani Giridhar Pyda <i>Programs &amp; Projects</i> V Rajashelkar Gullapalli N Rao	<i>City Centre, Madhapur</i> Anjul Kumar Krishnendu Mandal M Madhava Reddy Sana Quadri
<b>Ramachandra Pararajasegaram Community Eye Health Education Centre</b> S Sheeladevi	<b>Allen Foster Community Eye Health Research Centre</b> Srinivas Marmamula S Krishnaiah	<b>Administration</b> Narsing Rao	<b>Administration</b> K Durga Dhanra

## Bhubaneswar Campus, Bhubaneswar

<b>Sujata Das</b> <i>Director</i>	<b>Ophthalmic Plastic Surgery, Orbit &amp; Oncology</b> Suryasnata Rath Devjyoti Tripathy	<b>Suryasnata Rath</b> Aparna Rao	<b>Dalmia Ophthalmic Pathology Service</b> Ruchi Mittal
<b>Cornea &amp; Anterior Segment</b> Sujata Das	<b>Ocular Prostheses</b> Suryasnata Rath Devjyoti Tripathy Arunima Mishra	<b>NTPC Centre for Diabetic Eye Diseases</b> Soumyava Basu Tapas Ranjan Padhi Umesh Chandra Behera	<b>Anesthesia Services</b> Debendranath Das
Srikant K Sahu	<b>Comprehensive Ophthalmology</b> Sagarika Dash	<b>NTPC Eye Trauma Centre</b> Suryasnata Rath Soumyava Basu Sujata Das	<b>Pathak Centre for Eye Care Education</b> Suryasnata Rath
Rajat Jain	<b>Paediatric Ophthalmology, Strabismus &amp; Neuro-ophthalmology</b> Bhamy Hariprasad Shenoy	<b>NTPC Centre for Sight Enhancement and Rehabilitation of Visually Challenged</b> Ch Sirajum Monira Sumita Lima Prajna Mohapatra	<b>Administration</b> Bikash Chandra Mohanta Prakash Chandra Das Chhoton De Sudipta Parida Prakash Nayak
<b>Contact Lens &amp; Refractive Surgery</b> Srikant K Sahu	<b>Miriam Hyman Children's Eye Care Centre</b> Bhamy Hariprasad Shenoy Tapas Ranjan Padhi Sanghamitra Dash Srikant K Sahu	<b>Ocular Microbiology Service</b> Sarita Kar	<b>Drushti daan Eye Bank*</b> Sujata Das Srikant K Sahu

<b>Retina &amp; Vitreous</b> Soumyava Basu Tapas Ranjan Padhi Umesh Chandra Behera	<b>Glucoma</b> Aparna Rao Sanghamitra Dash	<b>Glaucoma</b> Aparna Rao Sanghamitra Dash	<b>Glaucoma</b> Aparna Rao Sanghamitra Dash
<b>Cornea &amp; Anterior Segment</b> Merle Fernandes	<b>Ophthalmic Plastic Surgery, Orbit &amp; Ocular Oncology</b> Samir Mahapatra	<b>Bob Ohlson Centre for Sight Enhancement</b> Rekha Gunturu	<b>Administration</b> Anil Kumar Kathala B V S Mallikarjuna Rao
Merle Fernandes	<b>Nimmagadda Prasad Children's Eye Care Centre</b> Virender Sachdeva	Lakshmi Dwara	K Lokesh
I S Murthy	Merle Fernandes	Dharani Nanda	K Gopal Rao
Rekha Gunturu	P V K S Varma	Saranya V	
<b>Contact Lens &amp; Refractive Surgery</b> Merle Fernandes	<b>Strabismus/ Neuro-ophthalmology</b> Virender Sachdeva	<b>Ocular Microbiology Service</b> K Nagendra Kumar	<b>Mohsin Eye Bank*</b> Merle Fernandes
I S Murthy	Rekha Gunturu	<b>Anesthesia Services</b> Morton Anesthesia Allied Services Pvt. Ltd	
Rekha Gunturu	Avinash Pathengay	<b>Pathak Centre for Eye Care Education</b> Avinash Pathengay	
D S V Ramkumar	<b>Uveitis</b> Avinash Pathengay	Avinash Pathengay	
<b>Glaucoma</b> P V K S Varma			
JJ Praveen			
<b>Retina &amp; Vitreous</b> Avinash Pathengay			
Anand Kumar P			

\*Community Eye Bank on our campus

## GMR Varalakshmi Campus, Visakhapatnam

<b>Merle Fernandes</b> <i>Director</i>	<b>Ophthalmic Plastic Surgery, Orbit &amp; Ocular Oncology</b> Samir Mahapatra	<b>Bob Ohlson Centre for Sight Enhancement</b> Rekha Gunturu	<b>Administration</b> Anil Kumar Kathala B V S Mallikarjuna Rao
<b>Cornea &amp; Anterior Segment</b> Merle Fernandes	<b>Nimmagadda Prasad Children's Eye Care Centre</b> Virender Sachdeva	Lakshmi Dwara	K Lokesh
I S Murthy	Merle Fernandes	Dharani Nanda	K Gopal Rao
Rekha Gunturu	P V K S Varma	Saranya V	
<b>Contact Lens &amp; Refractive Surgery</b> Merle Fernandes	<b>Strabismus/ Neuro-ophthalmology</b> Virender Sachdeva	<b>Ocular Microbiology Service</b> K Nagendra Kumar	<b>Mohsin Eye Bank*</b> Merle Fernandes
I S Murthy	Rekha Gunturu	<b>Anesthesia Services</b> Morton Anesthesia Allied Services Pvt. Ltd	
Rekha Gunturu	Avinash Pathengay	<b>Pathak Centre for Eye Care Education</b> Avinash Pathengay	
D S V Ramkumar		Avinash Pathengay	
<b>Glaucoma</b> P V K S Varma			
JJ Praveen			
<b>Retina &amp; Vitreous</b> Avinash Pathengay			
Anand Kumar P			

\*Community Eye Bank on our campus

## Kode Venkatadri Chowdary Campus, Tadigadapa, Vijayawada

<b>Cornea &amp; Anterior Segment</b> Mahesh Kalyankar	<b>The David Brown Children's Eye Care Centre</b> Niranjan K Pehera	<b>Rehabilitation services</b> Beula Christy	<b>Administration</b> PV Kiran
<b>Retina &amp; Vitreous</b> Vishal R Raval	<b>Neuro-ophthalmology</b> Niranjan K Pehera	<b>Consultant Optometrists</b> B V L Narayana	N Sirisha
<b>Glaucoma</b> B Pradeep K Reddy	<b>Centre for Sight Enhancement</b> A Narasaiah	P Srinivasa Rao	B Kishore
		Venkatesh	
		Kelli Vidyasagar	

# BOARD OF MANAGEMENT

L V Prasad Eye Institute is managed by two not-for-profit trusts: the Hyderabad Eye Institute (HEI) and the Hyderabad Eye Research Foundation (HERF). Both HEI and HERF are registered under the Societies Act. The Hyderabad Eye Institute oversees the activities of the eye hospital, while the Hyderabad Eye Research Foundation is in charge of all research programs pursued at LVPEI.

## Hyderabad Eye Institute

### Chair

**Dr Gullapalli N Rao**  
*Distinguished Chair of Eye Health  
 L V Prasad Eye Institute, Hyderabad*

### Members

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*Chairman  
 Dr Reddy's Laboratories Ltd, Hyderabad*

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 International Advanced Research Centre for Powder Metallurgy  
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 Indian Institute of Technology, New Delhi*

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**Mr S Krishna Pathak**

*Chairman  
 Al Basti & Muktha LLC, Dubai, UAE*

**Dr G Chandra Sekhar (Ex-officio)**

*Director  
 L V Prasad Eye Institute, Hyderabad*

**Dr Taraprasad Das (Ex-officio)**

*Director  
 L V Prasad Eye Institute, Bhubaneswar*

**Dr Usha Gopinathan (Ex-officio)**

*Executive Director  
 L V Prasad Eye Institute, Hyderabad*

## Hyderabad Eye Research Foundation

### Chair

**Prof Nirmal K Ganguly**  
*Distinguished Biotechnology Professor  
 Translational Health Science & Technology Institute  
 C/o National Institute of Immunology  
 New Delhi*

### Secretary & Treasurer

**Dr Gullapalli N Rao**  
*Distinguished Chair of Eye Health  
 L V Prasad Eye Institute, Hyderabad*

### Members

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 L V Prasad Eye Institute, Hyderabad*

**Dr G Chandra Sekhar (Ex-officio)**

*Director  
 L V Prasad Eye Institute, Hyderabad*

**Dr Taraprasad Das (Ex-officio)**

*Director  
 L V Prasad Eye Institute, Bhubaneswar*

**Dr Usha Gopinathan (Ex-officio)**

*Executive Director  
 L V Prasad Eye Institute, Hyderabad*

# FOREWORD

## A Year of Transition

The year of 2012-13 was a year of transition on numerous counts. The foremost was transiting from the first twenty five years to the second, aptly commemorated at the Silver Jubilee celebrations on June 1 with the theme 'TRIBUTE TO THE TEAM' recognizing the hundreds of individuals whose valuable contributions had made the first quarter century so glorious. Quite fittingly, the grand finale of the Silver Jubilee year was the congregation of the people, striving hard to eliminate avoidable blindness in our world, for the 9<sup>th</sup> General Assembly of the International Agency for the Prevention of Blindness (IAPB). We savoured the privilege of co-hosting this premier event, hailed as the biggest and best ever eye health assembly by many, with more than 1600 participants from 87 countries, from diverse professional backgrounds.

Transition in leadership at multiple levels was the next. A cadre of outstanding youngsters who had excelled professionally was inducted into leadership positions; while yet another transition followed from the successful implementation of our earlier strategic plan 'Vision 2012' to the next, targeting 2015 and 2020. I am optimistic that the results of these two transitions will converge to ensure that the future of the Institute remains bright.

More and more local philanthropy, reversing the earlier trend of dependence on international support, was another notable transition. The latest cluster of vision centres, secondary centres and the newest of our tertiary centres were developed with significant contributions from local people. This, I believe, augurs well for the future and reflects the credibility of our brand. Physically, we continued to grow, both in expanding facilities in many of our campuses as well as extending our footprint into newer geographical areas. We made our entry into the state of Karnataka with the inauguration of our eleventh secondary eye care centre in Bellary with the scope to eventually scale it up to a tertiary centre. On our flagship Kallam Anji Reddy campus in Hyderabad, plans were drawn, ground was broken, and construction activity for a new clinical facility commenced. In the tertiary campuses in Vishakhapatnam (GMR Varalakshmi campus) and Bhubaneswar, infrastructure was added to enhance our education capacity. Our primary care vision centre program in remote rural and tribal areas continued to spread to more geographical areas. Close on the heels of the inauguration of the Bellary centre, we broke ground for yet another secondary centre through the munificence of Edward and Soona Brown of France, who are also the supporters of our Children's eye care centre at the tertiary care Kode Venkatadri Chowdary Campus in Vijayawada. Our vision centres continue to be a unique three-way partnership among LVP, a local donor and the Lavelle Fund coupled with the LDS Charities of the United States.

I am delighted with our transition to the Electronic Medical Records (EMR) system. Since the inception of our institute, we have been rigorous in medical record documentation in line with major academic centres. EMR and the consequent integration of all our patient care data will make this more robust, promoting even better patient care, and clinical, basic and translational research too. All the centres that were inaugurated during this year are linked with the Electronic Medical Record system (EMR) developed in-house.

In basic research, we transited from a pure biological research focus to the addition of optics, visual psychophysics, biomechanics and engineering groups. We are excited about the immense potential of our ever expanding research horizon. In the area of rehabilitation, the transition was from just visual rehabilitation to rehabilitation of people with multiple disabilities. The team now has expertise in speech therapy, physiotherapy, psychology and special education along with collaborations for many others.

Corneal transplantation has undergone a major transition during the past decade from almost full thickness graft to a sizable proportion now being partial thickness graft. The transition to automated cutting of corneal tissue is recent and our Ramayamma International Eye Bank, one of the leading eye banks in the world, has acquired the special 'pre-cut corneal tissue preparation facility' that enhances corneal transplant surgery, for which we gratefully acknowledge the support of America's leading eye bank SightLife, Seattle. This addition was made even more special when it was inaugurated by the Governor of the State of Washington, in the US, Governor Gregoire, and she had this to say after her visit:

*"Congratulations on the work your organization is doing to eliminate blindness utilizing corneal transplant technology with a highly dedicated team of physicians and health care professionals. It was a great honor and privilege to be a part of the ribbon cutting ceremony for the official opening of SightLife's Corneal Tissue Cutting Center at L V Prasad Eye Institute in Hyderabad. Your mission exemplifies the true meaning of caring for mankind."*

Indeed, the above statement expresses our vision and mission very eloquently and we are moving into the future with a firm resolve to continue this legacy.



Gullapalli N Rao  
Chair, Board of Trustees

## International

### Mohammad Javed Ali

- Comprehensive Ophthalmology Award at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; 17-20 January 2013.
- Comprehensive Ophthalmology Award for "RB1 Gene mutations and its clinical correlation" at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad. January 17-20, 2013.

### Shrikant Bharadwaj

- Australian Leadership Awards Fellowship (ALAF) from the Australian Government (AusAid) for three weeks in Sydney, Australia, to learn teaching and pedagogical skills.

### Taraprasad Das

- Invited to join the International Council of Ophthalmology (ICO) Task Force on Diabetic Eye Care.
- Elected Regional Chair, South East Asia region, International Agency for Prevention of Blindness (IAPB); 17-20 September 2012.
- Appointed Professor of Ophthalmology, Zhongshan Ophthalmic Center, and Member, International Advisory Board, State Key Laboratory, both at Sun Yat-Sen University, Guangzhou, China; December 2012.
- Inducted as Member, Editorial Board of Ophthalmic Research.
- APAO Achievement Award conferred at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; 17-20 January 2013.

### Sujata Das

- B K Narayan Rao Oration Award, joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; January 17-20, 2013.

### Anthony Vipin Das

- Named among "Top 20 Innovators

Under 35" in India for leading the EMR (Electronic Medical Records) system implementation at LVPEI by Technology Review India, published by MIT.

### Prashant Garg

- Invited as board member of the International Joint Commission on Allied Health Personnel in Ophthalmology (IJCAHPO).
- Appointed Chair of International Council of Ophthalmology (ICO) Subcommittee on Allied Health Education.
- APAO Achievement Award conferred at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; 17-20 January, 2013.

### Santosh Honavar

- APAO Achievement Award conferred at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; 17-20 January 2013.

### Subhadra Jalali

- P Siva Reddy Oration at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; 17-20 January, 2013.
- Evaluation of a manuscript, 'The relationship between cord blood cytokine levels and perinatal factors and retinopathy of prematurity, a gestational age-matched case-control study' received the ranking of "Exceptionally Good Review" by the Investigative Ophthalmology & Visual Science Editorial Board.

### Ramesh Kekunnaya

- Invited to continue on the Professional Education Committee of the American Association for Pediatric Ophthalmology and Strabismus (AAPOS); 1 January–30 December 2013.
- International Ophthalmologist Education Award by the American Academy of Ophthalmology (AAO) in October 2012.

### Rohit Khanna

- Appointed member of the Education Committee on "Training Teams to Meet Public Needs," an International Council of Ophthalmology (ICO) initiative, chaired by Dr Babar Qureshi.
- Junior Achievement Award by the American Academy of Ophthalmology; 2012.

### Kaustubh Mulay

- Best Paper in Ocular pathology and tumours session at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; 17-20 January, 2013.

### Milind Naik

- APAO Achievement Award conferred at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; 17-20 January 2013.

### Niranjan Pehera

- Best paper in Neuro-ophthalmology session at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; 17-20 January, 2013.

### Harsha BL Rao

- Article on 'Behavior of visual field index in advanced glaucoma' (*Investigative Ophthalmology & Visual Science*, 2013) has been recommended as being of special significance in its field by Chris Johnson from the F1000 Faculty.

### Gullapalli N Rao

- GOH Naumann Award by the International Council of Ophthalmology (ICO); 19 January 2013.
- Association of Eye Banks of Asia's inaugural award at the 3<sup>rd</sup> Asia Cornea Society Biennial Scientific Meeting in Manila, Philippines; 27-29 November 2012.
- Global Achievement Award by the 9<sup>th</sup> General Assembly of the International Agency for the Prevention of Blindness (IAPB); 17-20 September 2012.

### V Rajashekhar

- Eye Health Hero at the 9<sup>th</sup> General Assembly of the International Agency for the Prevention of Blindness (IAPB); 17-20 September, 2012.



Mr Bob McMullan, President, IAPB, presents the 'Eye Health Hero' Award to V Rajashekhar; left, Mr Christian Garms, outgoing President, IAPB

### Virender Sangwan

- Invited to Executive Committee of International Krpro Society at Bascom Palmer Eye Institute, Miami, Florida, USA; 2012.

### Sirisha Senthil

- Best of Session award for "Glaucoma in Boston Keratoprosthesis", joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society, Hyderabad; 17-20 January 2013.
- Article 'Treatment outcomes in malignant glaucoma in Ophthalmology' was featured in www. MDLinx.com site on 8<sup>th</sup> February 2013.

### T Shyamsunder

- Article on 'Evaluation of corneal elevation and thickness indices in pellucid marginal degeneration and keratoconus' in the *Journal of Cataract & Refractive Surgery* was featured on the www. MDLinx.com site.

### Preeji Sudharman

- Article 'RGP contact lens fitting in keratonus using FITSCAN technology' in *Contact Lens and Anterior Eye* was featured on www. MDLinx.com

### Mudit Tyagi

- Third prize for video at the 12<sup>th</sup> European Society of Retina Specialists (EURETINA) Congress, Milan, Italy;

co-authors: Rajeev R Pappuru, Vivek Dave and Divya Balakrishnan; 6-9 September 2012.



Dr Gisbert Richard, President, EURETINA, presents the award to Dr Mudit Tyagi

### Pravin K Vaddavalli

- Best Poster award at the American Academy of Ophthalmology (AAO) annual meeting in Chicago; co-authored by his collaborators at Bascom Palmer Eye Institute.

## National

### Mohammad Javed Ali

- Healthcare Leadership Award for research and innovation in Dacryology by KRDWG, a national NGO in New Delhi.

### Nikhil Choudhari

- Best Video award at the 22<sup>nd</sup> Glaucoma Society of India meeting, Coimbatore; 5-7 October 2012.

### Taraprasad Das

- Padma Shri in Medicine by the Government of India; January 2013.



Dr Taraprasad Das receiving his Padma Shri from the President of India Shri Pranab Mukherjee

- Prof Sohan S Harey Oration and Award at the Vitreoretinal Society of India meeting.

### Subhadra Jalali

- Dr B B Jha oration at the annual

meeting of the Indian Academy of Pediatrics - Neonatology Chapter; November 2012.



- Dr S N Mathur Memorial Lecture at the Indian Medical Association (IMA), Hyderabad, on March 16<sup>th</sup> 2013, on 'Newborn Eye Screening and Retinopathy of Prematurity'.
- Dr N D Lakhanpal Memorial Lecture on the 7<sup>th</sup> Founders Day of the Advanced Eye Centre at PGI Chandigarh on 18<sup>th</sup> March, 2013.

### Jennifer Jayaraj

- Best Poster Presentation in Clinical Sciences, first Indian Eye Research Group - India ARVO chapter meeting, LVPEI, Hyderabad; 28-29 July 2012.

### Inderjeet Kaur

- Invited to serve on the Editorial Board of the Journal of Genetics.

### Savitri Maddileti

- Best Poster Presentation in Basic Sciences, first Indian Eye Research Group - India ARVO chapter meeting, LVPEI, Hyderabad; 28-29 July 2012.

### Neha Mohan

- Dr Narsing Rao Best Paper award for "PCR analysis of serpiginous like choroiditis" at 12<sup>th</sup> Uveitis Society of India Meeting at Bhubaneswar; 1-2 December 2012.

### Aditi Pujari

- Best Video Gold Medal at the annual Oculoplasty Association of India (OPAI) meeting, Amritsar; co-author: Mohammad Javed Ali; 26-28 October 2012.

### G Chandra Sekhar

- Prof. L P Agarwal Oration on 10<sup>th</sup> March 2013 at the Dr Rajendra Prasad Centre for Ophthalmic Sciences, AIIMS on their 46<sup>th</sup> Foundation Day.

- Received the Best Single Specialty Hospital (Ophthalmology) award for LVPEI at the ICICI Lombard & CNBC TV 18 India Healthcare Awards 2012 from the Deputy Chairman of the Planning Commission, Mr. Montek Singh Ahluwalia, on 9<sup>th</sup> March 2013.



*Dr G Chandra Sekhar receiving the ICICI Lombard & CNBC TV 18 India Healthcare Award from Mr Montek Singh Ahluwalia*

#### Sirisha Senthil

- First Prize in video category, 22<sup>nd</sup> Annual Meeting Glaucoma Society of India – Glaucons 2012; Coimbatore; co-author: Paaraj Dave; 5-7 October 2012.

#### Savitri Sharma

- S C Agarwal Oration Award at the 36<sup>th</sup> National Conference of Indian Association of Medical Microbiologists, New Delhi; 23 November 2012.

#### Rebecca Sumalini

- Best Poster Presentation in Clinical Sciences, first Indian Eye Research Group – India ARVO chapter meeting, LVPEI, Hyderabad; 28-29 July 2012.

#### Pravin K Vaddavalli

- “Polished apple” award for best teacher at EyePEP 2012, Hyderabad

## Regional

#### Mohammad Javed Ali

- Raghavachary Medal for his paper at the Andhra Pradesh Ophthalmological Society (APOS) meeting.

#### Subhabrata Chakrabarti

- Elected Member of the Guha Research Conference (GRC), 2012.

#### Taraprasad Das

- C S Grover Oration and Award by

the Uttarakhand Ophthalmological Society.

#### Subhadra Jalali

- Appointed Technical Advisor and Program In-charge of Neonatal Eye Screening (NES) and ROP-CAP (ROP control in Andhra Pradesh) program of NRHM and NPCB to set up ROP and newborn eye screening program.

#### Kaustubh Mulay

- “Ganne Subbalaxmi Endowment Award for Young Scientists” for his paper at the 30<sup>th</sup> Indian Association of Pathologists and Microbiologists -AP Chamber conference, Visakhapatnam, October 7-9, 2012. Co investigators: Dr PM Fairooz, Dr M Hasnat Ali, Dr Javed Ali and Dr Vijay Anand Reddy.

#### Virender S Sangwan

- Dr Biswas Oration award by the Ophthalmic Society of West Bengal; 16 December 2012.

#### Sirisha Senthil

- K Vengal Rao Medal for best paper in the K Vengal Rao session and the best paper in Mathur’s Best Paper Session at the Andhra Pradesh Ophthalmological Society meeting Guntur, October 12-14, 2012.

#### Savitri Sharma

- RMC best paper for senior faculty at the XVI Annual Conference of the Indian Association of Medical

Microbiologists (IAMM, AP Chapter), Visakhapatnam, February 8-10, 2013.



#### Bhamy Hariprasad Shenoy

- Swarup Medal for Best Video at the AP Ophthalmological Society meeting at Guntur 12-14 October 2012. Co-authors: Ramesh Kekunnaya, Amit Gupta, Pravin K Vaddavalli.

#### Mukesh Taneja

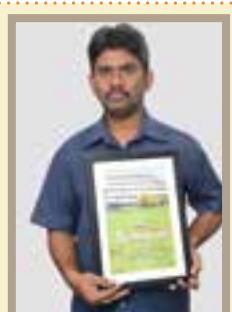
- Best Free Paper, Cornea (session 3); Delhi Ophthalmological Society annual conference; 6-7 April 2012.
- Best Free Paper, Cataract (session 8); Delhi Ophthalmological Society annual conference; 6-7 April 2012.

#### M Uma

- Best Poster Award at the E V Memorial Conference at Sankara Nethralaya, Chennai; co-authors: Rajeev Reddy, T Venkata Amarnath and B L Harsha Rao; 18 March 2012.



*LVPEI won the NABARD Award for Rural Innovations 2012 for ‘Digitisation of Medical Records’. Of the 1400 entries received, LVPEI stood first in the Academic/ Research Institution Category and in the Technology Sector. Finance Minister Mr P Chidambaram and Rural Development Minister Mr Jairam Ramesh presented the award to Dr Anthony Vipin Das in New Delhi on 17 October 2012.*



*Award for Best Garden: The gardens maintained by LVPEI at the BLSO campus, Kismatpur, won 2<sup>nd</sup> prize at the Garden Festival conducted by the Department of Horticulture, Govt. of India, 1-15 Jan 2013.*



## SightLife Facilitates Corneal Transplant Centre

The SightLife Advanced Tissue Preparation Centre was inaugurated at LVPEI's Ramayamma International Eye Bank (RIEB) by the Washington State Governor Ms Christine Gregoire on October 3, 2012. SightLife is supporting the centre, while North Carolina Eye Bank has trained RIEB's technicians. The centre also received a donation from Micro Medical Devices, USA.

## LVPEI Expands its Footprint to Karnataka

February 13<sup>th</sup> 2013 marked the launch of LVPEI's services in the state of Karnataka. The institute's 11<sup>th</sup> secondary care service centre, the Y Mahabaleshwarappa Memorial Eye Centre in Bellary, launched its outpatient services. Built on 3.5 acres of land, the 20,000 sq ft facility is located on Talur Road, on the outskirts of Bellary, and is funded by a generous donation from M/S Y Mahabaleshwarappa & Sons, Bellary.

Gracing the inaugural occasion were dignitaries Sri Sri Sri Pranava Swarupi Siddalingaswamy Galu of the Sri Tontadarya Math in Gadag; Reverend Dr Henry D' Souza, the Bishop of Bellary; and Sri Krishna Mohan Trivedi, General Manager, SBI, Bangalore.



*Y Mahabaleshwarappa Memorial Eye Centre in Bellary*



*Dr Rao with the attending dignitaries*



*Ground breaking of the Edward and Soona Brown Eye Centre*

## Groundbreaking Ceremony of 12<sup>th</sup> Secondary Centre

Close on the heels of inaugurating a secondary centre, the groundbreaking ceremony of yet another secondary centre, the Edward and Soona Brown Eye Centre was formally performed on 28<sup>th</sup> January 2013. The centre is located in Dhulipalla village, Sattenapalli mandal of Guntur district, and is supported entirely by Mr Edward Brown and Mrs Soona Brown of France. Other dignitaries present included Mr Y Venkateswara Reddy, the local legislator, and Dr Gullapalli N Rao and Dr Padmaja K Rani from LVPEI.

## Five Vision Centres Dedicated

During the course of the year, five primary care vision centres (VC) were inaugurated – Two of them (Mandasa & Santhabommali) are linked to the Arogyavaram Eye Hospital & Contact Lens Clinic, Sompeta, in Srikakulam district. The other three centres (Vutukuru, Mylavaram & Pedapadu) are linked to the Vijayawada tertiary care campus. This brought the total number of primary care centres in the LVPEI network last year to 93.

The Vutukuru Vision Centre attached to the Kode Venkatadri Chowdary Campus in Vijayawada, Krishna district, was inaugurated on 23<sup>rd</sup> April 2012. The centre is supported by Latter-day Saints Charities, USA and Colonel (Retd) Inta Satyanarayana Reddy & Family.



Mylavaram Vision Centre in Krishna district was opened on 17 December 2012. The centre is linked to LVPEI Vijayawada and is supported by Latter-day Saints Charities, USA. Local support is from Sri Nivruth Rao garu, Trustee of Sri Rajah S V R G Narasimha Rao Charitable Trust, and Lions Club of Mylavaram.



LVPEI's 92<sup>nd</sup> Vision Centre was inaugurated on 4<sup>th</sup> January in West Godavari district in Pedapadu village and mandal. The Vision Centre was inaugurated by Smt. Ch. Sitaramamma garu. This centre is supported by LDS Charities, USA and is attached to the Vijayawada Campus. Local support for this centre has come from Chintamaneni Sitaramamma garu and family and Dr. Girish, Chief

Anesthetist, KIMS, Vijayawada and also LVPEI's Consultant Anesthetist at KVC Campus, Vijayawada.



*Mr KSR Prasad cuts the ribbon; also seen, Dr Girish and Mr Rajashekhar*

The Vision Centre at Mandasa in Srikakulam district was declared open on 30<sup>th</sup> December 2012. The new centre is linked to Arogyavaram Eye Hospital and Contact Lens Clinic, Sompeta and is supported by the Lavelle Fund for the Blind, Inc, USA. Sri Waddi Chandrasekhara Rao and Sri Mannarayana Youth Association, and Lotus Wireless Technologies India Pvt. Ltd, Visakhapatnam, also provided their support.



**L**VPEI's 93<sup>rd</sup> Vision Centre was inaugurated on 8 March 2013 at Santhabommali in Srikakulam district in association with the East Coast Development Foundation. The centre was inaugurated by Sri. A. Rama Rao Garu, Project Director, East Coast Energy Pvt. Ltd., (ECEPL) and is supported by the Lavelle Fund, USA.

It is attached to Arogyavaram Eye Hospital in Sompeta. Local support for this centre has come from Sri. Menda Appa Rao, Sri Kantha Rao, Sri Allu Rama Rao, Sri G Ramulu, and a few prominent villagers.



### Digital Audio Library Launched

The Kode Venkatadri Chowdary Campus saw the launch of a new Digital Audio Library for the visually impaired on 17 December 2012, with support from Cognizant Foundation. Mr Atmakuri Ramam, Vice President and Centre Head, Cognizant, Hyderabad, inaugurated the library in the presence of Dr G Chandra Sekhar, Vice Chair, LVPEI. The facility will provide audio CDs and MP3s of textbooks, preparatory books for competitive examinations, graduation course material, autobiographies and children's stories.



### Optical Glazing Lab Inaugurated

An optical glazing lab was inaugurated at the secondary care Nava Bharat Eye Centre at Paloncha on 13 August 2012 by Ms Emma Kennedy from Optometry Giving Sight and Eye Care Plus, who are supporting the glazing lab. Ms Kennedy also conducted a customer service and sales training program for the optical staff of all the main campuses.



*Ms Emma Kennedy unveils the plaque. Also seen, Mr Ghanshyam Singh, Head of Opticals.*

## LVPEI Hosts the Biggest IAPB General Assembly

The 9<sup>th</sup> General Assembly (9GA) of the International Agency for the Prevention of Blindness (IAPB), organized in conjunction with L V Prasad Eye Institute (LVPEI), was held at Hyderabad from 17-20 September 2012. The premier event in global eye health, the Assembly's theme was "Eye Health: Everyone's Business" and was inaugurated by the former President of India, Dr APJ Abdul Kalam. It was the biggest ever IAPB meeting with almost 1600 delegates from 87 countries, over 50 symposia, sessions and courses, 120 eminent invited speakers and more than 400 paper and poster presentations.



*Dr APJ Abdul Kalam inaugurates the Assembly*

## Wellcome Trust - LVPEI Joint Workshop

LVPEI collaborated with Wellcome Trust, London, UK, for a two-day workshop "Overcoming Boundaries: A Common Vision for Translational Eye Research," 31 October – 2 November 2012. The topics ranged from developing affordable medicines,

new diagnostic and vision enhancing devices, clinical trials and gene therapy, stem cell applications in corneal repairs and in glaucoma, and the audacious goal of transplanting an entire eye ball! The sidelights included a tour of LVPEI's Village Vision Complex at Thoodukurthy.



*Participants at the Wellcome Trust LVPEI joint workshop*

## Indo-US Symposium

To stimulate development of new strategies for diagnosing and treating complex eye diseases, a symposium on "Novel Tools and Themes in Vision Sciences" was held from 21-22 January 2013. The event, jointly organized by Dr Subhabrata Chakrabarti (LVPEI) and Dr Uday B Komella (University of Colorado Anschutz Medical Campus, Aurora, USA), was attended by about 50 participants, including 9 resource persons from USA.



*Delegates at the symposium*

## Sixth Annual Champalimaud Research Symposium

Conducted by the Champalimaud Translational Centre for Eye Research (C-TRACER 1) on 30 January 2013, the event had world leaders in ophthalmology, scientists, distinguished faculty from C-TRACER 2 at Coimbra in Portugal (Dr Luisa Ribeiro; Dr Andreia Rosa), and C-TRACER 3 at Sao Paulo in Brazil (Prof Jose Gomes; Dr Rubens Belfort Mattos Neto), Dr Leonor Beleza, President, and Mr Joao Botelho, Board Member, Champalimaud Foundation, Lisbon, Portugal.

The speakers included this year's Champalimaud Oration Lecturer, Prof David Williams from the University of Rochester, NY, USA, a special lecture by Prof Adrian Lee of Sydney, Australia, and two outstanding young scientists from India:

Dr Chetan Chitnis from New Delhi (on his efforts towards producing a vaccine for malaria, currently being field-tested in Southeast Asia) and Dr Imran Siddiqi of Hyderabad (on how he could retain hybrid vigour in plants by engineering clonal seeds through two genes).



*Prof David R Williams receiving the Champalimaud Symposium plaque from Dr G Chandra Sekhar.*



*Dr Leonor Beleza delivering her address.*

## Evidence 2012

To commemorate the Silver Jubilee celebrations of L V Prasad Eye Institute, a landmark symposium EVIDENCE 2012 was conducted from 31 May – 3 June 2012, which showcased cutting-edge evidence based medicine. It was attended by over 900 delegates and was conducted at the Hyderabad International Convention Center. It featured Focus Group Meetings and had specialized Faculty Courses delivered by experts.



*Dr Bruce E Spivey*



*Prof Rohit Varma*



*Prof Steven Feldon*



*Prof Jayakrishna Ambati*



*Martine J Jager*



*Prof Earl L Smith III*



*Dr Carol L Shields*



*Prof Narsing A Rao*

## Silver Jubilee Celebrations - Team LVPEI Runs Deep

L V Prasad Eye Institute celebrated its Silver Jubilee Anniversary on 1 June, 2012, with a grand event that aimed at paying a tribute to the LVPEI family - the team that powers the network - lauding their untiring efforts, passion and dedication in making the institute a globally renowned centre.

The large hall was packed with staff and their families, invited guests and donors, and faculty from all the campuses. Dr Gullapalli N Rao, Chair, LVPEI, said he was very proud of the achievements of the institute over the past two and a half decades. He thanked the staff for making the LVPEI dream a reality and also acknowledged the institute's donors and supporters for their unstinted support.

As a token of appreciation for the LVPEI team, and to commemorate the Silver Jubilee, a special silver coin was gifted to all employees. The coin was released by Prof Brien Holden, CEO, Brien Holden Vision Institute, Sydney, Australia, who also presented a plaque to Dr Rao.

Two commemorative books were released by Mrs Pratibha Rao and Mr Ramesh Prasad, Chair, Prasad Group, both major founding donors of the institute. *So that all may see* tells the story of LVPEI - its vision, mission and the people who strive to eliminate visual impairment. The book is produced by the Department of Communications. The second book, *Twenty Twenty: The Art and Aesthetics of L V Prasad Eye Institute* is a compilation of the fabulous paintings and art that are the hallmark of the institute's campuses. The book was put together by the institute's artist-in-residence, Mr Surya Prakash.

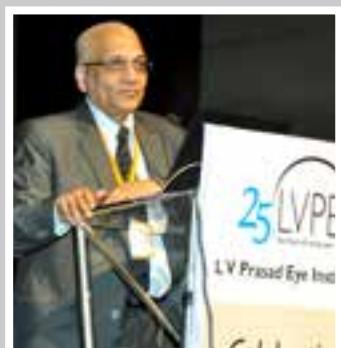
*The commemorative silver coin*



*Ms Vanita Ganesh*

One of the earliest employees, Ms Vanita Ganesh, who completed 25 years of service, shared the challenges, trials and triumphs of her early days. Dr Taraprasad Das, Director, Bhubaneswar campus, spoke about how the bonding between the employees led to the building of Brand LVPEI.

President of the International Council of Ophthalmology and Deputy Executive President of the Council of Medical Specialty Societies, Prof Bruce Spivey, considered the father of ophthalmology, commended the institute for its success in reaching out to the poor through its pyramid model of eye health care service delivery.



*Dr Taraprasad Das*

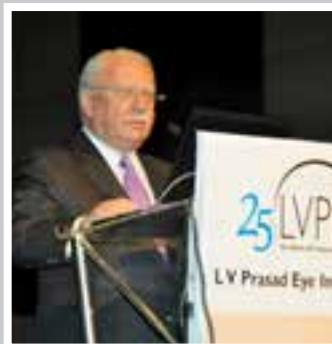


*Mrs Pratibha Rao (with Dr Savitri Sharma) and Mr Ramesh Prasad (with Dr Virender Sangwan) release the commemorative books (inset)*





*Prof Brien Holden presents a plaque to Dr Gullapalli N Rao*



*Dr Bruce Spivey*



*Dr Pravin V Krishna*



*Dr Avinash Pathengay*



*Dr Usha Gopinathan*



*Dr Sriram Sonty presents a bouquet to Mrs Mangala Bhatt*

One of the highlights of the evening was the video documentary of various LVPEI teams at work, especially compiled for the occasion by M Shobha, with an evocative script by Dr Pravin V Krishna. "LVPEI Runs Deep" touched upon all the departments and the behind-the-scenes people who enable world-class eye care service delivery to patients.

The last presentation was by Dr Avinash Pathengay, Associate Director, who shared a glimpse of the road ahead, with snippets of the vision of some of the faculty and staff, for possible directions for expansion.

To add color and joy to the evening was a performance by Smt Mangala Bhatt, world-renowned Kathak dancer. Dr Usha Gopinathan, Executive Director and an accomplished Indian classical dancer herself, introduced the various components of the performance, and Dr Sriram Sonty felicitated Smt Mangala Bhatt and her group. Dr Sonty, Clinical Associate Professor of Ophthalmology at the University of Illinois, Chicago, USA, was one of the founding members of LVPEI.

The evening ended with a vote of thanks by Korani Jyothi, followed by a gala dinner.



*CAVU head M Shobha with Korani Jyothi*



*A section of Team LVPEI*



## Kallam Anji Reddy Campus, Hyderabad

The Kallam Anji Reddy campus has come a long way indeed in 25 years. Way back in 1987, we began with a bed strength of 30; 15 each for paying and non-paying. Our projections at that time envisaged an eventual bed strength of 200, and we were on target with 110 beds in 1989. But by the early 90s, we had begun with same-day surgeries. Several surgeries performed under local anesthesia such as cataract, and some glaucoma and cornea, became outpatient procedures, with patients being discharged the same day. So by 1999, though we had built 6 levels of the building and doubled the operating rooms from 4 to 8, we had reduced the bed strength from 110 to 72. This was a trendsetting move by all means.

Today, the facility has 7 levels, sprawling over 160000 sft, with the first 4 floors bustling with an average of 1000 patients a day, and an equal number of attendants accompanying them. This past year, the facility had 262,866 outpatient volume of which 74,369 were non-paying, and 41,162 surgeries of which 18,135 were non-paying. In addition to these whopping numbers of patients, the other services at the Centre of Excellence that the facility houses, such as Research, Education, Eye Banking and Rehabilitation, collectively ensure a plethora of events, activities and visitors all through the year. We have now begun construction of a new building - a twin one - to stand us in good stead for the next 25 years.



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

## Nawab Arastu Yar Jung Bahadur Endowment Lecture

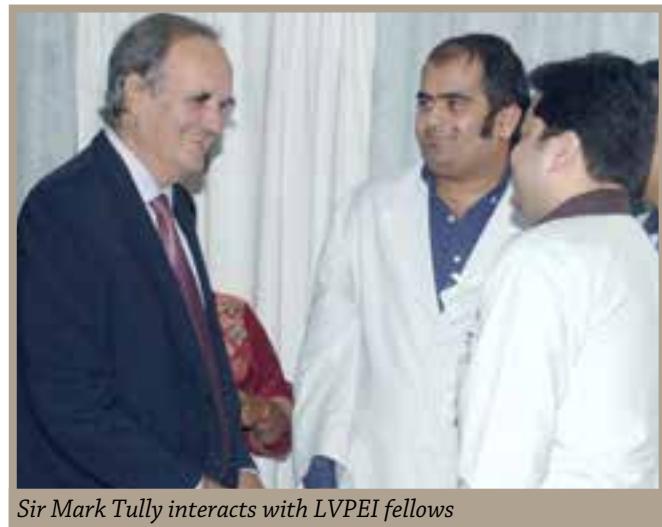
The Fourth Nawab Arastu Yar Jung Bahadur Endowment Lecture was delivered by Prof Rajvardhan Azad, Head of Vitreo-Retinal Diseases and ROP Services and Chief, Dr R P Centre for Ophthalmic Sciences, AIIMS, New Delhi, on 5 January 2013. Speaking on 'The Art, Science and Commerce of Medical Education in India', he gave a brief outline of the medical scenario in India and the measures required to improve it.



*Dr Taraprasad Das presents a plaque to Prof Rajvardhan Azad (left)*

## Mark Tully's Silver Jubilee Lecture

Sir William "Mark" Tully, eminent journalist, writer and broadcaster, delivered a special Silver Jubilee Lecture on 12 April 2012. He spoke on "India, an Economic Superpower by 2050?" The packed auditorium was captivated and engaged in a question and answer session for almost an hour, following the lecture .



*Sir Mark Tully interacts with LVPEI fellows*

## Syamala Bhaskaran Endowment Lecture

Dr Tarun Sharma, Medical Director, Sankara Nethralaya, delivered the annual Syamala Bhaskaran Endowment Lecture on "Combining Clinical and Research Acumen" on 29 September 2012. It was an inspiring lecture, based on over 25 years of his experience as a clinician, teacher and researcher. The lecture was especially inspirational for the younger generation, who are on the threshold of their careers.

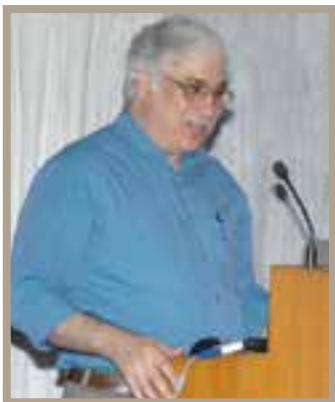


*Dr Taraprasad Das (left) and Dr G Chandra Sekhar present a commemorative plaque to Dr Tarun Sharma*

## Late Shri Pushkarlalji Tibrewala Public Lecture

Dr Umang Mathur, Medical Director, Dr Shroff's Charity Eye Hospital (SCEH), New Delhi, delivered the Late Shri Pushkarlalji Tibrewala Public Lecture on 25 August 2012. This annual memorial lecture and award for eye donation was instituted by Mr Om Prakash Tibrewala in memory of his late father Shri Pushkarlalji Tibrewala a few years back at L V Prasad Eye Institute, Hyderabad. (August 25, 2012)





## Spenta Wadia's Silver Jubilee Lecture

**P**rof. Spenta R Wadia, Distinguished Professor and Director, International Centre for Theoretical Sciences, Tata Institute of Fundamental Research, Mumbai was the invited guest speaker. He spoke on "What is this Higgs Boson or the God Particle?" on 31 August 2012.

## Visitors from Portugal

**T**he Secretary of State for Forestry & Rural Development, Government of Portugal, Mr Daniel Campelo and Cabinet member, Ms Sara Pereira, visited LVPEI on 18 October 2012. Also present were Dr Ana Esmeralda Costa and Dr Mafaldi Candido from the Ophthalmology Centre, Coimbra, Portugal, who were here for learning limbal explant culturing and stem cell work, for two weeks.



## IERG-India ARVO Chapter Meeting

**T**he first Indian Eye Research Group-India ARVO chapter meeting was organized by Dr D Balasubramanian, Dr Inderjeet Kaur and Dr Subhabrata Chakrabarti on 28-29 July 2012. There were 230 registered delegates and 133 presentations (8 invited talks, 52 free papers and 73 posters) in all.





L V Prasad Eye Institute, City Centre at Madhapur

## City Centre Celebrates 2 Years of Service

**L**VPEI's first City Centre at Madhapur, Hyderabad, completed two years of service on 16 August 2012. In two years, the centre has seen 32,087 patients: 18,973 new and 13,114 follow-up cases, and conducted 2686 surgeries.



Patient being screened at the City Centre

## Vision 2020 Workshop on Operations Management

**T**he Kallam Anji Reddy Campus hosted a two-day workshop 8-9 March 2013, held by Vision 2020: The Right to Sight - India on "Operations Management for Effective Eye Care Services".



## Pathology Meet

The Hyderabad-Secunderabad Twin Cities Pathology Meet on 30 November 2012 had approximately 100 delegates, including postgraduates and faculty from various medical colleges and hospitals.



## Biostatistics Workshop and Glaucoma Masters' Course

**A** Biostatistics Workshop and Glaucoma Masters' Course "Glaucoma: The Known and the Unknown" was conducted on 11 March 2012 for postgraduate students, practicing ophthalmologists and glaucoma specialists. It was attended by over 175 people at Kallam Anji Reddy Campus, as well as many more at Bhubaneswar, Visakhapatnam and Vijayawada campuses, via live videoconferencing.

## MoU with National Rural Health Mission

**L**VPEI signed a Memorandum of Understanding (MoU) with the Commissioner of Health and Family Welfare (Govt. of Andhra Pradesh) on 15 September 2012 to establish Newborn Eye Screening and Retinopathy of Prematurity (ROP) Control in Andhra Pradesh. This is to help identify serious eye problems in the newborn and to eliminate ROP blindness through an organized and efficient screening strategy.

## Building Community Support

**D**r Anil K Mandal organized his popular annual meeting of the Association of Parents of Children with Glaucoma (APCG) on 19 November 2012. The forum creates an avenue for a parents' support group, besides raising awareness about this disease with a surgical cure that's crucially dependent on early intervention.



*Dr Anil K Mandal seen along with the children*

## LVPEI-ALCON Diabetic Retinopathy Project Launched

The LVPEI-ALCON Diabetic Retinopathy Project aimed to focus on the identification of people with diabetes, hypertension, and those with a diabetes risk profile, was launched in November 2012.



## Foundation Day

The 26<sup>th</sup> Foundation Day celebrations on 17 October 2012 were marked by a variety of cultural programs by staff and students, prizes distributed for the fortnight-long sports activities, and commendation certificates to the staff completing 25, 20, 15, 10 and 5 years of service.



*The campus cricket league winners with their trophy.*

## Workshop for Rehab Staff

A workshop was conducted for the staff of the rehabilitation centre on "Early intervention program for the visually impaired and multiple disabled children" from 11-13 July 2012. Ms Sheela Sinha from Voice and Vision, Mumbai, was the invited faculty. Fifteen rehabilitation professionals from various campuses of LVPEI attended the program.

## Low Vision Awareness Program

The bi-annual Low Vision Awareness Program (LAP) organized by the Vision Rehabilitation Centres was held on 7 April 2012 with 100 participants, and on 21 September 2012 with 175 participants. India Vision Institute (IVI) played an important role. There were didactic lectures on low vision rehabilitation and a hands-on workshop, with demonstrations of conventional and hi-tech low vision devices.



*Faculty of the Low Vision Awareness Program*

## Glaucoma Awareness Walk

**A** Glaucoma Awareness Walk was conducted on 10 March 2013 as part of a series of activities to commemorate Glaucoma Awareness Week, 10-17 March 2013. The Walk commenced at 7 am from LVPEI to the Jubilee Hills Check Post, along the KBR Park, and back. Participants included Mr Ramesh Prasad, Chairman, Prasad Labs and Prasad Imax; LVPEI Consultants and staff and their families; with veteran Telugu actor Dr Akkineni Nageswara Rao flagging off the event.



## Workshop for Resource Centre Librarians

**T**his workshop, held from 18-20 March 2013, was funded by the Elsevier Foundation grant, with generous additional support from the Seva Foundation and LVPEI, and the cooperation of the Association of Vision Science Librarians (AVSL) "A Solution in Sight" project.





## Bhubaneswar Campus

This last year was a great one for the Bhubaneswar Campus which reflected an unswerving effort to enhance clinical and service excellence, while expanding into education and research.

In recognition, Dr Taraprasad Das, the founding director of the Bhubaneswar Campus, received Padma Shri award for Medicine in 2013. He was among the 108 Padma awardees announced for the 2013 Republic Day. Another feather in LVPEI's cap!

The Institute was awarded accreditation by the NABH (National Accreditation Board for Hospitals & Healthcare Providers) for its well-defined quality and patient safety protocols and adherence to accepted clinical standards in patient care.

The Bhubaneswar Campus rendered out-patient services to 97,418 patients and performed 10,281 surgeries during FY: 2012-13. Of these, 25% of out-patient services and 41% of surgeries were at no-cost-to-patients from the economically underprivileged section of society.

Continuing with our tradition of "Visiting Faculty" program, Prof. Ramanjit Sihota of Dr R P Centre for Ophthalmic Sciences, AIIMS, New Delhi, spent time with the trainees and consultants and delivered the C S Bhaskaran Lecture on the 'Role of Imaging in Glaucoma'. A two-day Glaucoma Symposium on 'Optic Nerve, IOP and Beyond' was also conducted.

The 3<sup>rd</sup> Bijayananda Pattanaik Memorial Lecture on 'Compassion in Eye Care: Lessons from Combat Blindness International' was delivered by Prof Suresh R Chandra, Professor of Ophthalmology & Director, Division of International Ophthalmology, Department of Ophthalmology and Visual Sciences, University of Wisconsin School of Medicine and Public Health, USA, and Founder-Chairman of Combat Blindness International.

In 2012–2013, the faculty of Bhubaneswar Campus produced 42 peer reviewed publications in some of the most renowned journals, chapters in books, and other writings that include book reviews, articles in newspapers, magazines and reports. With this, the total number of publications is 212 since inception in July 2006.

Dr. Suryasnata Rath finished his one year training in Vancouver, Canada and joined back. He received the 'Best Paper Award' at the APSOPRS-2012 held in Singapore. Dr. Savitri Sharma was awarded 'RMC Best Paper for Senior Faculty' at the XVI Annual Conference of the Indian Association of Medical Microbiologists (Andhra Pradesh Chapter) held in Visakhapatnam. Dr. Soumyava Basu has been chosen to lead the 'International Working Group on Ocular TB' to be held in the Philippines in 2015.

LVPEI Bhubaneswar observed the Glaucoma Awareness Week in March 2013 with Glaucoma Awareness Walk, a week-long special glaucoma screening, an integrated Fun-Camp for children with visual impairment, and a Patient Education Forum. The 1<sup>st</sup> Fun-Camp was attended by 33 visually challenged children and their siblings.

The 12<sup>th</sup> Annual Meeting of the Uveitis Society of India, 1-2 December 2012, was attended by 132 delegates from India, Bangladesh, Sri Lanka and Turkey. The focus was on 'Overlapping Clinical Features of Infectious and Non-Infectious Uveitis'.

We look forward for a prosperous and successful year ahead.

Sujata Das  
Director,

*Bhubaneswar Campus, Bhubaneswar*

## Glaucoma Symposium

The “Glaucoma Symposium: Optic Nerve, IOP & Beyond” 21-22 July 2012, comprised lectures, glaucoma-based science, clinical challenges, a mix of old, current and evolving trends in glaucoma diagnosis and management, and hands-on training by experts. There were 35 delegates in all and faculty from across all campuses participated.

Prof Ramanjt Sihota from Dr RP Centre for Ophthalmic Sciences, AIIMS, New Delhi, delivered the C Syamala Bhaskaran Lecture on “Long Term Prognosis of Glaucoma in India” and planted a sapling in commemoration. She also delivered the guest faculty lecture on July 24<sup>th</sup>, speaking on the role of imaging in glaucoma.



*Dr Ramanjt Sihota with the faculty and staff, planting a tree*



## Third Bijayananda Patnaik Memorial Lecture

Prof Suresh R Chandra, Professor of Ophthalmology and Director, Division of International Ophthalmology, Department of Ophthalmology and Visual Sciences, University of Wisconsin School of Medicine and Public Health, USA, and Founder-Chairman, Combat Blindness International, was the invited guest at the event on January 28<sup>th</sup>. He delivered a lecture on “Compassion in Eye Care: Lessons from Combat Blindness International”.

## Uveitis Society of India's Annual Meeting

The 12<sup>th</sup> annual meeting of the Uveitis Society of India, 1-2 December 2012, was attended by 132 delegates from India, Bangladesh, Sri Lanka and Turkey. Seven international and 17 national faculty participated. The focus was on “Overlapping clinical features of infectious and non-infectious uveitis”. The delegates were also treated to the world famous Konark Dance Festival on December 1.



*From left: Dr Jyothi Biswas, Sankara Nethralaya; Dr V S Sangwan, LVPEI; president of USI Dr Sudha Ganesh, Sankara Nethralaya; Prof Narsing Rao, Doheny Eye Institute; and Prof Amod Gupta, PGI.*

## Progressive Lens Workshop

A workshop on “Varilux Academy Asia Pacific Education Program on Progressive Addition Lenses Dispensing” was conducted by Essilor on 9 September 2012, with optometry students, interns and senior optometrists participating. Discussions and interactive sessions focused on troubleshooting for progressive lenses.



*Participants at the workshop*



## Rehabilitation Centre Creates Awareness

The NTPC Centre for Sight Enhancement and Rehabilitation for the Visually Challenged participated in the 8<sup>th</sup> annual program of the All Odisha Students Union of the Visually Impaired on 23 January 2013. Sirajum Monira and Sumita Lima displayed assistive devices. About 200 visually impaired students attended the program from various parts of Odisha. Mr Arun Kumar Sahoo, Minister of Energy & Information and Public Relations, presented prizes and certificates to students. The stall received great response and succeeded in making many people aware of the advanced technology and low vision services available.

## Clinico-Pathology Meet Held

The Twin Cities Clinico-Pathology Meet on 15<sup>th</sup> November discussed “Challenges in Diagnoses of Ocular Adnexal Lymphoma”. Prof Valerie White from the University of British Columbia, Vancouver, was the faculty. It was well attended by Pathology Department representatives of various medical colleges in Odisha.



*Prof Valerie White adopting a tree in the LVPEI garden*



The Awareness Walk on March 10<sup>th</sup> was followed by a Patient Education Forum with Prof. Krushna Charan Padhy as invited speaker.

## World Glaucoma Week

A series of activities marked Glaucoma Awareness Week, March 10 – 17, 2013. The focus this year was on early detection and prevention, the importance of screening family members of patients with glaucoma, and educating the public on the harmful effects of prolonged steroid use.

## Nurses Day Celebrations

International Nurses Day was celebrated on May 12, 2012, at Bhubaneswar campus. The nurses renewed the oath of service and compassion.



## Ocular Tuberculosis Workshop

A National Workshop on Ocular Tuberculosis was conducted on 3 December 2012. The following day, Prof Narsing A Rao from the Doheny Eye Institute, LA, USA, delivered a lecture on "Current controversies in the management of sympathetic ophthalmia."



## Carl Zeiss Team Visits

Mr Ludwin Monz, Carl Zeiss Meditec, Germany, and Mr Srinivasan Vaidyanathan, Carl Zeiss Bangalore, visited the campus on 29 August 2012. Dr Taraprasad Das, Director, Bhubaneswar campus, spoke of the progress so far and the road map for the future.



## GMR Varalakshmi Campus, Visakhapatnam

We entered our 6<sup>th</sup> year of operation on July 6<sup>th</sup> 2012 with an inspiring speech by our close friend, well wisher and philanthropist, Mr O Naresh Kumar. The event was preceded by a month of exciting sporting competitions among the staff and ended with a cultural program with performances by the staff and mentally and visually challenged children from 2 special schools.

Our patient care saw a 16% hike in outpatients and a 15% hike in surgeries, with 50% of these being absolutely free. Almost half of these surgeries were cataracts and the remainder, complex retinal, corneal, glaucoma, oculoplastic and squint surgeries. What was surprising was the number of youngsters over 18, interested in freeing themselves from spectacles and thus we performed over 600 LASIK refractive surgeries this year.

The Amblyopia Clinic, a new initiative by Dr Avinash Pathengay and Dr Virender Sachdeva, was launched by the Collector Mr Satyanarayana, with the aim of having a special facility to treat children with lazy eye. A self help vision screening chart for children was also unveiled. Teachers at various schools all over the city were taught how to record vision and identify subnormal vision.

Glaucoma, the sneak thief of sight, which is one of the burgeoning causes of blindness, is largely under-diagnosed and significant efforts were made by Dr PVKS Varma and the team in spreading awareness. We organized a Glaucoma Walk and a public education forum as part of Glaucoma Week.

The Mohsin Eye Bank, a true community eye bank housed in our premises started in 2001 by the Vebart Trust, provides corneas to several corneal surgeons within LVPEI Visakhapatnam, Andhra Pradesh and beyond. This year it witnessed a tremendous 80% increase in corneal transplants, an effort lauded by SightLife International, an international eye bank, based in Seattle, USA. The Mohsin Eye Bank has also become part of the Cornea Distribution System (CDS) and sends surplus corneas to corneal surgeons all over the country.

We inaugurated two more Vision Centres at Mandasa and Santhabommali in Srikakulum, taking the total of Vision Centres in north coastal Andhra Pradesh to 12. These new VCs are affiliated to Arogyavaram Eye Hospital at Sompeta and have been established with tremendous community support through the untiring efforts of Dr PVKS Varma.

The community eye care team has been extremely active with door to door screening of houses in villages and schools. They have also conducted an awareness and screening program for drivers in association with the Road and Transport Association.

The coming year promises to be as exciting and eventful. We look forward to launching the Pathak Education Centre to take our education and research activities to the next level. With the support of the entire team, we are sure that we will achieve our goals for the coming year.

Merle Fernandes  
Director,  
G M R Varalakshmi Campus, Visakhapatnam

## 6<sup>th</sup> Anniversary Celebrations

The GMR Varalakshmi campus celebrated its 6<sup>th</sup> anniversary on 7 July 2012. The evening's program began with a welcome address by Dr PVKS Varma and a talk by Dr Merle Fernandes on the institute's 6-year journey. Dr Avinash Pathengay introduced the chief guest and major donor Mr O Naresh Kumar, Head, Symbiosis Technologies who also presented certificates to the Best Employee of the Year, Mr G Balakrishna Murthy, Biochemistry Department, the staff who had completed 5 years of service and JAWS certificates to rehab clients. Children from Sunflower Silver Jubilee Convent School and the Government Residential School for Visually Challenged Girls gave wonderful dance performances.



*Staff participating in various games, sports and other activities*



*Students of the Government Residential School for Visually Challenged Girls*



## Free Screening

Free Screening for about 500 children was conducted on 18 November at the City Centre and at Jawahar Navodaya School.



## Teacher Training Program

125 primary school teachers participated in a Teacher Training Program initiated on November 1<sup>st</sup> to help with early detection of eye problems in school children. Mrs. G Rekha, pediatric optometrist, conducted the classes at various schools.

## Eye Screening at Eenadu Good Health Show

The LVPEI stall at the 'Eenadu Good Health Show' at Swarna Bharati Indoor Stadium 2-3 March 2013 showcased optical and non-optical devices, patient education brochures and conducted free eye screening. With more than 2000 people visiting the stall, 1000 people screened, cataract identified in 96 patients, other vision problems detected in 154 patients, glasses prescribed to 213 patients, and 250 patients referred to the tertiary care campus for further evaluation and treatment, the stall was indeed a huge success, highly appreciated by both the visiting public and the Eenadu News Channel.





## Fun Camp

The Fun Camp on 9 December 2012 at Kailasagiri Park had over 20 children with visual impairment, and an equal number of siblings, family members, staff and volunteers participating. The camp helped the visually impaired children increase their learning capacity for new activities and improve their social skills.

## Experiences

I visited this hospital as my vision was very hazy. Dr Virender (Sachdeva) treated me. I had been to a Chennai hospital, where people frightened me about my eye condition. So I came back to this hospital. I am satisfied with the treatment as my vision has improved a lot. I thank LVPEI, especially Dr Virender.

P Dhara Singh,  
Vizianagaram  
September 2012

Mr Dhara Singh is a 16-year-old student from Srikakulam. Dr Sachdeva diagnosed him with 'steroid dependent optic neuritis', a rare condition. He was treated and advised to come for frequent follow-ups. Now his problem has cleared and his vision has improved.

After LVPEI Visakhapatnam was established, I went there for an eye check-up in the month of October 2008. I had developed glaucoma by then. Dr PVKS Varma advised me to undergo laser treatment, which I did - at monthly, quarterly and half-yearly intervals - depending on the pressure in my eyes.

Since then I have visited the hospital many times. The hospitality, cooperation and assistance by the staff and Dr Varma is unimaginable, particularly the practice of welcoming patients with a Namaste. During my vast experience with the hospital, I felt that the staff were not working for their livelihood but for serving the patients. In one word, this institution is a VIP hospital for the poorest of the poor.

On 23 November 2012, I underwent surgery in my right eye. Dr Varma played a vital role in reassuring me. The staff working under him, Mr Gopal and Ms Pushpa, also work with a motive of service. LVPEI is not a hospital; it is a 'seva kendram' for the poorest of the poor in society.

K Rama Krishna Das, Retd Tahsildar,  
Kothapeta village, Srikakulam district, Andhra Pradesh  
15 December 2012



## Free Screening for RTA Drivers

**O**n 14 July 2012 free screening programs for transport drivers of autos, buses and trucks was organized in association with the Road Transport Authority (RTA) and the Police Department. The program was aimed at identifying eye problems among drivers and suggesting appropriate interventions to reduce accidents and injuries. The Chief Guest, City Police Commissioner Mr Poorna Chandra Rao, delivered a speech on road accidents, safety precautions and eye care. A total of 310 drivers were screened.



## Actor Nani's Visit

**T**elugu film actor Nani (of 'Eega' fame) visited the GMR Varalakshmi campus on July 16<sup>th</sup>, along with Mr O Naresh Kumar. Nani spoke about diabetes, pointing out that in films the fights are between heroes and villains, but in real life often the villain is our poor health; hence, we need to be alert and take care of it.

## Amblyopia Clinic

**A**n Amblyopia Clinic was launched at the City Centre on the occasion of Children's Day. It was inaugurated by the Collector of Visakhapatnam, Mr V Seshadri on 15 November 2012. An Illuminated Vision Self Test Chart designed in-house enabled eye screening of school children to identify cases for early intervention. Financial support for this initiative was courtesy Mr O Naresh Kumar, CEO, Symbiosis Technologies.





## Kode Venkatadri Chowdary Campus, Vijayawada

**A**fter a very active first year, the campus is maturing and growing on every front. The advantage of location in a rural area was fully exploited by providing access to excellent care to the rural population and making it equitable. The campus has matured with lush green and colorful gardens and an impeccably clean ambience. Most of the members of our team were recruited out of their respective education programs and are relatively young. The vitality of youth is quite evident in the vibrancy on campus.

Patient volumes have multiplied despite initial concerns about geographic location. All subspecialties have registered progress. The special attraction on this campus is The David Brown Children's Eye Care Centre, the best designed of such centres in our network. The centre has gained popularity as it is only one of the three or four Children's Eye Care facilities in coastal Andhra Pradesh. The clinical services are complemented with community eye care programs. A cluster of vision centres along with six of the secondary centres are linked to this campus and the communication and referrals have improved over the year.

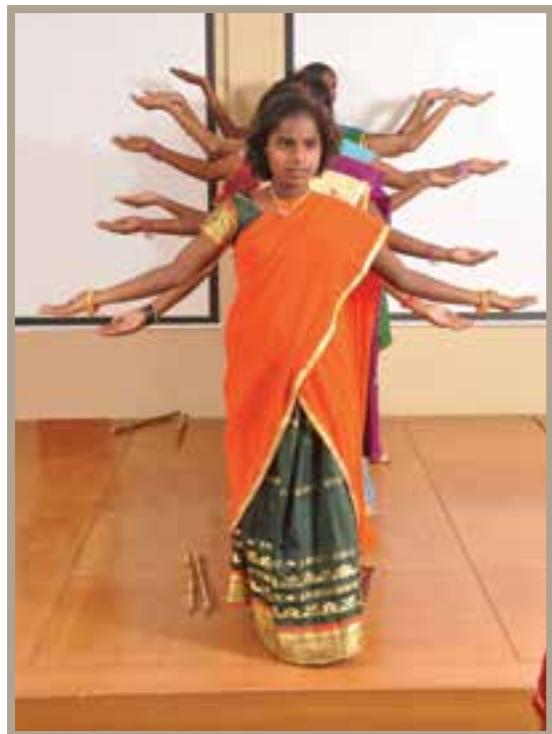
Education activity has increased with the rotation of several trainees in ophthalmology, optometry and nursing. Continuing education programs are also being held, perking up good interest for residents and practitioners in the neighboring area. In the area of low vision and rehabilitation, we have inaugurated a digital recording studio funded by an IT corporation, Cognizant, and a Theme Park for rehabilitation training is on the cards, funded by Microsoft.

Overall, there has been significant progress during the year along the lines of our strategic plan. In addition, high quality eye care services are now made available to a large section of the population, which was hitherto underserved.

Dr Avinash Pathengay  
for  
the Kode Venkatadri Chowdary campus team

## Anniversary Celebrations

The Kode Venkatadri Chowdary campus at Tadigadapa celebrated its 2<sup>nd</sup> anniversary on February 16, 2013. Dr Gullapalli N Rao and Dr Avinash Pathengay addressed the gathering, best employee awards were given out, and prizes for the various games organized to commemorate the occasion were distributed. The program was rounded off with much fun and frolic accompanying the cultural performances by staff and children from Tulip Garden, an Orphanage for HIV positive children.



*Anniversary celebrations of the Kode Venkatadri Chowdary campus.*

## 2<sup>nd</sup> Anniversary of The David Brown Children's Centre

The commemorative program on January 29<sup>th</sup> had Mr Edward and Mrs Soona Brown share their satisfaction that their hard-earned money was being utilized well and the son they had lost 30 years ago was being remembered for a good cause. Dr Niranjan Pehera showed them a video film on the progress of the centre over the last two years and its plans for the future. Dr Gullapalli N Rao gave away the prizes to the winners of the essay competition for pediatric postgraduate students.



*Dr G N Rao releasing the Annual Activity report along with Mr Edward and Mrs Soona Brown.*

## Glaucoma Basic and Masters' Program

This program on 17 March 2013 was conceptualized for general ophthalmologists, practicing glaucoma specialists and postgraduates. Besides strengthening the basic concepts, it focused on current trends in the diagnosis and management of glaucoma, treatment failures and management of complications. It had an interesting mix of didactic and interactive sessions.

## Glaucoma Education Forum

The Vijayawada campus held a glaucoma education forum at the City Centre on 15 October 2012, with 75 participants including former patients. A video presentation with a lecture on glaucoma was followed by a question and answer session with the public. Dr Pradeep K Reddy answered the queries.



## First Integrated Fun Camp

The first Integrated Fun Camp at Vijayawada on 16<sup>th</sup> March had about a hundred participants including visually challenged and multi-handicapped children, their parents, siblings, volunteers and staff who took part in the various games organized especially for them and displayed their amazing talents.



## Parents Support Group

**A**bout a 100 people from 34 families participated in the parents' support group meeting on childhood cataract on 25 August 2012. The program sought to make parents aware that their active involvement was crucial, without which even a good surgery could be functionally ineffective.

## Patient Education Forum

**A**Patient Education Forum was conducted on 22 September 2012 and a press meet organized at the City Center to introduce a cataract self assessment tool developed in-house. It was given to all the attendees and widely appreciated by all including the media.

## Vijayawada Oculoplasty Update

**T**he campus conducted an Oculoplasty Update on 30 December 2012 to highlight common oculoplasty procedures for the comprehensive ophthalmologist. It comprised interactive didactics, a video session discussing common surgical procedures, and a Botulinum toxin live injection workshop.



*Participants at the Oculoplasty Update*



## Glaucoma Awareness Week

Free glaucoma screening at the City Centre; a Glaucoma Walk with about 100 participants, including staff, and Vasavya and RG Foundation, a talk on Radio Mirchi and a live interview on Siti channel by Dr Pradeep Kumar Reddy, and a Public Forum, in which the audience clarified their doubts were the various activities that marked Glaucoma Awareness Week, 10-17 March 2013.

## Children's Eye Care Week Celebrated

The following activities were conducted as part of Children's Eye Care Week, 14-20 November 2012.

- Parents Support Group meeting for squint: This was a morale-booster for parents in managing their children with squint.
- Special school screening for the differently abled children: About 175 children were screened by a team comprising an Optometrist, a Rehab specialist, a Vision Technician and a Community Health Worker.
- Street plays to raise eye health awareness were conducted with scripts written especially to dispel myths about squint and cataract surgery, and a professional street theatre troupe enacted it in various parts of the city to deliver the key messages.
- A hands-on workshop for Pediatrics postgraduates was conducted to sensitize them about their role and equip them with necessary skills such as performing a red reflex test, Hirschberg's test and a basic torch light eye examination.
- Painting competitions were held where 45 schools submitted 1200 entries on a relevant eye health related topic for three categories of contestants: junior, senior and differently abled.
- A Child Eye Care Helpline was inaugurated to provide 24 x 7 telephone helpline services to parents for queries related to children's eye care.



## Alumni News

- **Nagaraju Konda**, research optometrist, University of New South Wales, won the Grand Prize in Ocular Photography at the American Academy of Optometry in Phoenix; 23-27 October 2012.
- **Jatin N Ashar** won the best poster award at the American Academy of Ophthalmology (AAO) annual meeting, Chicago, USA for the year 2012; co-authors: Pravin K Vaddavalli, Muralidhar Ramappa, Sunita Chaurasia and Somasheila Murthy.
- **Shivani Pahuja** bagged the T P Agarwal Trophy for Best Free Paper, Cornea (session 2) at the Delhi Ophthalmological Society annual conference; 6-7 April 2012.
- **Neha Bharati** won the Best Free Paper (session 7) at the Delhi Ophthalmological Society annual conference; 6-7 April 2012.
- LVPEI reaped a rich haul of awards at the joint meeting of the 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress and All India Ophthalmological Society at Hyderabad; 17-20 January 2013. Among those who bagged awards were **Archana Singh** (Cornea) and **Savari Desai** (Oculoplasty).
- **Dr Ramesh Murthy** won several distinctions this past year - the Bell Pharma Award for Innovation in Eye Surgery at 'Moscon' Maharashtra Ophthalmological Society meeting at Mahabaleshwar, 12-14 October 2012; the Dr. Hanumantha Reddy Best Video Award at the 19<sup>th</sup> Annual Conference of the Strabismological Society of India at Rohtak, Haryana, December 2012; the Maximum Number of Cases Award at the Eye and Beyond 2012-2013, Pune Ophthalmic Society; the Physician Recognition Award from the American Medical Association, January 2013; and the LEO Award from the American Academy of Ophthalmology, January 2013.



Also, under the directorship of Dr Ramesh Murthy, Axis Eye Clinic, Pune, a unique superspecialty clinic focusing on Oculoplasty, Squint, Pediatric Ophthalmology, Cosmetic Eye Surgery, Custom made artificial eyes and Low Vision aids, has completed two years, and is attracting patients from the neighboring states and from the Gulf countries, Africa and Europe.



*Cornea alumnus **Dr Swapnali Sabhapandit** was honoured with the Dr G Sitalakshmi Gift of Sight Award at Sankara Nethralaya, Chennai. Mr Mike Nithavrianakis, British Deputy High Commissioner, Chennai, presents the award to Swapnali, along with Chairman Emeritus of Sankara Nethralaya, Dr S S Badrinath.*



***Tariq Reza Ali** was awarded the Matin Gold Medal at the conference of the Ophthalmological Society of Bangladesh; 26 February 2013. Prime Minister of Bangladesh Sheikh Hasina was the Chief Guest.*

### Letter to Dr Subhadra Jalali

I had a great time in the department working with you. I got to learn retina evaluation and ROP screening, see a few cases that I had never seen before. I enjoyed working with Dr Padmaja Rani as well. It was an extremely useful experience. Had I not learnt it here, I would never have been able to do lasers in such tiny babies. I will try to use this experience and skill after my fellowship and implement it at my workplace. Thanks for being such a wonderful teacher. Working with you was fun.

Shilpa Sonarkhan, Ghaziabad  
14 October 2012



C L Gupta Eye Institute in Moradabad also inaugurated its second vision centre, the Mahant Nirmal Singh Memorial Vision Centre, on October 11, 2012. LVPEI and IAPB have provided grants-in-aid for the 2 vision centres. C L Gupta Eye Institute is headed by LVPEI alumni, Dr Pradeep Agarwal and Dr Ashi Khurana.

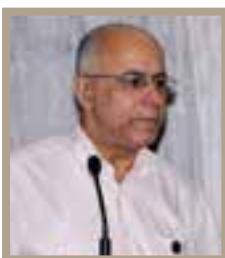


*Dr APJ Abdul Kalam visited C L Gupta Eye Institute at Moradabad on May 21, 2012. The institute is an LVPEI collaborating centre.*



*Vrund Eye Hospital at Vadodara inaugurated by alumnus Dr Bhavin S Shah on May 27, 2012.*

## Silver Jubilee Meet of LVP Alumni Association



*Mr Subroto Bagchi*

The Silver Jubilee LVPEI Alumni Meet on 31 May 2012 was attended by alumni from various parts of the world. On the occasion, the alumni pledged to raise ₹ 1 crore to set up a "Distinguished Alumni Chair." Dr Sunil Singh, senior alumnus, honoured Dr Rao on behalf of all the alumni. Other senior faculty honoured included G Chandra Sekhar, Prof D Balasubramanian, Dr Satish Gupta, Dr Aashish Bansal, Dr Taraprasad Das, Dr Anil K Mandal, Dr Savitri Sharma and anesthetists Dr Sitaram Prasad, Dr CVM Reddy and Dr P Sreeramulu. Dr Jayaprakash Narayan, Lok Satta Party President, and Member, Legislative Assembly, Andhra Pradesh, and Mr Subroto Bagchi, Managing Director of MindTree, were the invited speakers for the alumni meet.



*Dr Jayaprakash Narayan*



*Dr Savari Desai presents a memento to Dr G Chandra Sekhar*



*Dr Arundathi Borthakur honors Dr Sitaram Prasad, Dr CVM Reddy and Dr P Sriramulu*



*Mrs Vijaya Ramam catches up with Dr P Namperumalsamy*



*Dr Sunil Singh honors Dr Rao*

## Patient Care

**L**VPEI's explicit objective in patient care is "excellence with equity" as spelt out in the mission statement. The implicit core values to achieve this objective are honesty and primacy of patient welfare. This at a time when medicine is at risk of becoming commercial enables the institute to stand out as a beacon light. The best possible care is provided waiving off the charges in cases where the patient can ill-afford such treatment.

Starting with 3 examination rooms and two operating rooms in 1987, we have grown in 25 years, to be now present in more than 100 locations. These centres provide comprehensive eye care covering all specialties of ophthalmology and are equipped with state-of-the-art diagnostic and therapeutic facilities.

The Institution has completed 25 years of service spread across all levels of care in the LVPEI Eye Health Pyramid. During the Silver Jubilee year, we have reached out to more than 840,998 people and have provided surgical care to over 81,597 people.

In the year that has gone by, we have taken care of over 489,299 outpatients and provided surgical care to 65,845 patients in our tertiary and Centre of Excellence (CoE) facilities in the urban areas of Andhra Pradesh and Odisha. With the aim of reaching all those in need at their doorstep, the Village Vision Complex of LVPEI has reached out to 270,102 outpatients and provided surgical care to 15,752 patients.

In the last year we have seen 149,218 people at the vision centres and referred 36,924 for further care to secondary level eye care service within the LVPEI Eye Health Pyramid. True to our mission of equity, the care given was totally free of charge to 73.4% of outpatients, while 65.1% of the surgeries were performed entirely free of cost, regardless of complexity, in our rural catchment areas.

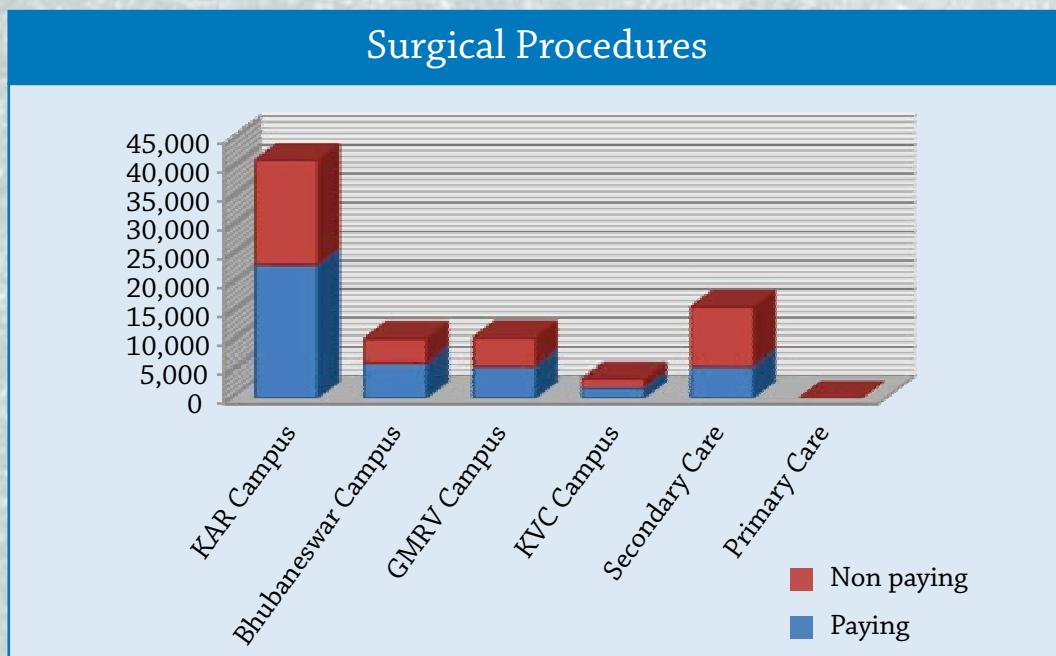
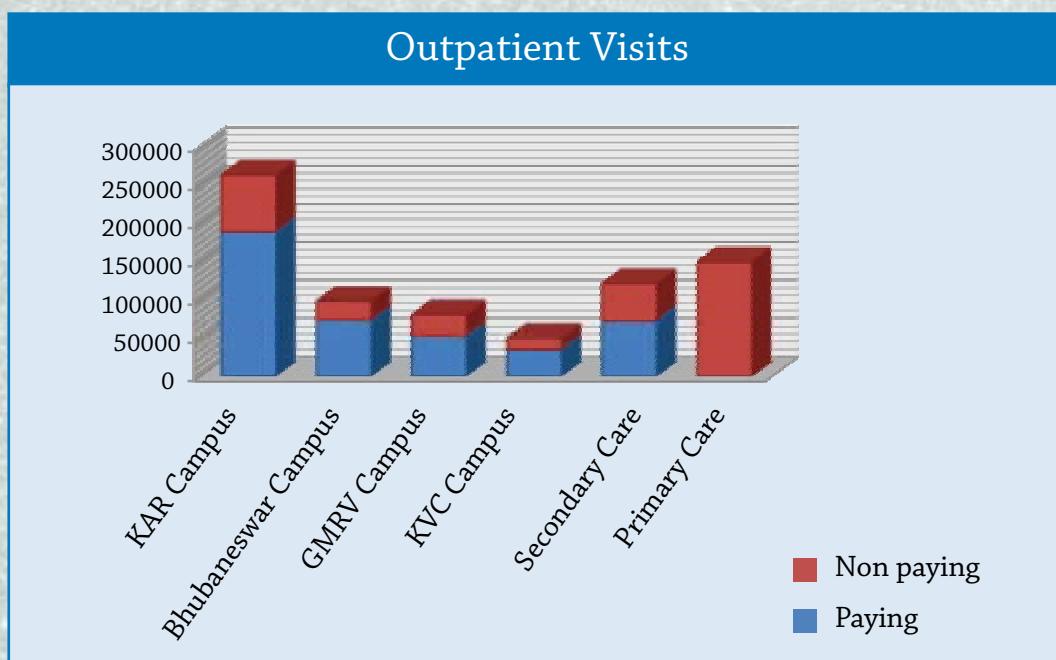
Similarly, the figures for urban care are 28.7% of outpatient visits and 44.5% of the surgeries, offered totally free. The level of subspecialty care provided at our CoE and tertiary centres is the other highlight of our patient care. Of the surgical care given to patients, cataract surgery was one-third. The experience and expertise of our team has ensured that we are a preferred destination for specialty services like pediatric glaucoma, complicated strabismus, oncology, retinopathy of prematurity (ROP), stem cell therapy for ocular surface diseases and disorders of the macula, to name a few.



## Patient care

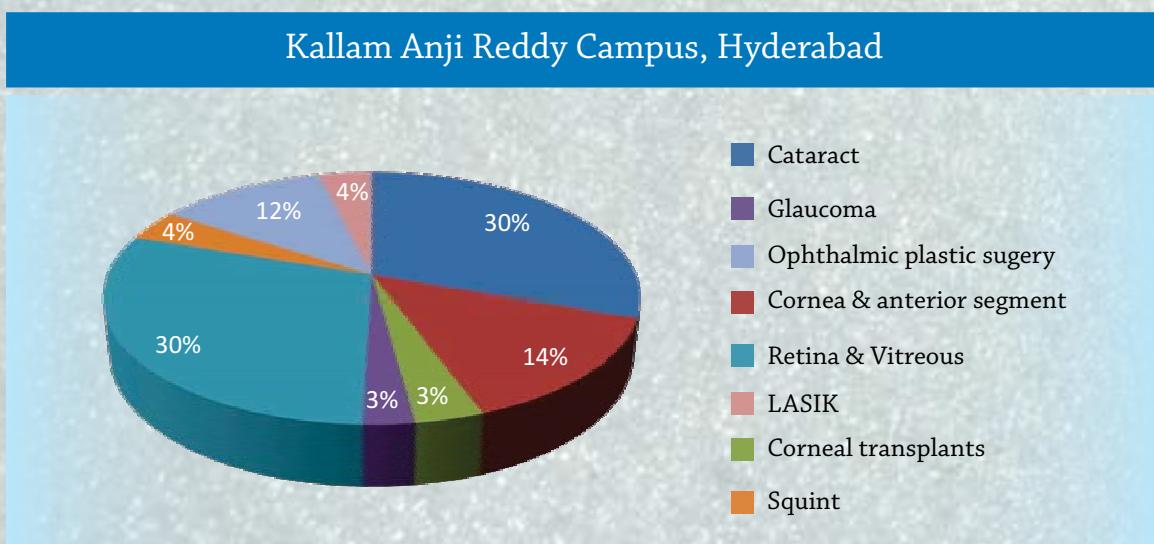
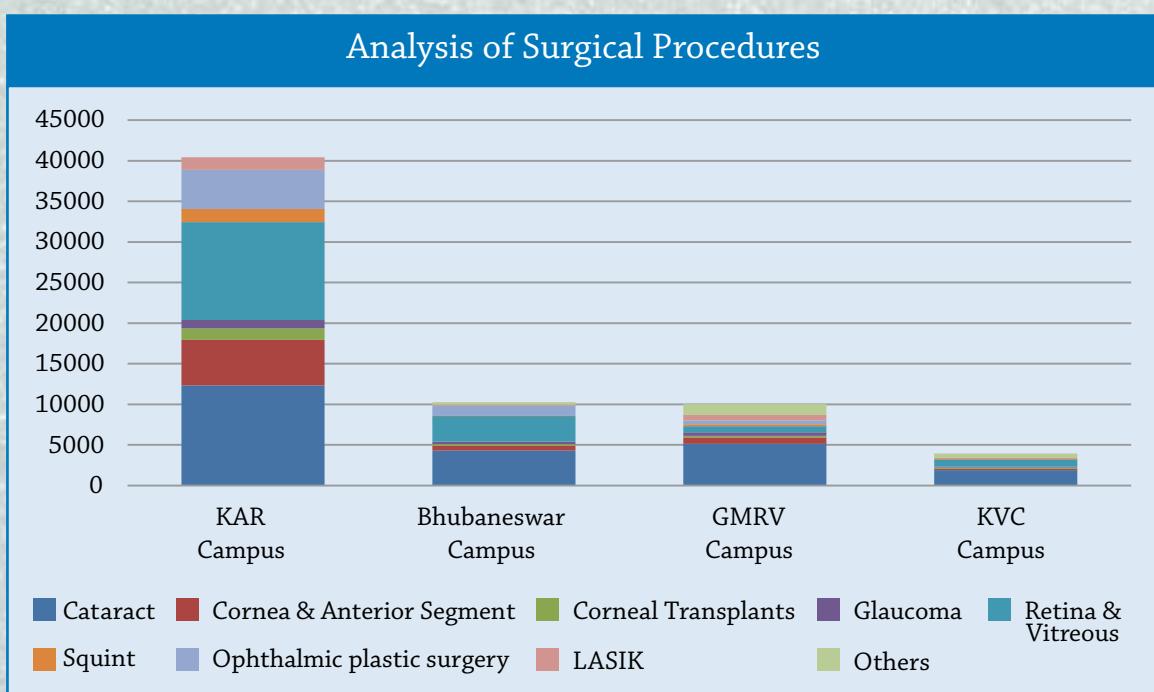
Campus	Outpatient visits			Surgical procedures		
	Paying	Non-paying	Total	Paying	Non-paying	Total
Kallam Anji Reddy Campus, Hyderabad	188,497	74,369	262,866	23,027	18,135	41,162
Bhubaneswar Campus, Bhubaneswar	73,015	24,403	97,418	6078	4203	10,281
GMR Varalakshmi Campus, Visakhapatnam	52,839	26,753	79,592	5517	4917	10,434
Kode Venkatadri Chowdary Campus, Vijayawada	34,752	14,671	49,423	1938	2030	3968
*Secondary care	71,875	49,009	120,884	5499	10,253	15,752
Primary care	-	149,218	149,218	-	-	-
Total	420,978	338,423	759,401	42,059	39,538	81,597

\*Figures do not include services rendered at our partner centres

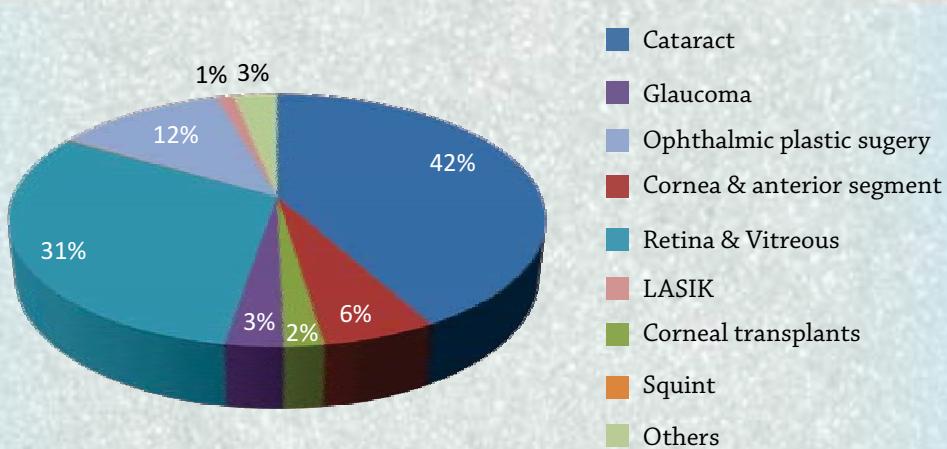


## Analysis of Surgical Procedures

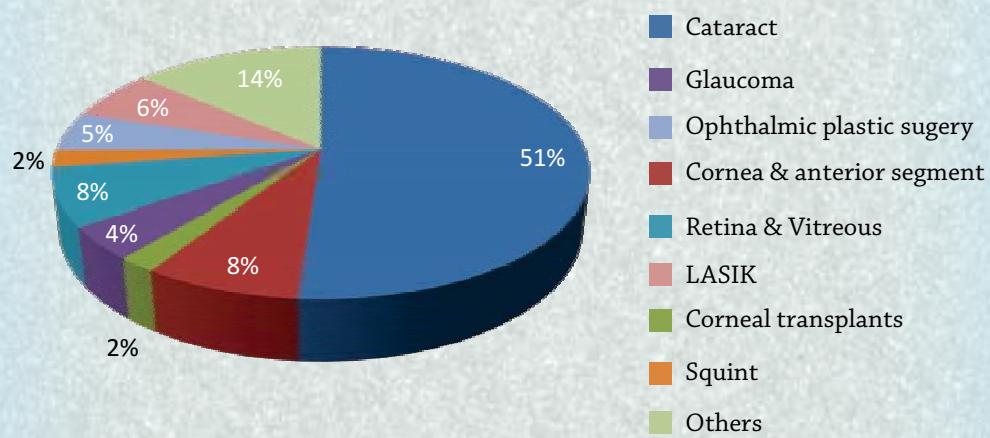
Campus/Speciality	Cataract	Cornea & Anterior Segment	Corneal Transplants	Glaucoma	Retina & Vitreous	Squint	Ophthalmic Plastic Surgery	LASIK	Others	Total
Kallam Anji Reddy Campus, Hyderabad	12,334	5605	1406	1056	12,042	1607	4843	1536	—	40,429
Bhubaneswar Campus, Bhubaneswar	4309	591	207	301	3167	13	1248	124	321	10,281
GMR Varalakshmi Campus, Visakhapatnam	5137	804	195	418	753	221	504	648	1369	10,049
Kode Venkatadri Chowdary Campus, Vijayawada	1912	162	155	110	829	122	117	6	555	3968
<b>Total</b>	<b>23,692</b>	<b>7162</b>	<b>1963</b>	<b>1885</b>	<b>16,791</b>	<b>1963</b>	<b>6712</b>	<b>2314</b>	<b>2245</b>	<b>64,727</b>



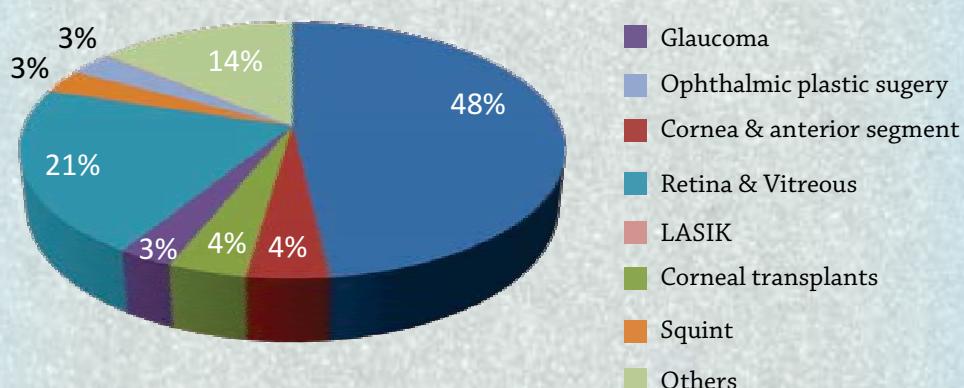
### Bhubaneswar Campus, Bhubaneswar



### GMR Varalakshmi Campus, Visakhapatnam

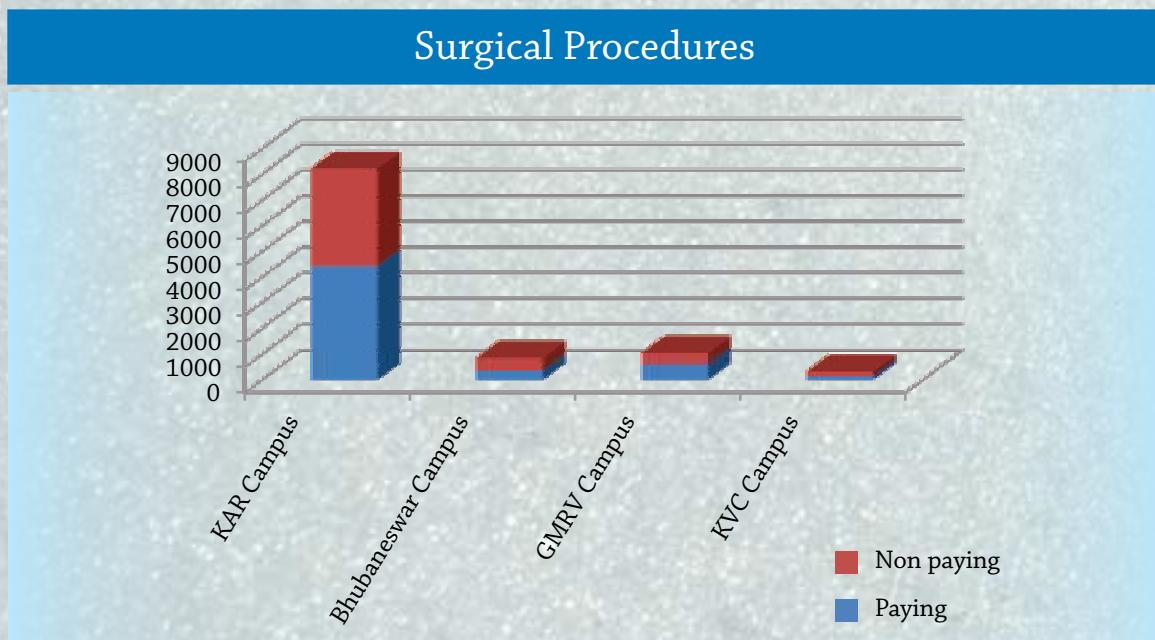
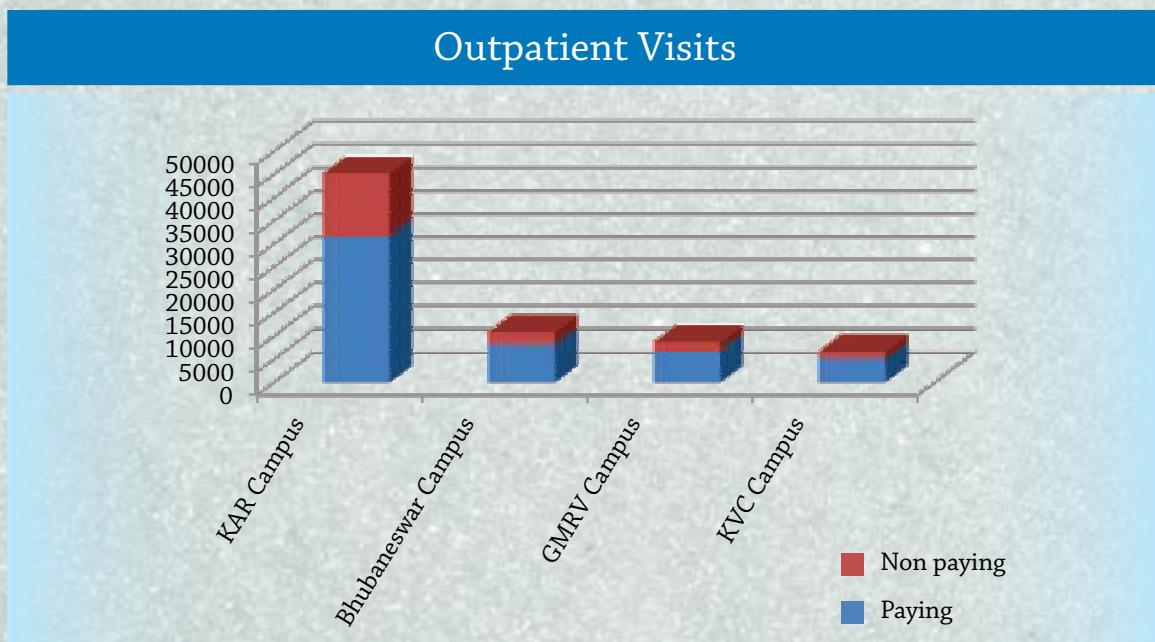


### Kode Venkatadri Chowdary Campus, Vijayawada



## Children's Eye Care

Campus	Outpatient visits			Surgical procedures		
	Paying	Non-paying	Total	Paying	Non-paying	Total
Kallam Anji Reddy Campus, Hyderabad	31,638	13,511	45,149	4428	3815	8243
Bhubaneswar Campus, Bhubaneswar	8170	2632	10802	390	478	868
GMR Varalakshmi Campus, Visakhapatnam	6803	1874	8677	630	436	1066
Kode Venkatadri Chowdary Campus, Vijayawada	5075	1652	6727	225	254	479
Total	51,686	19,669	71,355	5673	4983	10,656



## ROP-Retinopathy of Prematurity (ROP) program.

ROP Program	Hyderabad	Bhubaneswar	Visakhapatnam
Babies screened	1330	667	—
ROP Identified (Babies)	296	162	—
Laser sessions (Eyes)	153	104	—
Pediatric retina surgeries (<14 years)	597	248	30
ROP surgeries (IV Avastin Inj for ROP, Retinal surgery)	176	10	—

## International Patients at LVPEI



603 patients from 51 countries

## Visitors' Book

*No words, brilliant!*

Mehak

*This truly is a piece of heaven for healing.*

Uma and Partha Talukolon

*A very good eye institute where people can get their vision facilitated. All the staff are well trained, active and cooperative. Congratulations for your good service in society! Wish you the best of luck.*

Dinesh Sakaria, Valsad district, Gujarat

*A well-established hospital with combinations of brilliant doctors and best services. Impressive! Nothing can be better than LVPEI. Thank you.*

Vishal Rathi, Kolkata

*A great hospital. The best thing about it is that it provides a great facility and is a privilege for people below the poverty line. Well done! Satisfaction 100%. Thank you.*

Nandan Kumar Rathi, Kolkata

*Dear Team LVPEI,*

*I have decided to contribute in whatever small way I can, to say THANK YOU to LVPEI on behalf of so many who will benefit from LVPEI's work. I have consulted some wonderful doctors and wish to donate a small amount in their name. Dr Subhadra is such a wonderful person and I was moved by her helping nature.*

Manas Ranjan Nayak

3 November 2012

*Hello Sam,*

*Thank you so much for coordinating our visit to LVPEI once more. Both Kaveeta and I have discovered that our trust in your system, emanating out of our earlier visits, has not been unfounded at all. In fact, we are thankful that we took up the challenge to go for surgical correction, partly because of your counselling, and mainly because of our complete trust in the abilities of Dr Pravin V Krishna and his team. Once again the institution has continued to surpass our expectations. Be it in the patient's initial approach to the hospital or in going through the various tests and scans, everything is like clockwork. Please allow me to congratulate the institution on maintaining such stringent standards. Please send me the working model of LVPEI to circulate amongst my circle of friends.*

Navin J Kripalani, Pune

7 December 2012

## Patient Speak

*Thank you for the wonderful job your team did on 18-4-2012 for my OD cataract surgery. I was so tense, but the assurance given by Dr Somasheila Murthy helped me opt for local anesthesia, instead of general. The doctor not only saved the unnecessary expenditure of general anesthesia, but saved me and my wife from a lot of anxiety and tension.*

*Any institute or organization runs on the efforts of dedicated individuals. Dedicated doctors like Somasheila are a great asset to any institute.*

Pulizala Raghavender, Hyderabad  
21 April 2012

*PS: We have been involved in donating eyes since 1979. Recently, on April 17, we donated the eyes of my aunt Pulizala Shakuntala Bai to LVPEI. So far we have overseen donation of 17 persons' eyes, through our circle of friends and relatives.*

*I happened to visit your hospital at Banjara Hills, along with a relative. Your staffer Vanita Ganesh (Associate Administrator) is one of the best in terms of her behaviour and has a helpful nature. The way she interacts with patients and their attendants is highly appreciable. I congratulate you for having such good staff members.*

Rajkumar Khandelwal, Hyderabad  
23 May 2012

*Dr Subhadra, you and your team are doing a great service to mankind with your work in Retinopathy of Prematurity (ROP). Being the father of a child with ROP, me and my wife have first-hand experience of your genius and selfless dedication, which is rarely seen these days. Kudos... and keep up the excellent work!*

Tarun Gupta, Hyderabad  
5 December 2012

*Sub: Thanksgiving to Dr G Chandra Sekhar*

*I was on a visit to Hyderabad in January this year and was very fortunate that I had the privilege of being examined by Dr Chandra Sekhar who gave a lot of time and attention to me, despite his heavy schedule. It was a very satisfying experience. As I am a resident of Delhi I requested for the medical reports, which were sent to me very promptly. The reports were seen by my Delhi specialist who put me on treatment, as advised by Dr Chandra Sekhar. I was very impressed with the functioning of this great eye Institute, headed by such a reputed doctor like Dr Chandra Sekhar. My sincere thanks and best regards to him.*

Jagdish Chandra Dureja, Delhi  
6 March 2012

*I am honoured to meet the people of LVPEI, dedicated to the service of mankind, and the underprivileged people of our great country, India. My promise to the team of LVPEI, Hyd, is that I will be talking about you as a role model all over the world in my workshops aimed at developing leaders.*

Deepak Sukh, Hyderabad  
28 September 2012

(Seen by Mr Uday K Addepalli)

*Thank you very much for the successful surgery and valuable medication for my baby Nusaiba Fatima. We are grateful to you and your team. Yesterday, after 22 days in India, I took my baby to Dr Tariq Reza at Islamia Eye Hospital, Dhaka, for an eye check-up, as per your suggestion. Apart from the medications and eye drops, we are trying out light therapy, as per the advice of the rehab centre, and making her use glasses. Again, thank you for a fantastic job.*

Krishibid Md Nurul Huda Almamun  
Scientific Officer, Soil Resource Development  
Institute, Regional Laboratory, Chandra, Jamalpur  
19 October 2012

*“When he said that he could help my daughter see again, there were tears in my eyes, tears of joy.”*

Fatima, just 2 years old, was peering into a bowl of vegetables, while her mother Matluba was cooking. As

Matluba poured some vinegar into the dish, it suddenly splattered and damaged both the eyes of little Fatima.

A despairing Gholam, Fatima's father, a Russian fruit wholesaler based in Tashkent, Uzbekistan, took her to several doctors, but to no avail. Dr Akshay Khera, an Indian ophthalmologist settled in Tashkent, suggested LVPEI in India and the family arrived in Hyderabad in June 2012. Gholam recalls, “After I met Dr Virender Sangwan and he said that he could help my daughter see again, there were tears in my eyes, tears of joy.” Fatima was operated upon and a Boston Keratoprosthesis lens was implanted in her left eye. The response was good. Back home in Tashkent, Dr Khera provided Fatima post-operative care.

Gholam and the family returned in January 2013 for a similar procedure to Fatima's right eye. As she returned home with her parents, she waved cheerfully. And Gholam, who speaks very little English, managed to say, “I say a BIG thank you to all doctors in LVPEI.”

*“I was blind, but now I can see. I can even drive a motorcycle now.”*

Regaining sight after living in a world of darkness for decades seems nothing short of a miracle. But for the doctors at LVPEI, it is part of another day at work.

Rajiv Thareja was a victim of congenital glaucoma. An early operation at 11 days of age restored 10 to 15% of his sight. When older, he also underwent corneal transplants at AIMS and at another private hospital in New Delhi. But each time, the corneal transplant was rejected by his body.

However, in February 2011, Rajiv underwent a corneal transplant at LVPEI, Hyderabad. He also had a complex combination surgery of cataract and glaucoma to control his intraocular pressure. Since then, he has enjoyed reasonably good vision. On a recent follow-up visit, he said, “I was blind, but now I can see. I can even drive a motorcycle now. Dr Muralidhar and Dr Anil Mandal have given me the vision that no other doctor could succeed in doing.”

Rajiv says he will continue to spread the message of eye donation, which has enabled him to see again.



## *She now persuades families with blind children to seek treatment.*

Mrs. Veeramma from Tempalli village, near Gannavaram, visited the Kode Venkatadri Chowdary campus in Vijayawada on July 12, 2012, with her two children who were blind since birth. Someone had told her that the institute provided certificates to blind children to help them avail Government facilities.

An examination revealed that her 6 year old daughter Roja had total cataract in both eyes, which could be treated with a simple surgery, performed free of cost for those who could not afford it. But to the exasperation of the staff, Veeramma refused the treatment citing a prior experience involving her elder son who had been operated upon in the right eye for the same problem, but to no avail. Additionally, he had developed constant pain and watering from the operated eye.

Veeramma finally consented for Roja to be operated upon by Dr Niranjan Pehere in both the eyes. Now after surgery, Roja wears glasses. She plays around and goes to school. Though her vision is not as good as the other children, whatever new vision she now has, has changed her life significantly.

As for Veeramma, during the Support Group meeting for parents with children suffering from childhood cataract, she could not hold back her tears of gratitude. She is so enthused with her experience that she uses it to persuade families with blind children to seek treatment at LVPEI.



## *“She is the anchor to our lives; she is our eyes.”*

Bonny Gideon and his wife Nagamani suffer from irreversible vision related problems; Bonny has cataract and several other vision related problems, and Nagamani suffers from night blindness. They hail from Pangidigudem village in Jangareddy mandal of West Godavari district where Bonny works as an assistant for an NGO. They have been regular clients at the Centre for Sight Enhancement at LVPEI's GMR Varalakshmi campus.

Three years ago, they became proud parents of a baby daughter who they named Smiley. But their joy turned to despair when they learned that the child had cataract; they feared that she would suffer the same fate as theirs. They brought the four month-old Smiley to LVPEI.



Dr Avinash Pathengay saw the couple at the OPD and enquired about their wellbeing. When he heard about Smiley, he reassured them about her vision. Sure enough, after her two surgeries in early 2013, Smiley now uses vision correcting glasses and goes to school. “She helps her mother around our home, reads the names of places and the numbers on the bus for us when we go out, talks incessantly about the posters on the walls, and tells us about whatever is happening around us all along our way. She is the anchor to our lives; she is our eyes,” says the happy father.



## Vision Rehabilitation

The loss of vision has a number of adverse implications on a person's quality of life. The affected person has to overcome physical (reduced perception), functional (self care, mobility, and limitations in daily activities), social (interpersonal relationships), and psychological (emotional well-being and happiness) challenges as a consequence.

The aim of the Vision Rehabilitation Centres is to empower people with incurable vision loss so as to enhance their quality of life and enable them to live as independent a life as possible, through comprehensive low vision rehabilitation intervention. Since the inception of the Dr PRK Prasad Centre for Rehabilitation of the Blind and Visually Impaired on 4 June, 1992 and of the Meera and L B Deshpande Centre for Sight Enhancement on 18 February, 1997, the centres have helped change the lifestyle of numerous visually challenged persons, from all age groups and across all segments of the population.

The key components of intervention include psychological support, low vision care – assessment, training and prescription of devices, special skills training such as independent living skills and mobility, assistive software training for using computers, early intervention for children below 5 years of age with developmental problems, guidance and placement services for economic independence, self-help group meetings and peer support programs, advocacy and support services.



## Unique I-Day Program by Rehabilitation Clients



The 66<sup>th</sup> Independence Day celebrations at LVPEI on 14 August 2012, saw a unique event, organized by families and children with visual impairment and multiple disabilities, facilitated by the rehab team.

The program was inaugurated by Ms Padmini, rehab client, who impressed the audience with her rendition of "Vande Mataram". Master Raju and Ms Gayathri, both visually challenged since birth, recaptured the history of India's independence struggle in their talks. Master Saikiran, blind since birth, spoke on the significance of the Indian tricolor flag. A skit by rehab clients and nursing students portrayed the nation's freedom struggle, subsequent achievements and India's progress, and the continuing responsibility of every citizen to raise India's pride. The most moving part of the program was a fancy dress parade by multiple handicapped children, dressed up to reflect our history and patriotism, such as Netaji Subhash Chandra Bose, Pandit Jawaharlal Nehru, and the national flag. The young children received resounding applause from the gathering, and gifts from the Vision Rehabilitation Centres, LVPEI.



## Mobility and Sensory Stimulation Park

VPEI's Rehabilitation Centres set up a 'Mobility and Sensory Stimulation Park' model at the Microsoft Corporate Office in Hyderabad from 10-12 October 2012, as part of Microsoft's "Giving Campaign". The objective was to build awareness among visitors by giving them a sense of visual impairment.

## "Knowhow Practicum" on Assistive Technology

55 participants took part in the program on 9 June 2012 to explore various assistive devices. The objective was to create awareness among visually impaired persons on available technologies.

## Fun Camp

The 15<sup>th</sup> Integrated Fun Camp for children with visual impairment organized by the Dr PRK Prasad Centre for Rehabilitation of the Blind and Visually Impaired on 1 December 2012 had 325 participants including visually challenged clients, their siblings and other family members. There were games, prizes and lots of fun, the entire experience helping the visually impaired children to be more confident and independent, while also creating a support group for the parents.



## Workshops for Parents

Three workshops for parents were conducted on the upbringing of children with visual impairment and developmental delays. A total of 32 parents attended each workshop. Ms. Premalatha and Ms. Richa, special educator, were the resource faculty for the program. The workshops were conducted on 30 June (Daily Calendar), 11 July (Early Intervention Program) and on 21 July (Adaptive Devices).

## Workshop for Rehab staff

A workshop was conducted for the rehabilitation staff on "Early intervention program for the visually impaired and multiple disabled children" from 11-13 July 2012 at the Patodia Auditorium. Ms. Sheela Sinha, from Voice and Vision, Mumbai, was the invited resource faculty for the program. Fifteen rehabilitation professionals from various campuses of LVPEI attended the program.

## Team from Rehab visits BVRIT

Ms Beula, Ms Hemalatha and Mr Sai Sudha Sathu Desowja of our centre visited the assistive technology laboratory set up for people who are differently-abled at Padma Sri Dr B V Raju Institute of Technology (BVRIT) at Narsapur, Medak District on 12<sup>th</sup> July, 2012 and guided the students on their project work on assistive devices. Later the prototypes developed by these students were displayed in an exhibition organized by the Indian School of Business (ISB).

## Digital Daisy Book Making

A workshop on "Digital daisy book making for the visually impaired" was conducted for the rehabilitation staff from 31 July – 4 August 2012. Mr. Prashant, Saksham Trust, New Delhi, was the invited resource faculty for the program. This training helped the team learn skills on producing digital books for the visually impaired in Daisy Form.

## Experiences

*The LVPEI Rehab has been very useful to me. The IT sessions over the past 3 months have been informative. Earlier I could use only 'MS Word' but now I can use e-mail too. Both the instructors helped us to understand easily and enabled us to learn new technologies. The English classes improved our communication skills. These sessions also gave me new friends. Thank you!*

Molugu Pavitra  
9 July 2012



*My son, Master Sudheendra Rajan, did the basic computer program and also received mobility training from your esteemed organization. Since he is visually challenged, I was very worried about my son's job prospects, though he is a first class master's degree holder in MHRM. Because of the care and interest shown by you, my son is now working on the computer very efficiently. I am grateful for your dedicated and sincere efforts for the betterment of needy and challenged persons like my son. "Service to humanity is service to God" and your organization is following this in letter and spirit.*

P Sankara Rao, Visakhapatnam  
13 August 2012

*I have completed my basic course in computer training at LVP rehab centre. The centre occupies a special place in my life. The IT services are a boon to visually challenged students. The faculty at the centre work incessantly to help the students. Sai sir and Siva sir are remarkable. They assess the competency of the student and teach accordingly.*

*The English classes were of great help in improving my grammar and communication skills. People come from different parts of India to do this course, but we gelled together as one unit. Sai sir always kept the competitive spirit up between us. I made many new friends and had a memorable time. With the support of the LVPEI rehab centre, we can not only face up to the competition in the present world but can also succeed in any chosen field.*

Padmini Palaparthys  
3 July 2012



## Rehabilitation Faculty Participate in SERP

Mahalakshmi Mojada, participated as a resource faculty for an orientation program conducted for Community Resource Persons of various districts of Andhra Pradesh by Society for Elimination of Rural Poverty (SERP) on 7 August 2012. The objective of the program was to train the participants on screening children with visual impairment and other additional disabilities as early as possible in their respective community. Overall, 25 members participated in the program.

## Annual Meet of Volunteers

The annual meet of Rehabilitation Volunteers was held at Patodia Auditorium on 12 September 2012 and 9 volunteers took part in the event. The get together followed Braille Watch distribution to 30 visually impaired clients and a showcasing of the talent of four early intervention clients through a dance program. The Braille watches were procured with the benevolent support of a volunteer Ms. Kinnera Murthy.

## Rehabilitation of the Blind & Visually Impaired (April 2012 - March 2013)

Rehabilitation Services	Hyderabad	Bhubaneswar	Visakhapatnam	Vijayawada	Total
New Client Visits	2957	881	1104	622	5564
Follow-up clients	8559	464	1042	1158	11,223
<b>Service Delivery</b>					
Special Skills Training	14,902	778	1214	771	17,665
Instruction in use of-Assistive devices (computers)-Low vision devices	5112	138 (computer) & 297 (low vision devices)	647	271	6465
Environmental modification	1940	823	636	482	3881
Educational guidance	1002	216	177	166	1561
Vocational guidance	583	160	131	47	921
Supportive guidance	2475	200	216	116	3007
Referral to other services	243	54	81	35	413
Audio Books & Large Print	2021	-	-	-	
Audio Pages & Large Print Pages	34, 376 (pages)	-	-	-	

## Centres for Sight Enhancement (April 2012 - March 2013)

Campus/ Sight Enhancement	New client visits	Follow-up clients	Total	Low vision devices prescribed
Meera & L B Deshpande Centre, Hyderabad	2708	2083	4791	1236
NTPC Centre, Bhubaneswar	822	179	1001	296
Bob Ohlson Centre, Visakhapatnam	688	364	1052	650
Centre for Sight Enhancement and Visual Rehabilitation, Vijayawada	451	154	605	327
<b>Total</b>	<b>4669</b>	<b>2780</b>	<b>7449</b>	<b>2509</b>

## The Ramayamma International Eye Bank

The Ramayamma International Eye Bank (RIEB) of L V Prasad Eye Institute, Hyderabad, offers hope to many people across all sections of the community through its services – providing high quality donor corneas, leading to a useful visual outcome. This year is particularly special for RIEB as it has achieved the following unique distinctions:

- RIEB becomes the First Eye Bank in the country to supply 2232 corneas in a single year
- It is the First Eye Bank in the Asia-Pacific region to process and supply pre-cut donor corneas to surgeons, enabling them to perform DSEKs

### Highlights

- Initiated Hospital Cornea Retrieval Program (HCRP) at KIMS Hospital from Jan 2013 with the posting of a Counselor
- More than 50 awareness programmes conducted this year involving corporates, voluntary organizations, religious groups, educational institutions and hospitals.
- Started to process and supply pre-cut donor corneas to surgeons for performing DSEKs
- Bharat Heavy Electricals (BHEL) in collaboration with RIEB launched an initiative called “Vision to All – BHEL’s Call” aimed at creating greater awareness and propagating the message of “Gift of Sight”.



## SightLife facilitates Corneal Transplant Centre

The SightLife Advanced Tissue Preparation Centre was inaugurated at LVPEI's Ramayamma International Eye Bank (RIEB) by Washington State Governor Ms Christine Gregoire on October 3, 2012. (*More details on page 13*)

### First to supply pre-cut tissue

The RIEB is the first centre in the Asia Pacific region to make the pre-cut donor corneas available to corneal surgeons, enabling thousands of corneally blind patients in India to undergo Descemet's Stripping Endothelial Keratoplasty (DSEK), increasingly the standard treatment for corneal edema, offering better results, reduced risk of rejection and faster healing. This not only reduces the overall cost of the surgery for the patients, but also standardizes the procedure. Thus far, the Eye Bank has supplied more than 100 precut tissues to surgeons at LVPEI and will soon supply them to surgeons outside LVPEI too.

### 27<sup>th</sup> National Eye Donation Fortnight

A simple generous act of eye donation can transform a life and help a blind person see. Keeping in line with this spirit, The Ramayamma International Eye Bank at LVPEI commemorated the 27<sup>th</sup> National Eye Donation Fortnight from 25 August to 8 September 2012.

In this context, The Ramayamma International Eye Bank (RIEB) organized eye donation awareness programs for educating various groups of people comprising students of the Nursing College of NIMS, associates of salesforce, nurses and nursing students of Mahavir and Gandhi Hospitals, teachers of Sacred Heart School, and residents of Rasoolpura and the Operation Eyesight Universal project in Fatehnagar. Live phone-in TV programs were anchored by Mr Kishan Reddy and Ms Brinda Ramachandran on DD Sapthagiri and Bol Radio, University of Hyderabad.

The Bharat Heavy Electricals (BHEL) in collaboration with RIEB launched an initiative called "Vision to All – BHEL's Call." The state-wide initiative aimed at creating more awareness and sensitizing the public on eye donation. The program also aimed at dispelling myths about eye donation, and propagating the message of the "Gift of Sight".



*Health workers and hospital staff in Fatehnagar area listen to a talk on eye donation*

## Refresher Training

RIEB organized its 2<sup>nd</sup> Refresher Training program for Technicians of Eye Banks/ Eye donation centers in Andhra Pradesh on 25 August 2012 aimed at training technicians for better utilization of procured donor corneas. A total of 25 members participated from across 19 eye donation centers.



*2<sup>nd</sup> Refresher Training for Technicians of Eye Banks / Eye donation Centers in Andhra Pradesh held on 25<sup>th</sup> August, 2012*

## Training Program for Community Health Workers

A one-day training programme was organized by the RIEB for the Community Health Workers of Operations Eyesight Universal & Vision Health Guardians of LVPEI City Centre to orient them to the facts of eye donation. Thirty three community health workers and the Project In-charge of OEU community projects attended the training programme.



*Participants at the RIEB training program*

## Mohsin Eye Bank

**M**ohsin Eye Bank, a community eye bank located at LVPEI, Visakhapatnam, has maintained its growth in terms of the number of tissues harvested and transplanted. Having started as a small eye bank in 2001, Mohsin Eye Bank has now emerged as one of the leading Eye Banks in India. Apart from supplying quality tissues to GMRV and Vijayawada campuses, and local surgeons in Visakhapatnam, it is also meeting the demand of supplying tissues to about 25 eye hospitals in various parts of India.

During the year 2012 the following activities were taken up by Mohsin Eye Bank:

- 11<sup>th</sup> Eye Donation Fortnight was observed from 25 August - 8 September 2012.
- Eye Donation Awareness Walk was conducted on the Beach Road on 25 August 2012.
- 11<sup>th</sup> Anniversary of Mohsin Eye Bank was celebrated on 28 October 2012.
- Mohsin Eye Bank Information Centre inaugurated at CARE Hospitals on 8 November 2012.
- Received a Certificate of Appreciation from the Director of Public Health & Family Welfare, Government of Andhra Pradesh for strengthening the eye donation movement in Andhra Pradesh for the year 2011.
- Received Best Achievement Award for 2012 at the annual meeting of SightLife International in New Delhi on 2 March 2013.
- Memorandum of Understanding (MoU) with KGH, CARE Hospitals, Apollo Hospitals, Sevenhills, Indus, Queens NRI and Apoorva Hospitals in Visakhapatnam, and conducted Hospital Cornea Retrieval Programme (HCRP) in all these hospitals. According to available statistics, Mohsin Eye Bank is contributing its services in helping three corneally blind people, every two days, to see this beautiful world.

## Drushti daan Eye Bank

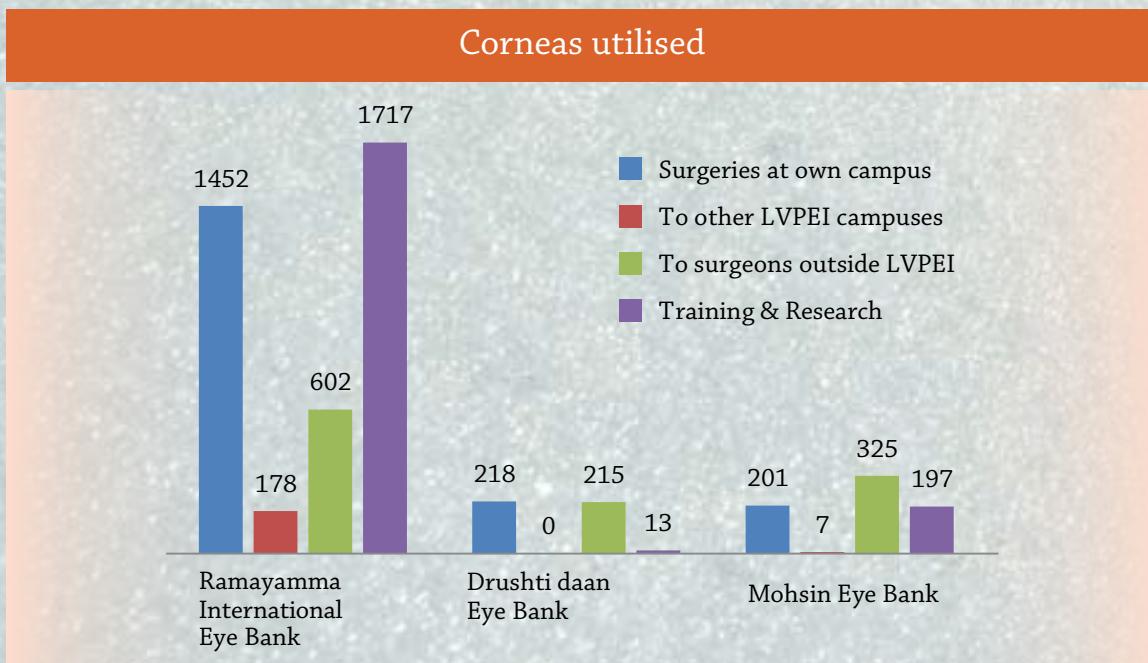
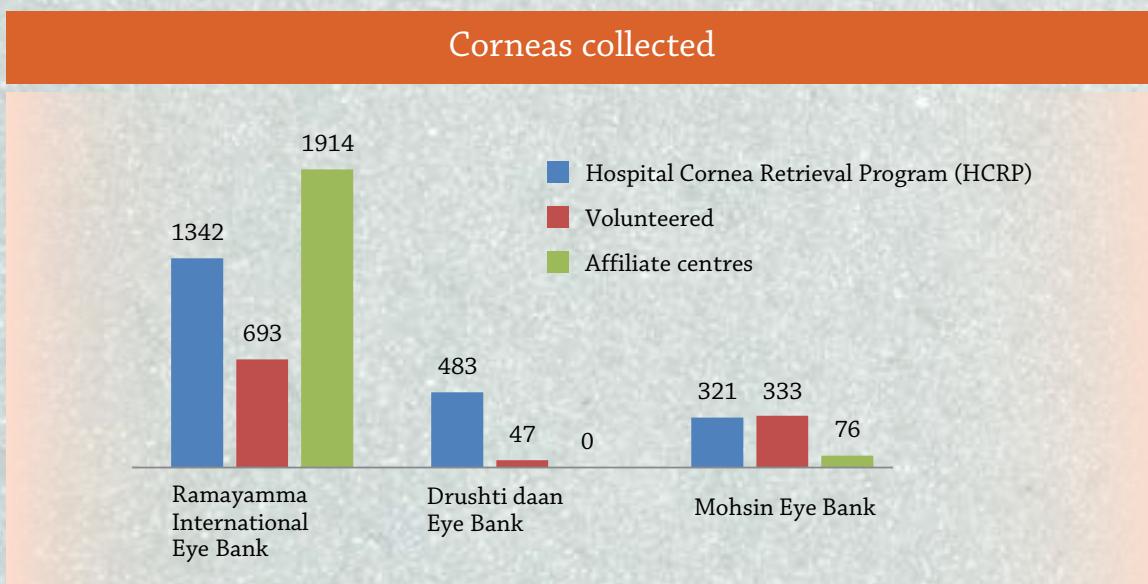
**L**VPEI Bhubaneswar's Drushti daan Eye Bank, the first community eye bank in Odisha, has shown remarkable growth over the last few years. It aims to function as a nodal eye bank in Odisha with eye collection centers all over the state.

Drushti daan eye bank has initiated Hospital Cornea Retrieval Program (HCRP) in major hospitals of the twin cities of Bhubaneswar - Cuttack in order to increase the volume of donor cornea collection. From a modest beginning, the recovery of donor corneas has gradually increased and at present, 50–60 corneas are being collected every month. The total number of corneas collected this year (2012 – 13) was 530 corneas out of which 433 corneas were utilized (a utilization rate of 82%). Drushti daan Eye Bank has now started supplying corneas beyond LVPEI Bhubaneswar - to surgeons located within and outside Odisha.

## Eye Bank Statistics

Corneas collected	Ramayamma International Eye Bank, Hyderabad	*Drushti daan Eye Bank, Bhubaneswar	*Mohsin Eye Bank, Visakhapatnam	Total
Hospital Cornea Retrieval Program (HCRP)	1342	483	321	2146
Volunteered	693	47	333	1073
Affiliate Centers**	1914	0	76	1990
Total	3949	530	730	5209
Corneas Utilised				
Surgeries at own campus	1452	218	201	1871
To other LVPEI campuses	178	0	7	185
To surgeons outside LVPEI	602	215	325	1142
Training & Research	1717	13	197	1927

\* Community eye banks on our campus, \*\*RIEB affiliate centres at Nidadavolu, Tanuku, Suryapet & Madanapalle and other eye collection centres



## McCarey Kaufman Medium for Corneal Preservation

The RIEB produced 28,440 vials of the McCarey Kaufman (MK) Medium during the year. 27,878 vials of the MK Medium were supplied to 226 national eye banks and 3 international eye banks.

### National

Ahmedabad, Ahmednagar, Aizawl, Aligarh, Alipurdur, Aluva, Ambajipet, Ambala, Anand, Angamaly, Asansol, Aurangabad, Bagalkot, Bangalore, Bareilly, Bellary, Bhavnagar, Bhimavaram, Bhopal, Bhubaneswar, Bijapur, Borivali, Burdwan, Calicut, Chandigarh, Chennai, Chitrakoot, Chitoor, Coimbatore, Cuttack, Dahod, Davanagere, Dehradun, Dibrugarh, Dinazpur, Dombivli, Dondaicha, Durgapur, Eluru, Erode, Ghaziabad, Goa, Gondia, Gorakhpur, Gulbarga, Guntakal, Guntur, Gurgaon, Guwahati, Gwalior, Haldia, Hoshiarpur, Hubli, Hyderabad, Indore, Jabalpur, Jaipur, Jalandhar, Jalgaon, Jalna, Jamshedpur, Jodhpur, Jorhat, Kakinada, Kalyan, Kanpur, Karimnagar, Karnal, Katwa, Khammam, Kochi, Kolhapur, Kolkata, Kurnool, Latur, Lucknow, Ludhiana, Madanapalle, Manipal, Meerut, Miraj, Moradabad, Mumbai, Mysore, Nagercoil, Nagpur, Nalgonda, Nandyal, Narkatpally, Nashik, Navasari, Neemuch, Nellore, New Delhi, Nidadavole, Noida, Ongole, Palakkad, Palakol, Panvel, Perintalmanna, Pondicherry, Porur, Proddutur, Pune, Raichur, Raipur, Rajkot, Rampur, Ranchi, Rishikesh, Sangli, Secunderabad, Shantivan, Shimla, Siliguri, Shimoga, Sirsa, Sitapur, Sohana, Solapur, Sri Ganganagar, Surat, Suryapet, Tanuku, Thane, Thiruvananthapuram, Tirunelveli, Tirupati, Trichy, Udaipur, Udupi, Ujjain, Vadodara, Varanasi, Vellore, Veraval, Vijayawada, Visakhapatnam, Visnagar, Vizianagaram, Vuyyur, Warangal, Yamuna Nagar, Yanam.

### International

Dhaka, Bangladesh; Kathmandu, Nepal; Yangon, Myanmar.

## Amniotic Membrane for Ocular Surface Reconstructive Surgeries

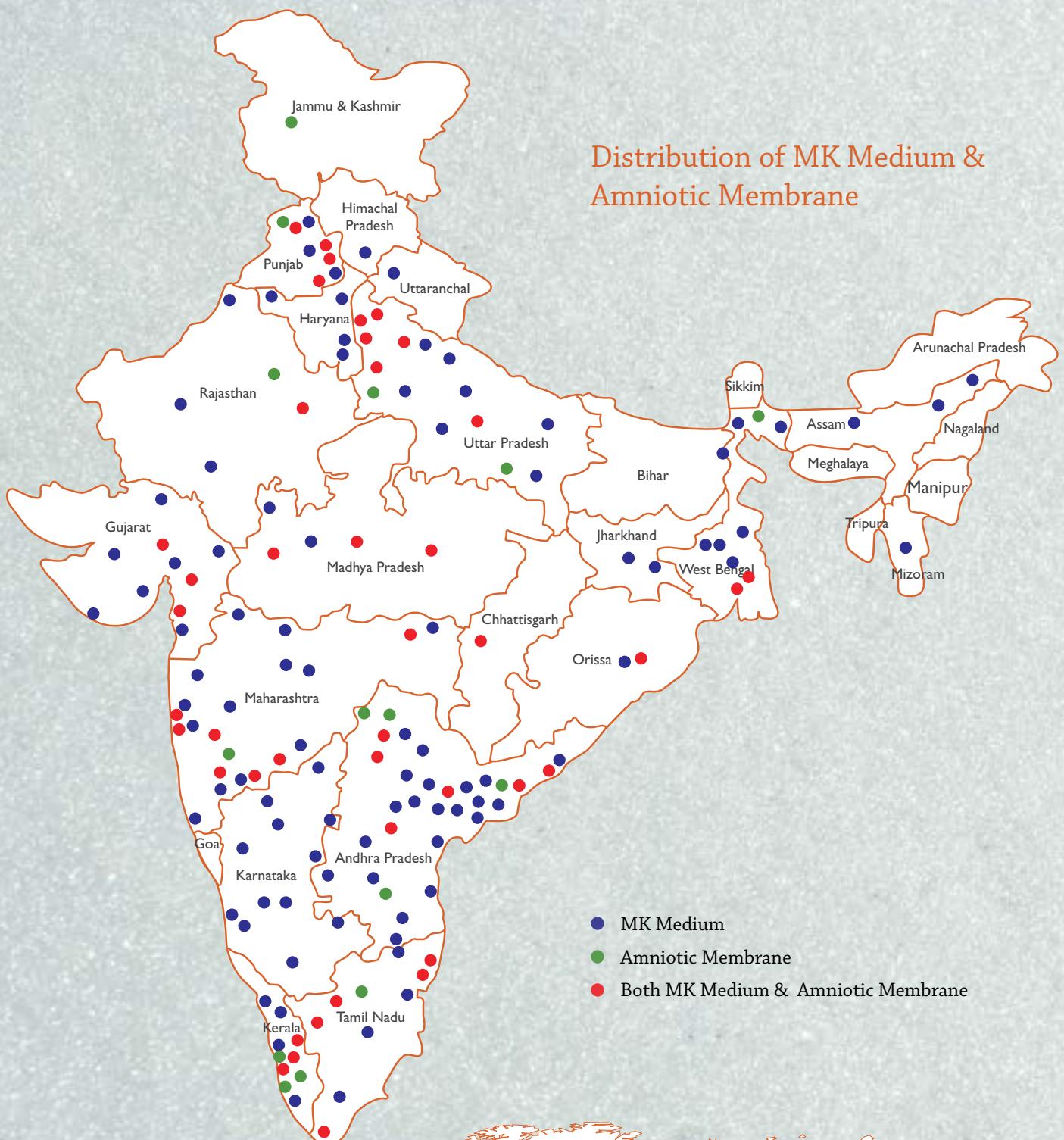
RIEB produced 1774 pieces of amniotic membranes this year. In addition to providing 940 amniotic membranes to all the LVPEI tertiary campuses and three secondary eye care centres, 637 surgeons outside LVPEI were also provided the AMG. A total of 99 membranes were provided for in-house research and training purposes.

### National

Adilabad, Agra, Ahmedabad, Aligarh, Allahabad, Ambala, Amritsar, Angamaly, Bhopal, Bhubaneswar, Chandigarh, Chennai, Cochin, Coimbatore, Darjeeling, Delhi, Erode, Ghaziabad, Gwalior, Hyderabad, Indore, Jabalpur, Jaipur, Jalandhar, Kadapa, Kakinada, Karad, Kochi, Kolkata, Kollam, Kottayam, Lucknow, Meerut, Miraj, Moradabad, Mudhole, Mumbai, Nagercoil, Nagpur, Nandyal, Noida, Palakkad, Panvel, Porur, Pune, Raipur, Rajahmundry, Salem, Sangli, Secunderabad, Sikar, Sohana, Solapur, Srinagar, Surat, Vadodara, Vijayawada, Visakhapatnam.



## Distribution of MK Medium & Amniotic Membrane



## Community Outreach

### International Centre for Advancement of Rural Eye care (ICARE)

The International Centre for Advancement of Rural Eye Care (ICARE), the public health component of LVPEI, aims to reach out to the communities to deliver affordable and qualitative eye health care services, and conduct systematic research for the improvement and advancement of eye health care services. It bridges the community and eye health care delivery system thus comprising an indispensable link and an intersection between communities and ophthalmic professionals.

In the fourteen years since its inception, ICARE has gained immense experience in community service delivery by the means of its capable staff who are trained to patiently listen to the community eye health needs before they work to restore sight for many. To serve the under privileged communities and reach the unreached segment in the eye health value chain, ICARE has established eleven secondary centres and 93 Vision Centres.

A major milestone in our growth story was achieved this year in extending our VVC network to yet another state in India - Karnataka, thus establishing our eleventh secondary centre, the Y Mahabaleswarappa Memorial Eye Centre. This has been facilitated by the complete financial support received from Mr Y Satish and his brothers - grandsons of Sri Y Mahabaleswarappa. We continue to extend our footprint with the groundbreaking ceremony of our twelfth secondary centre at Sattenapalli, Guntur district - the Edward and Soona Brown Eye Centre - with the support of Mrs Soona and Mr Edward Brown of France. Five primary care vision centres were established, supported by the Latter-day Saint Charities, USA, and the Lavelle Fund for the Blind Inc., as also some major support from the local communities. ICARE along with its partners, provided comprehensive eye health examination services to about 285,000 people and performed about 41,000 surgeries. Our vision centres screened close to 150,000 people with about 60,000 school children screened this year.

Extending the Electronic Medical Records System to two of our secondary centres - Kuchukulla Ramachandra Reddy Eye Centre and Y Mahabaleswarappa Memorial Eye Centre - is good value addition by our technology experts. This will be extended to few more centres this year.

Our rehabilitation services continue to integrate with our community eye care services to help us serve the needy more comprehensively. The Ramachandra Pararajasegaram Community Eye Health Education Centre innovates new programs in education and training to build competent teams that play a crucial role in delivering the best. Customized and flexible curriculum are designed to enable us to produce the most versatile and talented outgoing students since the past few years. The first web based course on eye care management as a part of Masters in Community Eye Health was completed this year thus establishing another milestone in eye health education.



The Allen Foster Community Eye Health Research Centre witnessed the outcomes of the Andhra Pradesh Eye Disease Study dated thirteen years ago in the form of a follow up study initiated last year, which is ongoing. Aimed at preventing avoidable blindness caused by Diabetic Retinopathy, research projects aimed at screening and education of diabetics was initiated in Prakasam district of Andhra Pradesh. Mobile refraction Unit supported by Essilor was launched this year to complement these projects.

With eleven publications in national and international peer reviewed journals, nineteen papers and three poster presentations during various workshops and conferences, the ICARE team has made a mark of its expertise in disseminating research findings across the globe. Photovoice is another tool of our community engagement where community members are provided with cameras to take pictures that convey "images of the world". Based on the inputs from these, the community members participate in a dialogue about promoters for better ways of accessing eye care by the local community.

Consultancy and capacity building is another arm of ICARE that has seen an organic growth of its experience and expertise in building and training new capacity for the rest of the world. This has resulted in continuing existing collaborations for capacity building and support of hospitals under the Centre for Community Ophthalmology; the Evaluation of Potential Partners for Operation Eyesight and Evaluation of the partners of the ORBIS Childhood Blindness Project. Our partnership with TOMS - One for One Giving Eye Sight Program in partnership with Seva Foundation is ongoing and has helped us to provide additional services of glasses, surgeries and medical treatment to all those in need.

With a motto to integrate primary eye care with primary health care, ICARE initiated the Sunethra-Hospital Based Community Eye Health Project in collaboration with Operation Eyesight Universal. Additional focus areas include a special drive on promoting environmental responsibility amongst our staff. Solar power units were made fully functional in a few of our secondary eye care centres which helped us to add an environment friendly edge to our service delivery component.

With all the support and enabling environment given by the Institute, Dr Srinivas Marmamula, Associate Public Health Specialist at ICARE was sent to Johns Hopkins to pursue his post doctoral studies. He reiterates, "I want to be a torchbearer in taking the vision and mission of the institute forward."

We are indebted to all our donors and institutions spread across the globe for extending their support and contribution. It is always inspiring and motivating to serve and deliver our best to needy people.

Complemented by dynamic governance, motivated teams and sophisticated technology, ICARE aspires to evolve into a highly efficient eye health care service delivery component for LVPEI as we step into another year with a success driven manifesto given for the next 25 years.



## Highlights

- Essilor Ltd donated a Mobile Screening Van for LVPEI's Mobile Refraction Screening Programme. This programme comprises mobile screening, refraction and spectacles dispensing for needy people.



- The web based course on eye care management as a part of Masters in Community Eye Health was completed. The UNSW team Dr Catherine Suttle, Dr Isabella Jalbert and Ms. Belinda Allen along with ICARE faculty reviewed the course requirements for the next academic year. (*Details on Page 75*).
- The graduation ceremony of LVPEI's Ramachandra Pararajasegaram Community Eye Health Education Centre was organized for students of Diploma in Eye Health Management, Diploma in Community Eye Health and Masters in Community Eye Health. (*Details on page 75*).
- World Sight Day was celebrated across the Village Vision Complex with the theme "Eye health is every one's business"



- Workshop on 'Operational Management for Effective Eye Care Services' for VISION 2020 India was organized at LVPEI.
- As a part of capacity building, quality enhancement program and skills transfer program of Vision 2020 India, Dr Rohit Khanna and Dr Padmaja Kumari Rani visited a few hospitals, and Dr Usha Gopinathan visited six ophthalmology institutes in the country for evaluation of quality practices and for providing recommendations for the improvement of basic minimum standards in both clinical and non clinical functions of these facilities.
- Board members from Lavelle Fund for the Blind, Inc., USA, visited ICARE to review the rural network
- Prof Al Sommer and Mrs Jill Sommer from Johns Hopkins Bloomberg School of Public Health visited Kuchukulla Ramachandra Reddy Eye Centre, a rural secondary level eye care facility in Thoodukurthy Village, NagarKurnool Mandal, Mahabubnagar District, Andhra Pradesh.
- TOMS - One for One service grant facilitated through SEVA foundation, USA, continues its support in providing additional services for surgical care, glasses and medical treatment to all those in need.

- Dr M Srinivas is with the Wilmer Eye Institute, Baltimore, USA, for his post doctoral studies
- World Glaucoma Week and World Diabetes Day was celebrated across the Village Vision Complex (VVC) network.



## Village Vision Complex Secondary Eye Care Centres

LVPEI's 11<sup>th</sup> secondary eye care centre, the Y. Mahabaleswarappa Memorial Eye Centre in Bellary, Karnataka, was inaugurated on February 13. This centre has come up with support from Y Mahabaleshwarappa & Sons. Equipped with the EMR (Electronic Medical Records) System, this centre is the institute's first satellite centre in the state of Karnataka.

The groundbreaking ceremony of LVPEI's 12<sup>th</sup> satellite secondary eye care centre, the Edward and Soona Brown Eye Centre, Sattenapalli, Guntur district, took place on January 28, 2013. This centre is coming up with the support of Mrs. Soona and Mr. Edward Brown of France.



## Primary Eye Care Centres (Vision Centres)

Five Vision Centres were inaugurated in Guntur, Krishna, Srikakulam and West Godavari districts of Andhra Pradesh. Equipped with the requisite infrastructure and trained Vision Technicians, they bring up the total number of vision centres to 93. The Latter-day Saint Charities, USA, and the Lavelle Fund for the Blind Inc., USA, support these vision centres, followed by the local communities.

Among the five Primary Eye Care Centres, three are connected to the tertiary centre Sri Kode Venkatadri Chowdary Campus, Vijayawada, and two are connected to one of our partner hospitals in Srikakulam district. (*Details on page 14*).

## Cumbum Vision Centre

The Papireddy Ramireddy Vision Centre at Cumbum in Prakasam district has been re-located and inaugurated



on 11<sup>th</sup> March. Present on the occasion were Smt BVS Ratna Kumari (donor), Sri BVR Mohan Reddy (Chairman & MD, Infotech, Hyderabad), Sri Anna Venkata Rambabu (MLA, Giddalur), and Sri Kolli Raghu Ram Reddy (IPS, Prakasam), among others.

## First Solar Powered 'Green' VC

VPEI's first 'green' Vision Centre was launched on 9<sup>th</sup> March. A 1.5 KW solar system was installed at the Pedapadu Vision Centre - with the generosity of HBL Power Systems - and the centre is now running completely on solar power.



## Consultancy and Collaboration

### Operation Eyesight Universal

VPEI continued its partnership with Operation Eyesight Universal in India and assisted in evaluating its partner hospitals:

- Arogyavaram Eye Hospital, Sompeta, Andhra Pradesh
- Siliguri Greater Lions Eye Hospital, Siliguri, West Bengal
- Thakur Sitaram Seva Kendra Eye Hospital, Malda, West Bengal

- Udayagiri Lions Eye Hospital, Udgir, Maharashtra
- Dr Jawaharalal Rohatgi Eye Hospital, Kanpur, Uttar Pradesh
- Khairabad Eye Hospital, Kanpur, Uttar Pradesh
- Bansara Eye Centre, Shillong, Meghalaya

### SEVA Centre for Community Ophthalmology

VPEI is part of the Centre for Community Ophthalmology network which is Seva's Clinton Global Initiative - So one million eyes see again. The activities performed include evaluation of partner hospitals, training of their teams and infrastructure development. The eye hospitals partnered include:

- Sewa Sadan Eye Hospital, Bhopal, Madhya Pradesh

Activities during the year include infrastructure development, strategic planning workshops and training of new recruits, and refresher courses for existing staff. Help was also extended to strengthen their community outreach activities.

Ms. Suzanne Gilbert and Mr. Nagarajan from Seva Foundation visited LVPEI as well as the CCO of the Moradabad hospital being mentored.

LVPEI along with Seva Foundation coordinated the Global Sight Capacity Building Initiative meeting.

### ORBIS International

LVPEI partnered with ORBIS International to evaluate the ORBIS Childhood Blindness Project in India. 14 hospitals were evaluated as part of this program. The future strategy and direction is to be reviewed by Orbis India.

## The IAPB and ICARE Connect

- A Series of guest lecture were organized. These include lectures by Prof David Friedman, Dr Silvio Mariotti, Mr Hasan Minto, Dr Ivo Kocur and Prof Sheila West
- The IAPB South East Asia (SEA) region meeting was held on 16 Jan 2013. A total of 17 participants from various nations attended the meeting. The objective of the meeting was to identify priorities for IAPB support towards the development of eye health services in the South-East Asia region and identify potential funding opportunities to support the priorities.



*IAPB South East Asia Regional Meeting*

## 9GA Delegates Tour VVC

Close to 200 delegates of the 9<sup>th</sup> General Assembly of the International Agency for the Prevention of Blindness (IAPB), co-organized by LVPEI in Hyderabad (17-20 September 2012) toured LVPEI's Thoodukurthy Village Vision Complex (VVC). The delegates were very appreciative of the model that provides eye care service delivery in rural areas at three interlinked levels comprising community, primary and secondary.



## Service Delivery

The services at primary care vision centres are offered entirely free of cost. A total of 149,218 people were screened last year and 47,828 were prescribed spectacles for refractive errors.

Performance	Screening	Spectacles prescribed*	Spectacles dispensed*	Referred to service centre
<b>Rural (91)</b>				
Bhainsa, Kubeer, Nandipet, Navipet, Kallur, Lokeshwaram & Tannur, (Bhosle Gopal Rao Patel Eye Centre, Mudhole)	17,358	5367	4628	4313
Utnoor, Boath, Jainath, Bela, Narnoor, Jainoor, Jannaram, Medarpet, Talamadugu, Gudihathnoor, Echoda & Indervelly (Seshanna Chennawar Eye Centre, Adilabad)	17,393	6717	6506	3245
Wanaparthys, Achampet, Nagarkurnool, Kothakota, Kollapur, Ghanapuram, Bijnapally, Telkapally, Kalwakurthy, Lingala & Amangal, (Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy)	23,611	7537	4896	6937
Parchuru, Panguluru, Pedanandipadu, Yeddanapudi, Marturu, Ballikuruva, Epurupalem, Chinnaganjam, Naguluppala padu & Vetapalem, (Venkata Lakshmi Eye Centre, Karamchedu)	21,218	6145	4823	3735
Tripuranthakam, Yerragondapalem, Dornala, Cumbum, Bestavaripeta, Giddalur, Podili, Darsi, Kurichedu & Chimakurthi (Sudhakar & Sreekanth Ravi Eye Centre, Markapuram)	9285	2684	1372	2170
Tangutur, Kondapi, Lingasamudram, Chandrasekharapuram, Singarayakonda, Pamuru, Ulavapadu, Medarmet, Santhanuthalapadu & Kothapatnam (Sudhakar & Sreekanth Ravi Eye Centre, Kandukuru)	8082	2693	1337	2090
Nimmanapalle & B Kothakota, (Siloam Eye Centre, Madanapalle)	1022	203	148	367
Ravulapalem, (Paramahansa Yogananda Nethralaya, Rajahmundry)	1031	685	542	120
Chodavaram, Shrungavarapukota, Revidi, Gajapathinagaram, Govindapuram, Yelamanchili, Kailasapatnam, Kasimkota, K Kotapadu & Kothavalasa (LVPEI Visakhapatnam)	16,245	4711	3341	5676
Kovvali, Kapileswarapuram, Utukuru <sup>1</sup> , Mylavaram <sup>2</sup> & Pedapadu <sup>3</sup> (LVPEI Vijayawada)	8401	2581	1019	1667
Yellandu, Kallur, Manuguru, Ashwapuram, Dammappet, Tekulapally, Chandrugonda, Tallada & Cherla (Nava Bharat Eye Centre, Paloncha)	15,964	4803	3244	4346
Amrutaluru & Bhattiprolu (Dr Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli)	3197	1131	593	760
Mandas <sup>4</sup> & Santhabommali <sup>5</sup> , (Arogyavaram Eye Hospital & Contact Lens Clinic, Sompeta, Srikakulam dist)	758	226	130	197
<b>Urban (2)</b>				
LVPEI-VST Vision Centre, Ramnagar; Vision Centre, Kismatpur	5653	2345	1774	1301
<b>Total</b>	<b>149,218</b>	<b>47,828</b>	<b>34,353</b>	<b>36,924</b>

Note: The affiliate service/ tertiary centres within brackets

\*Includes spectacles sold to patients referred by service centres and non-prescription sunglasses, photochromatic glasses, etc.

<sup>1</sup>Inaugurated April 23, 2012 • <sup>2</sup>Inaugurated December 17, 2012 • <sup>3</sup>Inaugurated January 4, 2013 • <sup>4</sup>Inaugurated December 30, 2012 •

<sup>5</sup>Inaugurated March 8, 2013

## Secondary Eye Care – Satellite and Partner Centres

During the year 285,321 people were seen at our secondary care centres.

### Satellite Centres

Rural satellite & partner centres	Paying		Non-paying	
	Outpatient	Surgeries	Outpatient	Surgeries
Bhosle Gopal Rao Patel Eye Centre, Mudhole, Adilabad	15,507	1547	6669	1424
Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy, Mahabubnagar	8101	459	5958	1187
Seshanna Chennawar Eye Centre, National Highway Road, Adilabad	1331	551	1485	1008
Siloam Eye Centre, Madanapalle, Chittoor	10,377	534	2240	594
Venkata Lakshmi Eye Centre, Karamchedu, Prakasam	5040	320	4875	857
Swarna Bharat Eye Centre, Venkatachalam, Nellore	1457	176	5097	861
Sudhakar & Sreekanth Ravi Eye Centre, Markapuram, Prakasam	6881	613	5143	1570
Sudhakar & Sreekanth Ravi Eye Centre, Kandukuru, Prakasam	3209	162	3281	528
Nav Bharat Eye Centre, Paloncha, Khammam	13,906	875	9508	1742
Dr Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli, Cherukupalli Mandal, Guntur	6009	262	4691	482
Y Mahabaleswarappa Memorial Eye Centre, Talur Road, Bellary <sup>1</sup> , Karnataka	57	-	62	-
Total	71,875	5499	49,009	10,253

<sup>1</sup>Inaugurated: February 13, 2013

Total outpatient visits: 120,884

Total surgeries: 15,752

### Partner Centres

Rural satellite & partner centres	Paying		Non-paying	
	Outpatient	Surgeries	Outpatient	Surgeries
Mullapudi Venkatarayudu Eye Centre Tanuku, West Godavari	10,881	956	1329	149
Smt. Rajeshwari Ramakrishnan Lions Eye Hospital, Nidadavole, West Godavari	15,803	1434	11,258	3680
St. Gregorius Balagram Eye Hospital, Yacharam, Ranga Reddy District	6797	289	2880	1038
Lions Club of Suryapet Eye Hospital, Suryapet, Nalgonda	2654	407	1721	2137
The Rotary Eye Hospital, Proddutur, Kadapa	9630	1624	2979	1545
Paramahansa Yogananda Netralaya, Vemagiri, Rajahmundry	16,199	1660	11,328	2746
Urban partner centres in Hyderabad				
M S Reddy Lions Eye Hospital, Moula Ali	11,610	865	12,623	2934
Kishore Chand Chordia Eye Centre, Begum Bazaar	7044	423	25,875	3531
Balanagar Lions Eye Hospital, Balanagar	11,345	417	2481	739
Total	91,963	8075	72,474	18499

Total outpatient visits: 164,437

Total surgeries: 26,574

## Anniversary Events

### ICARE celebrates 14<sup>th</sup> Anniversary

The 14<sup>th</sup> Anniversary of the International Centre of Advancement of Rural Eye care (ICARE) was celebrated on 17 December 2012.

#### 1<sup>st</sup> Anniversary of Gudavalli Centre

The first anniversary of LVPEI's 10<sup>th</sup> secondary centre, Dr Kommareddy Raja Ram Mohan Rao Eye Centre in Gudavalli village of Cherukupalli mandal, Guntur district, was celebrated on 24 August 2012.



#### Thoodukurthy Centre Celebrates 14<sup>th</sup> Anniversary

The Kuchukulla Ramachandra Reddy Eye Centre at Thoodukurthy, LVPEI's 2<sup>nd</sup> satellite centre, celebrated its 14<sup>th</sup> anniversary on 24 October 2012.



#### 7<sup>th</sup> Anniversary of Adilabad Centre

The 7<sup>th</sup> Anniversary of Seshanna Chennawar Eye Centre, Adilabad (4<sup>th</sup> satellite centre) was celebrated on 9 June 2012.



#### Madanapalle Celebrates 5<sup>th</sup> Anniversary

6<sup>th</sup> anniversary of Siloam Eye Centre, Madanapalle, Chittoor District, was celebrated on 11 March 2013.



#### 10<sup>th</sup> Anniversary of Karamchedu Centre

The 10<sup>th</sup> anniversary of Venkata Lakshmi Eye Centre in Karamchedu, LVPEI's 3<sup>rd</sup> satellite centre, was celebrated on 7 June 2012. The centre was established with the support of Dr D Rama Naidu. In 10 years, the centre has served close to 87,000 outpatients and has performed about 11,700 surgeries, 72% of them at no cost. An additional 100,000 patients have been screened at the 10 Vision Centres attached to it.

## 5<sup>th</sup> Anniversary of Nellore Satellite Centre

The Swarna Bharat Eye Centre, at Nellore (6<sup>th</sup> Satellite Centre) celebrated its 5<sup>th</sup> anniversary on 1 July 2012. In five years, the centre has seen more than 20,000 outpatients with 75% of them belonging to the non-paying category. Of the 2300 surgeries performed, 85% were done free of cost. Additionally, 115,000 people were screened in community eye care programs during the year 2011-12.



## Markapuram Celebrates 5<sup>th</sup> Anniversary

5<sup>th</sup> anniversary of Sudhakar and Sreekanth Ravi Eye Centre, Markapuram, was celebrated on 3 January 2013. This is LVPEI's seventh satellite centre.

## Kandukuru Secondary Centre Celebrates 4<sup>th</sup> Anniversary

The Sudhakar and Sreekanth Ravi Eye Centre at Kandukuru in Prakasam district celebrated its 4<sup>th</sup> anniversary on 1 February 2013.



## 16<sup>th</sup> Anniversary of Mudhole Centre

The 16<sup>th</sup> anniversary of Bhosle Gopal Rao Patel Eye Centre, at Mudhole, LVPEI's very first satellite centre, was celebrated on 20 December 2012. Since its inception, the centre has seen 236,778 outpatients and performed 32,919 surgeries (up to 19 December 2012). The family of the main donor, Mr Narayan Rao Patel, graced the occasion.



## Paloncha Secondary Centre is Two Years Old

The 2<sup>nd</sup> anniversary of Nava Bharat Eye Centre, Paloncha, was celebrated on 19 February 2013. This is the institute's 9<sup>th</sup> secondary care satellite centre.

## Photo Voice Pilot Launched

**A** Photo Voice pilot project was launched in Thoodukurthy Village Vision Complex by ICARE on 10 July 2012.

Photo Voice (PV) is a tool used to encourage participative action to address social and environmental issues for community development. Participants use photographs taken in real situations to highlight problems or desirable changes within the community to build a story for initiating social action at the grassroots level. Photo Voice has been used to better understand public health issues, formulate people empowerment strategies and behavioral modifications. Dr Nance Wilson from the University of Berkeley trained the ICARE team in March 2012.



## World Diabetes Day 2012

**T**he Institute commemorated World Diabetes Day from 14-20 November 2012 throughout its Village Vision Complex network in Andhra Pradesh, showcasing its comprehensive approach to eye care through various events focused on prevention, promotion, treatment and rehabilitation.

A symposium on 'Diabetes and its complications' was organized. GHMC Aasara Project Director Smt R Mamatha Bai, Chief Guest, assured support for such programs.



## ICARE Launches its First Online Course

The Institute's International Centre for Advancement of Rural Eye care (ICARE) announced the commencement of its first online course in Eye Care Program Management, which is being offered as part of the Masters in Community Eye Health (MCEH) program, in collaboration with the University of New South Wales (UNSW), Sydney, Australia. The 9-week course was conducted from 14 May to 15 July 2012, with students participating from their homes by accessing the material online.

Ten students enrolled for the first batch, including 4 full-time MCEH students, 5 students pursuing Masters in Optometry and 1 student pursuing Masters in Public Health at UNSW. Of these 6 are from Australia, 1 each from Africa and Malaysia and 2 from India. ICARE plans to organize more online courses next year, and is working in a phased manner to offer the complete MCEH program online from the year 2014.

## EMR in Tudukoorthy

Electronic Medical Record (EMR system) has been set up in Kuchukulla Ramachandra Reddy Eye Centre, Tudukoorthy, Mahabubnagar district. After the Navabharat Eye Centre, Paloncha, and Dr. Kommareddy Raja Ram Mohan Rao Eye Centre, Cherukupalli, this is the 3<sup>rd</sup> secondary centre to go for EMR.



## Public Health Professionals Graduate

The graduation ceremony of ICARE's Ramachandra Pararajasegaram Community Eye Health Education Centre on 17 December 2012 saw 34 students graduate: 4 in Masters in Community Eye Health, 5 in Diploma in Community Eye Health, 12 in Diploma in Eye Health Management and 13 in the Certificate Course in Program Management & Evaluation.

Dignitaries who spoke included Dr R Pararajasegaram, former WHO Regional Advisor and former President, IAPB, (through Skype); Dr Prasanta Mahapatra, Additional Director General of Training, Dr Marri Channa Reddy HRD Institute of Andhra Pradesh; and Dr Catherine Suttle, University of New South Wales (UNSW), Australia (in a recorded message). Also present was Dr Sankariah, Joint Director, National Programme for the Control of Blindness.



## At the Base of the Pyramid

### Cataract Surgery Restores Shivakka's Vision

Kojolla Shivakka, 68, who hails from Bhainsa in Adilabad is a widow. She lives with her sister and grandson. Shivakka used to sell vegetables to support her family but had to give it up owing to her poor vision.

Krishna Leela, a Vision Health Guardian trained by ICARE at LVPEI, met Shivakka during a routine screening program and found cataract in both her eyes. Leela counselled Shivakka and accompanied her to the secondary centre in Mudhole, Adilabad, for treatment. Shivakka had cataract surgery performed in both her eyes with help from Leela and field supervisor Sayanna.

Today, Shivakka is back on her feet and is able to fend for herself and her family. With a big smile, she expresses her gratitude to LVPEI for all the help and support she has received during those difficult years. She is also grateful to Leela and Sayanna for their personal attention.



### Surgery Restored Her Livelihood

Jaithunnisa Syed who lives in Kothagudem earns her livelihood grazing cattle. All of a sudden she noticed vision problems, and soon approached the local doctor for treatment but to no avail. Owing to the problem, she was losing her livelihood. It was then that one of LVPEI's vision technicians Nazma, Jaithunnisa's neighbor, referred her to the Nava Bharat Eye Centre at Paloncha. She was operated upon and her vision improved to 6/12. Jaithunnisa is now happy and sends her salutations to LVPEI!

## Community Eye Care

### Service Delivery: Screening Programs

	LVP VVC*	KVC*	GMRV*	HOUSE*	CLIP*	S2RS*	Total
Slums/villages surveyed	536	59	223	-	-	20	838
Population covered by door to door surveys	571,409	91,865	161,422	-	-	24,416	849,112
Identified with eye ailments	72,787	8,648	9086	-	-	4657	95,178
People identified with diabetes/ high risk for diabetes	1771	1361	818	-	-	956	4906
Community screening programs organized	960	7	71	114	28	20	1200
People screened	25,089	621	7452	9016	2303	1311	45,792
Prescribed spectacles	7532	171	1662	3082	1042	407	13,896
Referred for further management	6712	92	2695	1853	867	256	12,475
Dispensed spectacles	1291	3	588	1085	224	342	3533
Awareness programs conducted	124	-	-	-	746	20	890

	LVP VVC*	KVC*	GMRV*	HOUSE*	CLIP*	SFK*	Total
Children's screening programs	127	15	114	12	52	153	473
Schools covered	97	-	38	1	25	181	342
Teachers trained	20,035	3690	11,648	3177	3867	10,048	52,465
Children screened	1583	350	383	344	240	325	3225
Identified with eye problems	565	15	213	115	11	26	945
Prescribed spectacles	1477	83	128	117	121	45	1971
Anganwadi (crèche level) screening for children 0-5 years of age							
Programs organized	17	11	61	-	52	-	141
Children screened	418	500	1757	-	1221	-	3896
Identified with eye problems	19	4	2	-	41	-	66
Referred for further management	13	4	2	-	15	-	34

### Service Delivery: Community Based Rehabilitation

Community based rehabilitation of visually challenged	LVP VVC*	KVC*	CLIP*	S2RS*	Total
Blindness/low vision	337	85	30	8	460
Counselled for rehabilitation	264	86	-		350
Base hospital certification	147	30	-		177
Medical board certification provided	189	81	15	8	293
Low vision service	28	8	-		36
Low vision devices	16	-	-		16
Orientation and mobility and activities of daily living skills training	352	83	12		447
Travel concession - Bus	99	54	-		153
Travel concession - Train	49	39	-		88
Pension - old age	56	5	15		76
Pension - handicapped	165	74	-		239
School admission facilitated	20	1	4		25
Scholarship facilitated	5	13	-		18

\*LVP VVC: 10 secondary level satellite centres of LVPEI; \*KVC: Kode Venkatadri Chowdary Campus; \*GMRV: GMR Varalakshmi Campus;

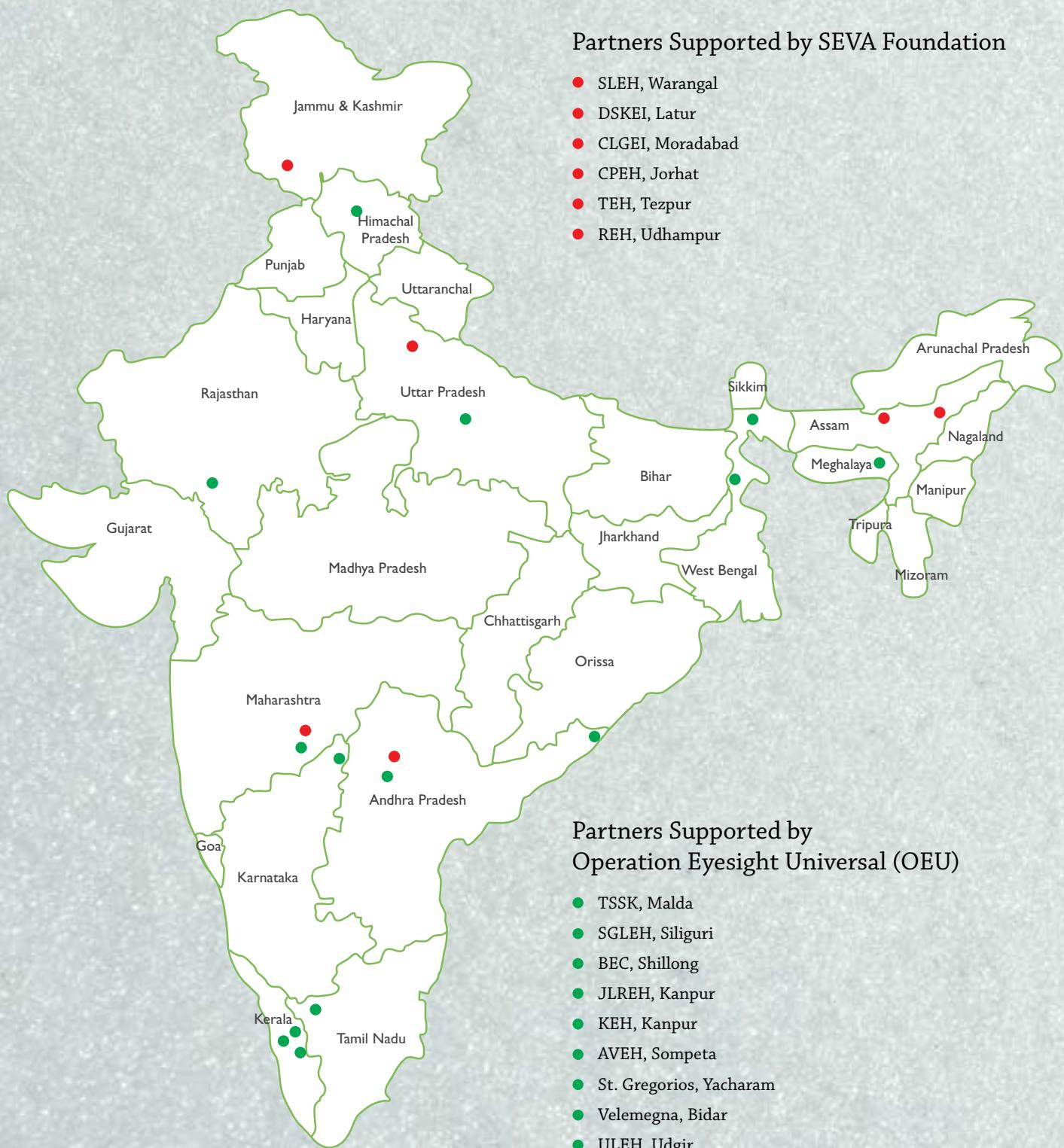
\*HOUSE: Hyderabad Urban Slums Eye Care Program; \*CLIP: Community Linked Integrated Program, Jainath; \*SFK: Sight For Kids; \*S2RS: Sight to ReSight

## Operations Research at ICARE

Project Title	Investigators	Supported by	Project Update
L V Prasad Eye Institute - Glaucoma Epidemiology and Molecular Genomics Study (LVPEI-GLEAMS) <i>September 2010 to August 2013</i>	Dr G Chandra Sekhar Dr Rohit Khanna Dr Harsha BL Rao Dr Padmaja K Rani Dr Subhabrata Chakrabarti Mr Uday Kumar Addepalli Mr Ganesh Babu Jonnadula	LVPEI	Ongoing in Pedanandipadu, Guntur district Recruited till date: (1489 male & 1953 female patients) Identified with eye ailments including primary glaucoma: 940 Referred for laser surgery: 49 (YAG PI) Cataract services: 521
Andhra Pradesh Eye Disease Study III (APEDS III)-Follow Up Study <i>June 2012 - ongoing</i>	Dr Rohit Khanna Dr Subhabrata Chakrabarti Dr Srinivas Marmamula Dr P Giridhar Ms Ashalatha ICEH: Dr Clare Gilbert Dr GVS Murthy	LVPEI	Ongoing in Thoodukurty, Mahboobnagar district Subjects examined: 1393 Referred for cataract surgery: 219 Spectacles prescribed & dispensed: 409
Rapid Assessment of Visual Impairment (RAVI) project in Warangal district, AP, India <i>April – June 2012</i>	Dr Srinivas Marmamula Mr S Narsaiah Mr Shekar Konegari	LVPEI	Undertaken in Warangal district Total enumerated: 2600 Total examined: 2438 (93.8%) Prevalence of blindness (visual acuity <6/60 in the better eye): 5.6% (95% Confidence interval: 4.7 – 6.6) Prevalence of moderate visual impairment (visual acuity <6/18 to 6/60 in the better eye): 8.6% (95% Confidence interval: 7.5 – 9.8) Leading causes of blindness: Cataract (82.5%), uncorrected refractive errors (10.2%) Leading causes of moderate visual impairment: Uncorrected refractive errors (66.5%) and cataract (28.7%)
<b>INITIATIVES FOR CHILDREN</b>			
Nimmagadda Prasad – LVPEI Children's Eye Health Initiative <i>July 2007 to June 2020</i>	Ms Korani Jyothi Ms S Sheela Devi Mr Jachin D Williams	Nimmagadda Foundation, India	Schools covered: 319 Teachers trained: 812 Children screened: 42,074 Referred for detailed eye examination: 2840 Outpatient screened: 27,529 Surgeries performed: 3447 Spectacles prescribed & dispensed: 3173 <b>0-5 years children screening:</b> Screening programmes: 178 Anganwadi teachers trained: 83 Anganwadi school children screened: 3901 Identified with eye problems: 51
Sight for Kids (1 year - based on allocation of funds by Johnson & Johnson/ Lions Club International Foundation)	Mr Jachin D Williams Ms Korani Jyothi Mr M Veeru	Lions Clubs International Foundation, USA	Schools covered: 153 Teachers trained: 181 Children screened: 10,048 Referred for detailed eye examination: 325 Spectacles prescribed & dispensed: 26

EMPOWERING RURAL COMMUNITIES			
Sight to Resight Vision Health Guardian Project <i>September 2010 – ongoing</i>	Dr Padmaja Kumari Rani Dr Suresh Kuruganti Mr Jachin D Williams Ms Korani Jyothi	Resight, USA	Population screened: 24,416 Eye problems identified: 4657 Examined at vision centre: 1706 Spectacles prescribed & dispensed: 418 Examined at secondary centre: 427 Operated for cataract: 197
Essilor – LVPEI Mobile Refraction Screening Programme <i>March 2013 - ongoing</i>	Dr Padmaja Kumari Rani Ms S Sheeladevi Ms Korani Jyothi	Essilor, India	Population screened: 1144 No. screened for diabetes: 249 Spectacles prescribed & dispensed: 157 Examined at secondary centre: 38
Community Linked Integrated Project (CLIP) <i>"Blindness free" Jainath, Jainath Mandal, Adilabad district</i>	Dr Suresh Kuruganti Mr Jachin David Williams Dr Padmaja Kumari Rani Mr Franklin Daniel	Operation Eyesight Universal, Canada	Mandals: 1 Vision Health Guardians: 22 Villages covered: 53 Population screened: 33,402 Eye problems identified: 4740 Examined at vision centre: 1354 Spectacles prescribed & dispensed: 799 Examined at secondary centre: 733 Operated for cataract: 293 Vision Health Committees formed: 19 Vision Gardens developed: 16
Photo Voice - tool used to encourage participative action to address social and environmental issues for community development <i>January 2012 - ongoing</i>	Dr Padmaja Kumari Rani Mr Jachin David Williams Ms Korani Jyothi	University of California, Berkeley School of Optometry	Ongoing in Thoodukurthy, Mahboobnagar district No. of staff trained: 16 No. of Photovoice sessions conducted: 20 No. of villages identified: 3 No. of group members selected: 36
DIABETIC RETINOPATHY			
Capacity building program to address diabetes and diabetic retinopathy in Prakasam district <i>September 2008 - ongoing</i>	Dr Padmaja Kumari Rani Ms S Sheeladevi Ms Korani Jyothi	World Diabetes Foundation, Denmark	Identified as diabetics: 6837 Known diabetics, received diabetes care: 18,498 Eye screening for diabetics: 14,511
Alcon – LVPEI diabetic retinopathy screening at primary eye care in rural India <i>December 2012 - ongoing</i>	Dr Padmaja Kumari Rani Ms S Sheeladevi Ms Korani Jyothi	Optometry Giving Sight, UK	Vision Health Guardians: 15 Villages covered: 10 Population screened: 8465 Eye problems identified: 1610 Identified at risk for diabetes: 25 Known diabetics: 79 Known hypertensive patients: 147
Integration of general health and eye screening at vision centre <i>March 2013 - ongoing</i>	Dr Padmaja Kumari Rani Ms S Sheeladevi Ms Korani Jyothi	Vision CRC, Australia	Vision centres - 17

## National Collaborating Centres



Our institute is committed to high standards of education. LVPEI has successfully completed its first 25 years, and everyone has contributed to this success. Marking this milestone, we hosted a special series of educational programs and workshops throughout the year 2012-13.

To meet the shortage of trained eye care professionals, the training capacity has been almost doubled. Currently, we have training opportunities at:

- 1) Mark Nathaniel Thadikonda and Vijayamma Nannepaga Centre for Eye Care Education, Hyderabad
- 2) Ramachandra Pararajasegaram Community Eye Health Education Centre, ICARE, Hyderabad
- 3) Bausch & Lomb School of Optometry, Hyderabad
- 4) Pathak Centre for Eye Care Education, Bhubaneswar campus
- 5) Pathak Centre for Eye Care Education, GMR Varalakshmi campus, Visakhapatnam

Online education programmes are becoming increasingly common with many educational institutions. Masters in Community Eye Health program will be the first one among our education programs to follow this trend. The University of New South Wales team from Sydney was here to work with our group with the aim of making all modules available online by the end of 2013. This experience will also help us replicate this with some of our other education programs in future. This convergence of education and technology will certainly benefit many, through initial education and continuing education, covering multiple cadres of eye care professionals in future, as scarce human resources remains a major impediment for effective eye care delivery around the world.

For all cadres of eye care personnel access to written, published material is a major prerequisite for having a solid background for training and development. The library in our Hyderabad's Kallam Anji Reddy Campus owes its present status to the financial support from our long term friend and well wisher Mr B R Barwale of Mumbai.





*Mr Labishetty Vivek receives the Gold Medal from Dr Gullapalli N Rao*

## Convocation for Optometry Graduates

The Bausch & Lomb School of Optometry (BLSO) celebrated its 8<sup>th</sup> Convocation Day on 11 August 2012, with 27 students graduating from the Bachelor of Science (Optometry) program, which is conducted in collaboration with BITS, Pilani. Mr Labishetty Vivek, the best outgoing student, is the first ever to score a perfect 10 out of 10 CGPA (Cumulative Grade Point Average). He won the Prof T Navaneeth Rao Gold Medal, instituted by Prof P K Sai Prakash, Principal, BLSO, in honour of his teacher.



23 students of the 2008 batch graduated with Bachelors of Science (Optometry) at the 9<sup>th</sup> convocation day of LVPEI's Bausch & Lomb School of Optometry (BLSO) on 30 October 2012. Mr Bandela Praveen Kumar won the Prof T Navaneeth Rao Gold Medal for best outgoing student, and Ms Peguda Rajini received a certificate for securing the highest marks.



## 29 Optometry Fellows Begin their Careers

The graduation ceremony of the 2011-2012 batch of optometry fellows was conducted on 28 August 2012. The diverse group, including 2 from Ghana and 27 from across India, completed their clinical training in optometric and ophthalmic subspecialties. The group was special for several reasons: Firstly, it was our silver jubilee batch and, as a testimony to our world-class training, every fellow's performance was exemplary. Secondly, the fellows were trained under a new model of evaluation that maps each person's growth on a monthly basis and rewards good performance by offering them an opportunity to attend graduate level courses conducted by our research optometry faculty. Eight fellows attended these classes, along with the Bachelor of Science (BS) optometry interns from the Bausch & Lomb School of Optometry.



*The outgoing optometry fellows*

## Indian Contact Lens Education Program (ICLEP)

The 48<sup>th</sup> (ICLEP), 30 June – 2 July 2012, aimed at training students and practitioners on the basics of contact lens practice and management. A team of contact lens faculty from the Kallam Anji Reddy campus of LVPEI, Hyderabad, and the Bausch and Lomb School of Optometry conducted the lectures and workshops. Guest faculty Mr Jerome Ozkan from Australia presented several talks. The program was attended by 69 delegates from all over India.



*A hands-on training session*

## EyePEP Draws a Good Response

The 5<sup>th</sup> EyePEP Post-Graduate Education Program (30 September - 7 October 2012) was attended by over 250 postgraduates. The sessions ranged from lectures in basic eye examination techniques to subspecialty talks, with the focus on both ophthalmology and career orientation. Hands-on courses were conducted in various subspecialties. The program included objectively structured clinical examinations (OSCE) and case presentations, with exciting prizes for the winners. The live telecast of EyePEP was seen by more than 1100 online viewers, with live interaction during the Q&A sessions.

The EyePEP Icon for the year, Prof Amod Gupta, Professor of Ophthalmology, Post Graduate Institute of Medical Education and Research, Chandigarh, gave an inspirational address to the participants. Dr Gullapalli N Rao presented the Golden Apple to him. The Polished Apple award for best teacher was won by Dr Pravin V Krishna. The DNB residents of LVPEI walked away with a rich haul of prizes with Maneck Nicholson, Shail A Vasavada and Sayali S Sane coming in first, second and third, respectively, in the quiz. Anupam Bagdi stood first, Shail stood second and Sayali received a special prize in the PG Grand Rounds competition. Shail was also awarded a special prize at the iPeppy cultural evening.



*Dr Gullapalli N Rao presents the EyePEP Icon 2012 award to Prof Amod Gupta*

## Group from Carey Business School visits LVPEI

A group of interns from Carey Business School, Johns Hopkins University, Baltimore, USA, visited LVPEI from 6-18 January 2013 as part of their International Interns Program. They were working on an "Innovations for Humanity Project". The team, led by Prof Bonnie Robeson and Program Manager Mr Dan Sheats included Ms Hye Jin (Sally) Choi, Mr Sungmoon Jung, Mr Joe Marcino and Mr Eric Yockey.



*The Carey Business School team with the staff of LVPEI's secondary care Kuchukulla Ramachandra Reddy Eye Centre at Thoodukurthy.*

## World Sight Day

The Institute's Bausch & Lomb School of Optometry (BLSO) commemorated World Sight Day 2012 by conducting a vision screening program for school children at Nalanda Grammar High School in Bonguluru village in Ranga Reddy district, on 11 October 2012. BLSO faculty and students screened 417 school children, of whom 45 were identified with vision problems and eye disorders, 39 for the first time. LVPEI provides free spectacles to children in Andhra Pradesh under the Nimmagadda Prasad LVPEI Children's Eye Health Initiative, supported by the Nimmagadda Foundation. Children with complex conditions were referred to LVPEI Hyderabad, or our partner Gregorius Balagram Eye Hospital at Yacharam.



*Schoolchildren line up for an eye examination on World Sight Day*

## World Optometry Day Celebrations

World Optometry Day 2013 was celebrated at the Bausch & Lomb School of Optometry (BLSO) with great enthusiasm. The six day celebrations began on 23 March 2013. Industrial vision screening was organized at Pebs Pennar Industries, Kondapur. A total of 108 employees were comprehensively screened, twenty were recommended further evaluation and a survey was conducted during the assessment to look at their visual demands versus visual functions. Games were also conducted from 23-27 March. On the last day of the event, quiz and debate were organized on subjects of Optometry and on general knowledge. Students and faculty equally participated in sports and the celebrations ended with a prize distribution ceremony.

Bausch & Lomb School of Optometry students also attended the World Optometry Day (WOD) - 'Reflektionz 2013' celebrations at Sankara Eye Hospital, Bengaluru, 27-28 March 2013. BLSO students won a total of 7 awards for activities including debate, pick-and-speak, just-a-minute, art from waste, and face painting. The highlight of the participation was BLSO winning the prize for "maximum prizes"; Ms Tran Minh Anh, BLSO final year optometry student was 'Super Star of the Reflektionz'.



The 49<sup>th</sup> (ICLEP) Basic and Advanced Course was held from 5-9 December 2012. The program included theoretical as well as practical training and was supported by Bausch+Lomb Eyecare India. LVPEI faculty enriched the sessions with didactics and workshops. The three-day Basic Course was attended by 77 delegates and the two-day Advanced Course by 92 delegates.



## Global Leaders' Lecture

Prof Peter Dolman, Clinical Professor, University of British Columbia, Vancouver, Canada, delivered a talk on 'Dysthyroid Optic Neuropathy' (May 8, 2012).

## Guest Lectures

LVPEI's linkages with institutions and organizations the world over helps in drawing upon an international resource base of senior consultants and experts in every field of eye care. The Global Leaders Lecture Series commenced three years ago to engage with learning and knowledge sharing on a global platform. The series brings the best minds in ophthalmology and vision sciences in interaction with the faculty, fellows and trainees at LVPEI's four campuses (Hyderabad, Bhubaneswar, Visakhapatnam and Vijayawada) through real-time videoconferencing. We were also privileged to host eminent researchers and change-makers from many walks of life who gave lectures and engaged in discussions with our faculty, fellows and a distinguished invited audience.



**Dr W Selvamurthy,**  
Distinguished Scientist & Chief Controller Research & Development, DRDO, New Delhi - "Science in the service of the soldier" (April 11, 2012).



**Dr Steven E Feldon,** Director - Flaum Eye Institute University of Rochester Medical Center New York, USA - "Thyroid Eye Disease" (May 29, 2012).

"The role of imaging in glaucoma" (July 24, 2012) at LVPEI Bhubaneswar.



**Dr Shivalingappa Swamynathan,** Assistant Professor, Department of Ophthalmology, University of Pittsburgh School of Medicine Eye & Ear Institute, Pittsburgh, PA, USA - "Role of Krüppel-like factors in maturation and maintenance of the ocular surface" (April 27, 2012).



**Prof Bruce E. Spivey,** President, International Council of Ophthalmology, conducted the "Bruce Spivey Course" focussed on training and development of budding ophthalmologists (May 30, 2012).



**Prof Sheila West,** El-Maghraby Professor of Preventive Ophthalmology, Wilmer Eye Institute, The Johns Hopkins Hospital, Baltimore, MD, USA Director, Trachoma Research Program, Dana Center for Preventive Ophthalmology and the Center for Global Health, Johns Hopkins University - "Visual Impairment: What Does It Mean and How Is It Tied to Disability?" (September 18, 2012).



**Mr Anirudh Sharma,** Co-founder, Ducere Technologies Pvt Ltd - "Le Chal: Haptic Shoe for the Blind" (May 9, 2012).



**Prof Pradeep Y Ramulu,** Assistant Professor, Johns Hopkins University School of Medicine, Baltimore, MD, USA - "The Implications of Vision Loss for the Patient: Why What We Do is Important" (July 31, 2012)



**Dr David Hunter Cherwek,** Medical Director-Strategic Markets Alcon Laboratories, Beijing, China - "Importance of global participation and perspectives in one's career" (September 18, 2012).



**Prof Ramanjit Sihota,** Head, Glaucoma Research Facility & Clinical Services, Dr R P Centre for Ophthalmic Sciences, All India Institute of Medical Sciences, New Delhi -

**Dr Silvio Mariotti,** Prevention of Blindness and Deafness, World Health Organization, Geneva - "Neglected Diseases and Blindness" (September 19, 2012).



**Dr Geoffrey Tabin**, Professor of Ophthalmology and Visual Sciences and Director of the Division of International Ophthalmology, John A. Moran Eye Center, University of Utah, Salt Lake City, USA - "Impossible Dreams- Everest and Eradicating World Blindness" (September 19, 2012) & "Lamellar Keratoplasty 2012" (September 21, 2012).



**Dr Ivo Kocur**, VISION 2020 Global Coordinator, WHO Prevention of Blindness and Deafness, Chronic Diseases and Health Promotion Geneva, Switzerland - "Raising the Profile of Eye Health – the Role of WHO" (September 20, 2012).



**Dr David S Friedman**, Alfred Sommer Professor of Ophthalmology, Wilmer Eye Institute, Johns Hopkins University School of Medicine; Professor, Department of International Health, Johns Hopkins Bloomberg School of Public Health; and Director, Dana Center for Preventive Ophthalmology - "How to be a public speaker" (September 20, 2012).



**Dr Hasan Minto**, - "Child Eye Health" (September 21, 2012)



**Dr Ken K Nischal**, Chief, Pediatric Ophthalmology, Strabismus, and Adult Motility; Director, Pediatric Program Development, UPMC Eye Center; Professor of Ophthalmology, University of Pittsburgh School of Medicine, PA, USA - "Pediatric Keratoplasty: A Paradigm Shift" (September 29, 2012).



**Dr Joel S Schuman**, Chairman and Director, UPMC Eye Center, University of Pittsburgh School of Medicine, PA, USA - "OCT in Glaucoma" (September 29, 2012).



**Dr Ted Bianco**, Director, Technology Transfer Division, Wellcome Trust, London, UK - "Walking in the footsteps of Sir Henry Wellcome: a perspective on the Wellcome Trust's translational research agenda" (November 1, 2012).



**Dr Catherine Birt**, Associate Professor, Department of Ophthalmology and Vision Sciences, University of Toronto, Canada - "Preservative Exposure and Surgical Outcomes in Glaucoma Filtering Surgery: The PESO Study" (November 14, 2012).

**Drs. Henk Weeber and Marrie van der Mooren**, Abbott Medical Optics (AMO), The Netherlands - "Introduction to AMO, IOL light scatter" and "Mechanics of human accommodation and Presbyopia" (November 20, 2012).



**Dr Amy Nau**, Assistant Professor, Dept of Ophthalmology and the McGowan Institute for Regenerative Medicine, University of Pittsburgh School of Medicine, PA, USA - "Telerehabilitation: Leveraging the Internet to care for the Visually Impaired" (December 12, 2012).



**Dr Carlos G Arce**, Department of Ophthalmology, Paulista School of Medicine, Federal University of Sao Paulo, Brazil - "Early detection of keratoconus Premium IOL selection based on total corneal waveform" (January 17, 2013).



**Dr Richard L Abbott**, Professor of Clinical Ophthalmology, Co-Director, Cornea & Refractive Surgery Service, University of California San Francisco, CA, USA - "Clinical Pearls in the Management of Corneal Trauma" (January 18, 2013).



**Dr Paul Lichter**, Professor and Immediate Past Chair, Department of Ophthalmology and Visual Sciences, University of Michigan Kellogg Eye Centre, MI, USA; and Founding Director, W K Kellogg Eye Center - "Industry's Influence on Drug Research" (January 18, 2013).



**Dr Shigeru Kinoshita**, Professor and Director, Department of Ophthalmology, Kyoto Prefectural University of Medicine, Japan - "Therapeutic Strategy for Severe Corneal Diseases" (January 19, 2013).

**Dr KV Chalam**, Chairman and Tenured Professor, Department of Ophthalmology, University of Florida College of Medicine, Jacksonville, Fl, USA - "Noninvasive Live Histology" (Spectral Domain OCT) of Retina in Different Retinal Conditions" (January 21, 2013).



**Dr Geunyoung Yoon**, Associate Professor at the Institute of Optics, The Centre of Visual Science, and The Flaum Eye Institute of The University of Rochester, Rochester NY - "Optics of the eye and vision" (January 21, 2013).



**Dr Hemant Khanna**, Assistant Professor, Ophthalmology, University of Massachusetts Medical School, MA, USA - "Retinal ciliopathies: Mechanisms and treatment paradigms" (January 23, 2013).



**Prof Uday Kompella**, Professor, Department of Pharmaceutical Sciences, University of Colorado School of Pharmacy, CO, USA - "Nano science applications in drug delivery" (January 23, 2013).



**Dr Erich Sutter**, President & CEO, Electro-Diagnostic Imaging, Inc., CA, USA - "Multifocal Electrophysiology in Diagnosing and Managing Diseases Affecting Vision Development, Sample Data, Prospects for the Future" (January 25, 2013).



**Dr Lea Hyvärinen**, Hon Professor, Rehabilitation Sciences, University of Dortmund, Germany; Sr. Lecturer, Developmental Neuropsychology, University of Helsinki, Finland - "Assessment of vision in children with multiple disabilities" (January 28, 2013).



**Dr Davide Bottari**, Department of Biological Psychology and Neuropsychology University of Hamburg, Hamburg, Germany - "Sensory Deprivation and Brain Plasticity: The Cognitive Science Perspective" (February 13, 2013).

*T Lalthriattira, Eye Bank Technician trainee at the Ramayamma International Eye Bank from Aizwal, Mizoram.*

T Lalthriattira, or Tira in short, has a B Sc in Physics, and is an ophthalmic assistant at the eye bank in the Civil Hospital in Aizawl. He has been sent to LVPEI to be trained as an eye bank technician. Now two months into his training, he says, "With this kind of quality training, I will not be able to forget what I learned here at LVPEI even after 10 years!"

He is confident of applying the practical hands-on training right away: screening potential donors, retrieving the corneas from the deceased, processing and evaluating the corneas, distribution of suitable corneas to needy surgeons, and ensuring quality for the cornea meant for transplantation, besides taking care of laboratory and equipment maintenance, cleaning and sterilization of equipment, and proper documentation of the donor corneas.



families and motivating them to donate the eyes of the departed person. This forms part of the HCRP (Hospital Cornea Retrieval Program), a unique, first of its kind program started by LVPEI way back in 1990 that has been responsible for remarkably bringing down the number of patients waiting for corneal transplantation

Tira is grateful and proud of this exposure. He looks forward to coming back for the one week refresher training. He aspires to work for the people of Mizoram in particular, and India at large.

He also had the opportunity to work with eye donation counselors trained by LVPEI. The counselors spend time at multispecialty hospitals, approaching bereaved

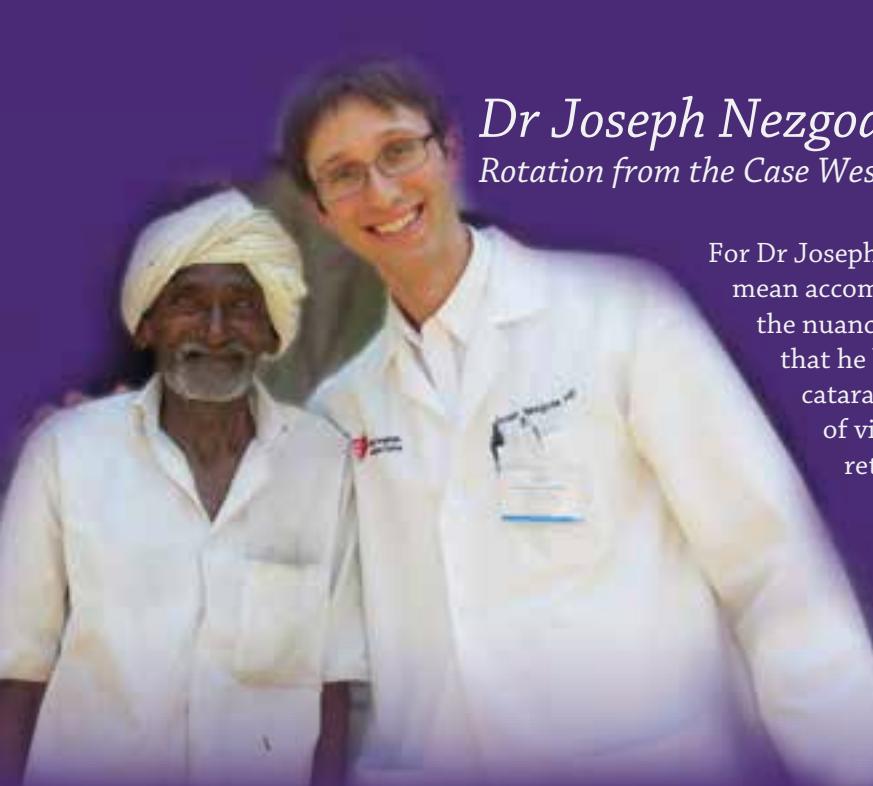
*Fatma Omar, MCEH trainee  
at ICARE from Pemba, Zanzibar Island, Republic of Tanzania.*

Fatma is a cataract surgeon with a postgraduate diploma in community eye health. She is married, has a son, and works with the Ministry of Health as a national eye care coordinator for the Zanzibar Islands and mid level eye care worker. But despite all her commitments and engagements, Fatma seized the opportunity to obtain a Masters' in Community Eye Health (MCEH) offered by the LVPEI/UNSW program.

At LVPEI, the impressive work environment and the sizeable exposure contributed immensely to her skills and knowledge. Thanks to the training, she has upgraded her capability in areas such as community assessment, planning, project management, epidemiology, biostatics and research. She is so enthused with the experience that she plans to continue with her studies and pursue a PhD.



**Dr Joseph Nezgoda, Short-term Fellow on Clinical Rotation from the Case Western Reserve University, Cleveland, Ohio, USA.**

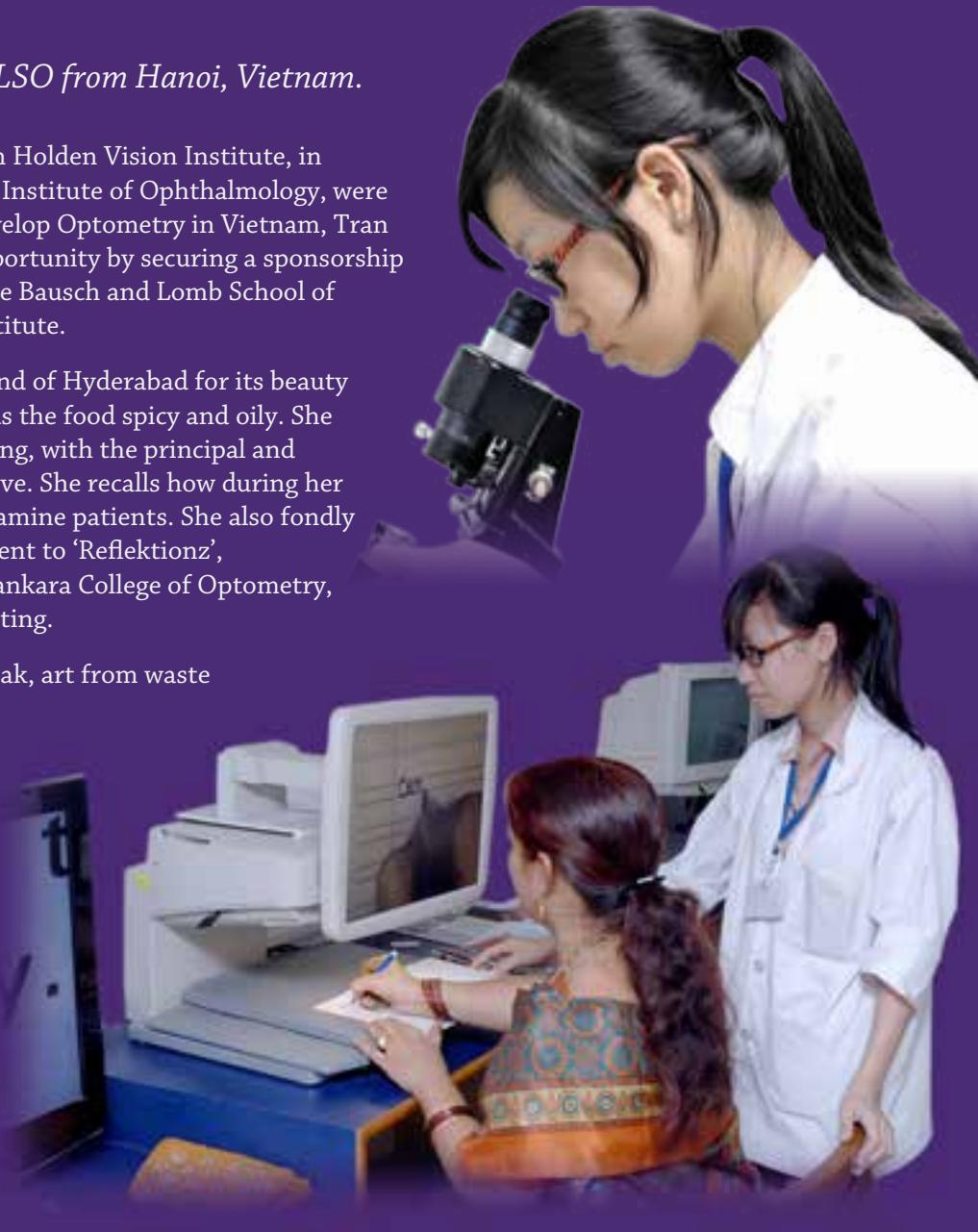


For Dr Joseph Nezgoda, completing his fellowship training would mean accomplishing two personal goals: being able to understand the nuances and perform Small Incision Cataract Surgery (SICS) that he believes is the most cost-effective treatment for cataract, and being able to pursue his main area of interest of vitreoretinal disease thanks to the exposure to the retina service at LVPEI.

He feels that the diversity and numbers of India's population provides a host of cases that can only further his education. He has seen many cases of Macular Telangiectasia (MacTel), VKH, Behcet's disease, FEVR, Retinoblastoma, among other rare conditions, and finds it exciting that LVPEI's research includes Idiopathic Juxtafoveal Macular Telangiectasia (MacTel), a blinding condition of the retina.

He also finds India vastly interesting with good food and people "as warm as the heat in Hyderabad". He is very happy to interact with other international fellows from countries such as Nigeria, and looks forward to working with the Shiley Eye Centre, University of California, San Diego, after he returns to the US.

**Miao, Optometry student at BLSO from Hanoi, Vietnam.**



When the Eye Care Foundation and Brien Holden Vision Institute, in collaboration with the Vietnam National Institute of Ophthalmology, were scouting for avenues to establish and develop Optometry in Vietnam, Tran Minh Anh, Miao for short, seized the opportunity by securing a sponsorship for a 4 year undergraduate program at the Bausch and Lomb School of Optometry (BLSO) at L V Prasad Eye Institute.

Now in her final year, Miao has grown fond of Hyderabad for its beauty and diversity of cultures, though she finds the food spicy and oily. She found her education at BLSO very inspiring, with the principal and faculty being always helpful and supportive. She recalls how during her internship, she could herself clinically examine patients. She also fondly recalls how she and her mates at BLSO went to 'Reflektionz', a two-day intercollegiate festival at the Sankara College of Optometry, Bangalore, that had 8-9 colleges participating.

Miao won awards in debate, pick-and-speak, art from waste and face painting categories. She even won a special prize for winning the highest number of prizes. She became noted on campus as the Vietnamese student studying Optometry in India and winning awards for BLSO, beating students from other institutes!

Miao hopes to become an Optometry practitioner with focus in Contact Lens and Pediatrics. She is also ambitious of becoming a good teacher to inspire the minds of aspiring Optometrists.

# Trainees traineed in 2012 - 2013

## Ophthalmology

### Hyderabad

#### Cornea & Anterior Segment

**Long Term Fellowships (National-24 months; International 15 months)**

Charuta Jayant Puranik, Solapur, Maharashtra  
Archana Singh, Kanpur, Uttar Pradesh

Magie Mathew, Pondicherry

Alok Sati, Yousuf Guda, Hyderabad

Anil Raj KS, Davangere, Karnataka

Rajat Jain, Shalimar Bagh, New Delhi

#### Short Term Fellowships (3 months)

Sonal Shah, Mumbai, Maharashtra

Chandana Sultana, Dhaka, Bangladesh

Vrinda Raikar, Chenbun, Mumbai

#### Observerships

Jatin Sachdeva, New Delhi

Abhay Subramanian, Mumbai

Jyotsna Parihar, Muskat, Oman

Jayesh Nissar, Mumbai

Sourabh Patwardhan, Bangalore, Karnataka

Gopal Prasad Gupta, Alwar, Rajasthan

Nitin Mittal, GMRV Campus

Naila Al-Harthi, Oman

### Glaucoma

#### Long Term Fellowships (National-24 months; International 15 months)

Paaraj Rajendra Dave, Baroda, Gujarat

JJ Praveen, Kurnool, Andhra Pradesh

#### Short Term Fellowships(3 months)

Nandini Vyas, Rajkot, Gujarat

Kajal Patel, Rajkot, Gujarat

Sudhir Tambile, Pune, Maharashtra

Awoyesoku Elizabeth, Rivers State, Nigeria

Ajite Kayode, State University Teaching Hospital, Nigeria

#### Observerships

Mohd Himam, Hyderabad, Andhra Pradesh

K Gopal, Hyderabad, Andhra Pradesh

Pronob Kolita, Kolkata

Prakash Kumar Chudhury, Bangladesh

### Retina and Vitreous

#### Long Term Fellowships (National-24 months; International 15 months)

Jyotsna Myneni, Hyderabad, Andhra Pradesh

Mudit Tyagi, Meerut, Uttar Pradesh

Manish Kumar Sinha, Aurangabad, Bihar

Kshitiz Kumar, Old Rajendra Nagar, Delhi

Sanjoy Kumer Das, Dhaka, Bangladesh

Olubayo U. Kolawole, Osogbo, Nigeria

#### Short Term Fellowships (3 months)

Manoharan Shunmugham, Malaysia

A Srihari, Hyderabad, Andhra Pradesh

Ankur Agarwal, Jabalpur, Madhya Pradesh

#### Observerships

Hussein Ali, Iraq

Meha Kantha, New Delhi

### Pediatric Ophthalmology

#### Long Term Fellowships (National-24 months; International 15 months)

Sumit Monga, New Delhi

Bhamy Hariprasad Shenoy, Bantwal, Karnataka

#### Short Term Fellowships (3 months)

Ruchi Sethiya, Gwalior, Madhya Pradesh

Madhu Uddaraju, Bhimavaram, Andhra Pradesh

#### Observerships

Samphana Yogi, Kathmandu, Nepal

Saroj Derkola, Kathmandu, Nepal

Soumya Nambiar, Kannur, Kerala

Carmen Chan, Hong Kong

Saraswati Shrestha, Tilganga Eye Inst, Nepal

Ramita Maharjan, Tilganga Eye Inst, Nepal

#### Oculoplasty

#### Long Term Fellowships (National-24 months; International 15 months)

Fairooz PM, Cannanore, Kerala

Kruti Mody, Mumbai, Maharashtra

Bashar Jaber, Jerusalem, Israel

#### Short Term Fellowships (3 months)

Preeti Somavarapu, Guntur, Andhra Pradesh

Sulyman Zubair, Abuja, Nigeria

Joseph Wachira, Nairobi, Kenya

#### Observerships

C Aparna Reddy, Warangal, Andhra Pradesh

Chinmayee Sukhavasi, Hyderabad, Andhra Pradesh

Raghv Raj Hegde, Bangalore, Karnataka

Manisha Madhab Choudhary, Siliguri, West Bengal

Shivani Bidaye, Dharampeth, Nagpur

Neha Mithal, Meerut, Uttar Pradesh

#### Comprehensive Ophthalmology

#### Long Term Fellowships (National-24 months; International 15 months)

Shaista Parveen, Hyderabad, Andhra Pradesh

Kantumuchu Madhavi Latha, Visakhapatnam, Andhra Pradesh

Kadam Trupti Suresh, Nagpur, Maharashtra

Anthony Vipin Das, Tarnaka, Hyderabad

#### Observerships

Kavita Gupta, Bhopal, Madhya Pradesh

Neetika Bansal, Karnal, Haryana

Surendra Reddy, Chennai

#### DNB

#### Primary (36 months)

Neha Bharti, Delhi

Ratnesh Sharma, Bharatpur, Rajasthan

Priyanka Gogate, Kachiguda, Hyderabad

Maneck D Nicholson, Mumbai, Maharashtra

#### Secondary (24 months)

Siddharth Dikshit, Bokaro, Jharkhand

Devaprasad G, Karnataka

Shail Vasavada, Ratnagari, Maharashtra

Riddhima Deshpande, Bhopal, M.P

#### Retinopathy of Prematurity

Jayshree Pradhan, Bhilai, Chhattisgarh

Pratap Karki, Biratnagar, Nepal

Prachi Ambardekar, Mumbai, Maharashtra

Shivanand Sheth, Mumbai, Maharashtra

Nuzhat Choudhury, Dhaka, Bangladesh

D Venkat Swamy, Warangal, Andhra Pradesh

B Karunakar, Hyderabad, Andhra Pradesh

#### Retina Laser Program

Gunay Aliyeva, Baku, Azerbaijan

C Madhavan, Madras

Sudhanshu Vaishali, Bihar

Asamere Tssegaw Woredekal, Gondar, Ethiopia

Ajay Kumar Gupta, Jamshedpur, Jharkhand

Swapna C, Adarshnagar, Andhra Pradesh

Prashant Aroskar, Mumbai, Maharashtra

#### Phacoemulsification Training

Shabnam Singh, Vellore

Ajay Shankar Kar, Hyderabad, Andhra Pradesh

Madhu Uddaraju, West Godavari, Andhra Pradesh

Kashinath Choudhary, Aurangabad, Maharashtra

Manoj Kumar Yadav, Udhampur, Jammu & Kashmir

A Bhagwati, Assam

Sye Zia Ullah, Hyderabad, Andhra Pradesh

Basheer Ahmed Shaik, Hyderabad, Andhra Pradesh

B Karunakar, Hyderabad, Andhra Pradesh

KG Choudhry, Aurangabad

Manoj Kumar Yadav, Udhampur, Jammu & Kashmir

#### SICS Training

Murlidhar, Hyderabad, Andhra Pradesh

Deepti Mehta, Hyderabad, Andhra Pradesh

Sneha Dikshit, Bokaro, Jharkhand

Jyoti Puri, Hyderabad, Andhra Pradesh

Viral Juthani, Cleveland, USA

#### ZEISS Training Program

Sindhu Bhimavarapu, Guntur, Andhra Pradesh

Kavitha Yandra, Guntur, Andhra Pradesh

G Vijayalakshmi, Guntur, Andhra Pradesh

Aparna Dwivedy, Cuttack, Odisha

Tirthajit Maitra, Patna, Bihar

S Soni, Odisha

Deepti Prabha Ekka, Odisha

Palla Swetha, Visakhapatnam

S Sarita, Visakhapatnam

D Aparna Shaffer, Ongole

Revathy Yerramneni, Visakhapatnam, Andhra Pradesh

Diksha Prakash, Varanasi, Uttar Pradesh

Manju Singh, Bijnor, Uttar Pradesh

Nandini C, Kolar, Karnataka

Ishan Yadav, Varanasi, Uttar Pradesh

Vipul Kant Keshari, Chandauli, Uttar Pradesh

Surya Joseph, Ernakulam, Kerala

Asra ambreen, Gulbarga, Karnataka

Isha Gulati, Bangalore, Karnataka

Rakesh kumar, Bokaro, Jharkhand

K Gayatri, Padmanabha Nagar, Chennai

Kaustubh Thakur

Ratna Chennamaneni, Karimnagar, Andhra Pradesh

Swarnima Basu, Visakhapatnam, Andhra Pradesh

Rahul Surthi, Bhairuch, Gujarat

Pallavi Patil, Pune, Maharashtra

B Satya Prasad, Hyderabad, Andhra Pradesh

Johnseena Abraham, Kullam, Kerala

Binita Verma, Ranchi, Jharkhand

Vaishali Khanna, New Delhi

Shreshth Shanker, Kishanganj, Bihar

Srinivas Karampuri, Karimnagar, Andhra Pradesh

Haemoglobin, Bhubaneswar, Odisha

Banaja Singh, Cuttack, Odisha

Pradeep Nandi, Cuttack, Odisha

Sigrid Bregman, The Hague, Netherlands

Vijay P Kinikar, Mumbai, Maharashtra

Anant Shenker, Bihar

Asmita Ray, Siluhar, Assam

Smrita Sandhu, Kolkata

Ike Schouten, Netherlands

Rajvin Ponraj, Coimbatore

Sanjay Chanda, Guwahati

Jagjit Singh, Guwahati

Ranjita Borkotoky, Guwahati

Pavani Kurra, Hyderabad, Andhra Pradesh

#### Advanced Diagnostics

Neelam Atri, New Delhi

Shivanand Seth, Nagpur, Maharashtra  
Sandip Tiwari, Bilaspur, Chhattisgarh

#### Clinical Rotations

Priya Gupta, New York, USA  
Sarah Jampel, Maryland, USA  
Millicent Bore, Eldoret, Kenya  
Kareko Katherine, Eldoret, Kenya  
Kahaki Kimani, Nairobi, Kenya  
Michael Geary, New York, USA  
Karen Michelle Rudo, Case Western, USA  
Seth Pantanelli, University of Rochester, USA  
Reena Vasawani, Uni of Case Western, USA  
Palma Victoria Camille, Uni of Case Western, USA  
Sigrid Bregman, The Hague - Netherlands

#### Bhubaneswar

**Cornea & Anterior Segment**  
**Short Term Fellowships(3 months)**  
Natasha Kajmina, Bangladesh

#### Retina and Vitreous

**Long Term Fellowships (National-24 months; International 15 months)**  
Dr Munkhzaya Tsengerbayar  
Ulan Bator, Mongolia

#### Short Term Fellowships (3 months)

Shriprakash, Bihar  
Karamjit Singh, Punjab  
Pushpalata, Haryana  
Nuzhat Choudhury, Bangladesh  
V P Sindhanai, Andhra Pradesh

#### Comprehensive Ophthalmology

**Long Term Fellowships (National-24 months; International 15 months)**  
Sushant Chatterjee, West Bengal  
Sameera Nayak, Bhubaneswar  
Vivek Warkad  
Samir Mohapatra, Bhubaneswar, Orissa

#### Phacoemulsification Training

Nyamori Maina Joseph, Nairobi, Kenya  
Mita Mishra, Odisha  
Shayana Lamin, Meghalaya

#### SICS Training

Asha Negi, Himachal Pradesh  
Harender Prasad Singh, Bihar  
Ram Milan, Allahabad, UP

#### Observerships (Microbiology)

Lucy Dash (6 months), Orissa  
Purabi Baral (1 week), Pune

**Cornea & Anterior Segment**  
**Short Term Fellowships (3 months)**  
Ashutosh, Dhanbad, Jharkhand

#### Visakhapatnam

**Comprehensive Ophthalmology**  
**Long Term Fellowships (National-24 months; International 15 months)**  
Jay Goyal, Mumbai, Maharashtra  
N Phaneendra Reddy, Andhra Pradesh

#### Phacoemulsification Training

Ahmad Ali, Lalitpur, Uttar Pradesh  
Suda Srikumar, Hyderabad, Andhra Pradesh  
Puppala sai Perumalla Ravindra, Visakhapatnam, Andhra Pradesh  
Surjani Lyls, University of Sumatera Utara, Medan, Indonesia

#### SICS Training

Rajkumar Stephen Lucas, Belgium

#### Vision Technician Rotation

Rachawar Bhagyashree, Adilabad, Andhra Pradesh  
Karipe Sai Kiran, Adilabad, Andhra Pradesh  
Malkan G Kumar, Adilabad, Andhra Pradesh

## Optometry

### Hyderabad

#### BSC in Optometry

Duguntla Ravi Kumar, Nalgonda, Andhra Pradesh  
Jennifer Jayaraj, Daleya, Kuwait  
Anaparthi Anusha, Hyderabad, Andhra Pradesh  
Sunaina Mary Alex, Tumkur, Karnataka  
Medam Manjusha, Kurnool, Andhra Pradesh  
Nagamodi Jayalaxmi, Kamareddy, Andhra Pradesh  
Shaik Mahammed Irfan, Kurnool, Andhra Pradesh  
Avula Giridhar, Hyderabad, Andhra Pradesh  
Mohammed Salman Uddin, Hyderabad, Andhra Pradesh  
Syed Waheeduddin, Hyderabad, Andhra Pradesh  
Sai Sathya Nandyala, Hyderabad, Andhra Pradesh  
Viqar Unnisa Begum, Hyderabad, Andhra Pradesh  
Pottipocharla Sravani, Hyderabad, Andhra Pradesh  
M M Menaka S M, Bulathkohupitiya, Sri Lanka  
Y Vidya P J, Bulathkohupitiya, Sri Lanka  
Kalmuri Shankar, Mahaboob Nagar, Andhra Pradesh  
Geedla Bichappa, Hyderabad, Andhra Pradesh  
Nilgiri Vinay Kumar, Hyderabad, Andhra Pradesh  
Peguda Rajini, Hyderabad, Andhra Pradesh  
Pullaiah Gudimi, Kadapa, Andhra Pradesh  
G Utham, Adilabad, Andhra Pradesh  
Bandela Praveen Kumar, Nalgonda, Andhra Pradesh  
D Gouthami, Hyderabad, Andhra Pradesh  
Ushasree Beniya, Guntur, Andhra Pradesh

#### Internship in Optometry

Nending Pampi, Arunachal Pradesh  
Arti Sharma Nepal, East Sikkim, Gangtok  
Pallerla Madhurima Reddy, Hyderabad, Andhra Pradesh  
Nithya S R, Calicut, Kerala  
Passang Doma Bhutia, East Sikkim, Gangtok  
Preethi Naik, Udupi, Karnataka  
Radhika, Udupi, Karnataka

### Bhubaneswar

#### Internship in Optometry

Dhirendra Kumar Sah, Nepal  
Sanjay Kumar Shah, Nepal  
Abhishek Singh, Bihar  
Swet Kiran, Jharkhand  
Navin Kumar, Jharkhand  
Himansu Kumar, Bihar

#### Fellowship in Low Vision (3 Months)

Nutan V Shinde, Ghatkopar, Mumbai  
K Chandra Sekhar, Prakasam, Andhra Pradesh  
Paras Shah, Ahmedabad, Gujarat

#### Fellowship in Ocularistry (24 Months)

Shaik Saleem, Observership in Low Vision

M Samantha, Khammam, Andhra Pradesh  
Sussane T Tuebingen, Germany

#### Observership

Neetu Soni, Mumbai  
S Akshay, Hyderabad, Andhra Pradesh  
B Abhinav, Hyderabad, Andhra Pradesh  
Anirudha S Bhat, Hyderabad, Andhra Pradesh  
R Mani Sravani, Hyderabad, Andhra Pradesh  
D V Gayatri, Hyderabad, Andhra Pradesh  
J Mounica, Hyderabad, Andhra Pradesh  
Apoorva Masunuri, Hyderabad, Andhra Pradesh  
Aditi Nangia, Hyderabad, Andhra Pradesh  
Mohammad Shahinoor Rahman, Bangladesh  
Saraswati Shrestha, Nepal  
Ramita Maharjan, Nepal

#### Student Placements/ Preceptorship

Radhika Patel, England, UK  
Bhavna Rambhai, England, UK  
Harpreet Sheergill, West Midlands, UK  
Chandni Thakkar, Leicester, UK  
Nishma Shah, Aston University, Birmingham, UK  
Iain Shepherd, Aston University, Birmingham, UK  
Jaavvi Vadher, Aston University, Birmingham, UK  
Natasha Gilani, Aston University, Birmingham, UK  
Marlene E Long, Nairobi, Kenya

## Other Training Programs

#### Ophthalmic Nurses

A Aparna, Hyderabad, Andhra Pradesh  
Bhagyamma, Hyderabad, Andhra Pradesh  
Ramadevi, Hyderabad, Andhra Pradesh  
Rose mary, Hyderabad, Andhra Pradesh  
Swapna, Hyderabad, Andhra Pradesh  
Lavanya.B, Hyderabad, Andhra Pradesh  
A Madhur, Hyderabad, Andhra Pradesh  
K Suneetha, Hyderabad, Andhra Pradesh

Preethi Chhanda Das, Hyderabad, Andhra Pradesh

Syamali Routara, Hyderabad, Andhra Pradesh  
Manini Das, Hyderabad, Andhra Pradesh  
Ganga Bhavani, Hyderabad, Andhra Pradesh

#### Support Staff

Narendra Patel, Hyderabad, Andhra Pradesh  
Sandeep B, Hyderabad, Andhra Pradesh  
G Phani Hanu Ram, Hyderabad, Andhra Pradesh

Bapdan Kalita, Assam

Kubalem Haile, Ethiopia  
Anela Sahle, Ethiopia  
Pasupuleti Umashankar, Nellore, Andhra Pradesh

## Eye Bank Trainees from April 1, 2012 to March 31, 2013

### Eye Bank Technicians

**Duration:** Three Months

Ms Karuna Yadav

*Mahatme Eye Bank, Nagpur*

Mr Mahendra Kumar Yadav

*Eye Bank Society of Rajasthan, Jaipur, Rajasthan*

Mr Chandrakant Ashokrao Patil

*Bharati Vidyapeeth Deemed University Medical College and Hospital, Sangli, Maharashtra*

Mr Ajeet Peter

*Dr Shroff's Charity Eye Hospital, New Delhi*

Mr Narendra Bhutani

*Dr Shroff's Charity Eye Hospital, New Delhi*

Mr Pascal Lumwachi Musoka

*Lion Dr. Kanubhai Babla Eye Bank, Nairobi*

Mr A V Ramakrishna

*Mohsin Eye Bank, Visakhapatnam, AP*

Dr Rai ChandraShekhar Singh

*Indian Medical Association Eye Bank, Varanasi, UP*

Mr Ishwar Singh

*Eye Bank Society of Rajasthan, Jaipur, Rajasthan*

Mr Bijay Bal

*Drushti daan Eye Bank, Bhubaneshwar, Odisha*

Mr V Kamal Kumar

*C U Shah Eye Bank, Sankara Nethralaya, Bangalore*

Mr Paidi Venugopal

*RIEB, LVPEI, Hyderabad*

Mr J Balarju

*RIEB, LVPEI, Hyderabad*

Mr S Kiran Mohan chary

*RIEB, LVPEI, Hyderabad*

### Eye Donation Counsellors

**Duration:** 1 week

Mr Deepak,

*Dr. Shroff's Charity Eye Hospital, New Delhi*

Mr Suresh,

*Dr. Shroff's Charity Eye Hospital, New Delhi*

Mr B Madhusudana Reddy

*Dr. Y. V. Lakshmi Devi Eye Bank, Proddutur, Kadapa Dist. AP*

Mr D Saravanan, Aravind Eye Hospital, Madurai.

Ms Pinky, SightLife India, New Delhi

Ms. Pooja, SightLife India, New Delhi

Ms. Grace Saihupuii Sailo,

*Mizoram Eye Bank, Mizoram*

Mr. Melkamu Adinew Miso

*Eye Bank of Ethiopia, Ababa, Ethiopia*

Ms K Glory, Mohsin Eye Bank, Visakhapatnam

Mr. K. Saravanan

*Rotary Aravind International Eye Bank, Madurai*

Mr M Ponangan,

*Rotary Aravind International Eye Bank, Madurai*

Mr. Satyabrata Rout

*Drushti daan Eye Bank, Bhubaneshwar, Odisha*

Ms. Jyotsna Rani Behera

*Drushti daan Eye Bank, Bhubaneshwar, Odisha*

Sis. Birknesh Garoma Ararso,

*Eye Bank of Ethiopia, Ababa, Ethiopia*

Mr. Shankar Gurjar,

*Eye Bank Society of Rajasthan, Jaipur, Rajasthan*

Mr. Sankula Chandra Sekhar,

*District Blindness Control Society, Vijayawada, Krishna District.*

Mr. V. Dinesh Kumar

*RIEB, LVPEI, Hyderabad*

Mr. M. Naga Prasad

*RIEB, LVPEI, Hyderabad*

Mr. P. Praveen,

*RIEB, LVPEI, Hyderabad*

Ms. Geethanjali V. S

*Eye Bank Association of Kerala, Little Flower Hospital, Angamaly, Kerala*

Ms. Mereena Jacob

*Eye Bank Association of Kerala, Little Flower Hospital, Angamaly, Kerala*

### Eye Bank Observers/ Managers

**Duration:** 1 week

Dr. Tarannum Shakeel

*SGRRIMHS, Dehradun, Uttarakhand*

Mr. Vithal Appanna Chavan

*Nandadeep Eye Bank, Sangli, Maharashtra*

Mr. A. Velu

*SRM Medical College Hospital and Research Centre, Chennai*

Dr Ranjana Pandeya,

*Bokaro General Hospital, Jharkhand*

## ICARE

### Diploma in Community Eye Health (1 year)

Gaurav Kumar Saxena, Moradabad, Uttar Pradesh  
Ananta Kalita, Jorhat, Assam  
Raghunandhan, Nizamabad, Andhra Pradesh  
Ramesh, Medak, Andhra Pradesh  
Mahendra Chary, Medak, Andhra Pradesh

### Diploma in Community Eye Health (1 year)

Swarna Prava Samal, Bhubaneswar, Orissa  
Kirtee Mayee Roul, Bhubaneswar, Orissa  
Shaik Shaheda, Guntur, Andhra Pradesh  
Chaitanya Voleti, Guntur, Andhra Pradesh  
Janeela Surampalli, Khammam, Andhra Pradesh  
Ramesh Daggumati, Prakasam, Andhra Pradesh  
Siva Krishna K, West Godavari, Andhra Pradesh  
Ramesh V, Adilabad, Andhra Pradesh  
Sandeep Rao Dayal, Adilabad, Andhra Pradesh  
Ram Babu M, Hyderabad, Andhra Pradesh  
Raju D, Hyderabad, Andhra Pradesh  
Venkat Rao A, Hyderabad, Andhra Pradesh

### Eye Care Program Management

Norina Gofar Abdul, Kuala Lumpur, Malaysia  
Rama Krishna Marlapati

*Hyderabad, Andhra Pradesh*

ChenJen Wu, Yunlin, Taiwan

Narsimha Chary Veeravelli, Hyderabad, AP

Fatma Juma Omar, Zanzibar, Tanzania

Anna Lyn Morse, Darwin, Australia

Yu-Hsiang Chen, Taichung, Taiwan

Bjarne Lolk Lohmann Madsen, Oslo, Norway

Azuwan Musa, Kauntang Pahang, Malaysia

Hirdeshavan Nair, Sydney, Australia

### Master's in Community Eye Health (1 year)

Azuwan Bin MusaTerengganu, Malaysia  
Fatma OmarZanzibar, Tanzania  
Ramakrishna, A P Right to Sight Society  
Narasimha Chary, A P Right to Sight Society

### Community Eye Health and Community Based Rehabilitation (3 Months)

Narasimhulu Jeripti, Madanapally, Andhra Pradesh

### Community Eye Health and Community Based Rehabilitation (6 Months)

Nageswara Babu Alluri, Kapileswarapuram,  
Andhra Pradesh

Chinnabai Ankula, Kapileswarapuram,

*Andhra Pradesh*

### Internship in Public Health

Amogh Koranmath, Pune, Maharashtra  
Rajashekhar Marchety, Hyderabad, Andhra Pradesh  
Jhansi Dosapati, Hyderabad, Andhra Pradesh  
Subba Rayudu M, Hyderabad, Andhra Pradesh  
Ramanjaneya Reddy D, Hyderabad, Andhra Pradesh  
Sarah Jampel, Yale University, USA  
Kamran Taqdis, RAK Hospital UAE  
Beverly Cope, Massachusetts Institute of Technology, Cambridge

### Certificate Course in Program Management and Evaluation (2 weeks)

Dr Syed Samiul Hassan,

*Operation Eyesight Universal, Hyderabad*

Mr. Mohammed Liyakhath Ali,

*Operation Eyesight Universal, Hyderabad*

Ms. Korani Jyothi, Hyderabad, Andhra Pradesh

Mr Mohammed Chand Pasha, Hyderabad,  
Andhra Pradesh

Mr. Sesha Sai Srinivasa Rao Baratam,  
Arogavaram Eye Hospital, Sompeta, Srikakulam, AP

Mr. Gaurav Kumar Garg,

*Operation Eyesight Universal, New Delhi*

Ms Anuradha Mogilcharla, Warangal,  
Andhra Pradesh

Mr. Santosh Kumar Nooka, Warangal,  
Andhra Pradesh

Ms. Srilatha Gunda, Warangal, Andhra Pradesh

Mr. Prakash Elangovan, Coimbatore, Tamil Nadu

Mr. Varun Negi, Kullu, Himachal Pradesh

Mr. Robin Son, Bidar, Karnataka

Mr. Robin Chamuah, Jorhat, Assam

# Central Audio-Visual Unit

## Highlights

- Live surgery relay to the Hyderabad International Convention Centre from the L V Prasad Eye Institute during conferences commemorating 25 years of LVPEI.
- EURETINA Milan, 2012 International Award for a video produced by L V Prasad Eye Institute was won by Dr

Mudit Tyagi, Dr Rajeev R Pappuru, Dr Vivek Dave and Dr Divya Balakrishnan.

National Awards for videos produced by L V Prasad Eye Institute were won by 3 groups:

Dr Paaraj Dave and Dr Sirisha Senthil; Dr Bhamy Hariprasad Shenoy and Ramesh Kekunnaya; Dr Aditi Pujari and Dr Mohammad Javed Ali

## Video Awards

- Inverted Internal Limiting Membrane (ILM) Flap technique for large macular holes

Third prize at the 12<sup>th</sup> European Society of Retina Specialists (EURETINA), 2012 Video Competition, 6-9 September 2012, Milan, Italy.

**Author:** Dr Mudit Tyagi  
**Co-authors:** Dr Rajeev R Pappuru, Dr Vivek Dave, Dr Divya Balakrishnan

The award was presented to Dr Mudit Tyagi by Dr Gisbert Richard, President, EURETINA.

• Tube Extender for Retracted Tube in a Child with Aniridia First Prize in Video Category, 22<sup>nd</sup> Annual Meeting of Glaucoma Society of India – Glaucons 2012, Coimbatore, Tamil Nadu, India, 5-7 October 2012.

**Authors:** Dr Paaraj Dave, Dr Sirisha Senthil

- Management of Challenging Paediatric Cataracts: Pearls and Pitfalls

Best Video at APOC 2012, 36<sup>th</sup> Andhra Pradesh Ophthalmological Society (APOS) meeting at Guntur, October 12-14, 2012

Swarup Competitive Video Session, Swarup Medal

**Presenting Author:** Dr Bhamy

Hariprasad Shenoy

**Authors:** Dr Ramesh Kekunnaya, Dr Bhamy Hariprasad Shenoy,

Dr Amit Gupta, Dr Pravin Krishna Vaddavalli

- Dacryology: Thinking beyond Dacryocystorhinostomy

Best Video Prize at 23<sup>rd</sup> Annual Conference of Oculoplasty Association of India (OPAI) ‘Balle OPAI 2012’, Amritsar, 26-28 October 2012

**Authors:** Dr Aditi Pujari, Dr Mohammad Javed Ali

## Translation and voice over recordings

Some regional language versions were done for an animation video film on cholera produced by the website Global Health Media Project. Completed in Hindi, Bengali and Telugu: <[www.globalhealthmedia.org/story-of-cholera/videos/](http://www.globalhealthmedia.org/story-of-cholera/videos/)>

A total of 100 videos were produced for the period April 2012 – March 2013 and the highlights are listed here:

- Dacryology: Thinking beyond Dacryocystorhinostomy  
**Authors:** Dr Aditi Pujari, Dr Mohammad Javed Ali, Dr Milind N Naik, Dr Santosh G Honavar

- Re-implantation of Ahmed Glaucoma Valve™ (AGV™) in a case of AGV™ Extrusion  
**Authors:** Avik Kumar Roy, Sirisha Senthil, Paaraj Dave, Chandra Shekhar Garudadri

- Doctor, Why can't my child see? Evaluation of the visually inattentive child  
**Authors:** Dr Sumit Monga, Dr Ramesh Kekunnaya, Dr Amit Gupta, Dr Subhadra Jalali

- LVPEI Runs Deep: A documentary  
**Authors:** Dr Pravin Krishna Vaddavalli, Dr Gullapalli N Rao

- Chorioretinal Biopsy Made Easy

**Author:** Dr Deepa Muthugaduru Jagadish, Dr Jay Chhablani

- Pull it together: Modified loop myopexy technique for high myopic strabismus fixus  
**Author:** Dr Gangaprasad M Amula

- Resolution of bilateral chronic hypotonus maculopathy following fortuitous management of bleb leak with autologous and heterologous donor tissue  
**Author:** Dr Vanita Pathak-Ray

- Eyelid Sparing Orbital Exenteration  
**Author:** Dr Aditi Pujari

- Retinoblastoma – They live & see (*Edited by Gangadhar Jallu*)  
**Authors:** Dr Fairooz P Manjandavida and Dr Santosh Honavar

- Prof Amod Gupta: A Tribute A video film on the Eye-PEP Icon 2012, Postgraduate Education Program in Ophthalmology, September 30 October 7, 2012  
**Author:** Dr Jayesh Vazirani, Dr Swapnil Bhalekar, Dr Virender Sangwan

- Have you been NISE today  
**Author:** Dr Anupam Bagdi  
**Co-Authors:** Mohan Kumar Bhogisetti, Dr Pravin Krishna Vaddavalli

- Limbal Stem Cell Transplantation: Surgical Techniques  
**Author:** Dr Virender S Sangwan

- Subhyaloid hemorrhage: A misnomer  
**Authors:** Dr Raja Narayanan, Dr Riddhima Deshpande, Dr Anuj Soni, Dr Sameera Nayak, Dr Odarosa Uhumwangho

- Air Descemetopexy: A Simple and Effective Technique in Managing Descemet's Membrane Detachment After Cataract Surgery  
**Authors:** Dr Shiji Ummar, Dr Sunita Chaurasia, Dr Muralidhar Ramappa

- Processing Donor Sclera in the Eye Bank  
**Author:** Dr Sirisha Senthil, Dr Kumar Ravi

- Vision Health Guardians  
**Author:** Jachin D Williams

- Assistive Technology – A Boon for the Visually Impaired  
**Author:** Hemalatha Arunachalam, Beula Christy

- The L V Prasad Eye Institute Glaucoma Epidemiology And Molecular Genetics Study: The Methodology  
**Author:** Dr Garudadri Chandra Sekhar, Ganesh Jonnadula and Uday K Addepalli

## 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 & Sreekanth Ravi Stem Cell Biology Laboratory
- Jhaveri Microbiology Centre & Saroja A Rao Immunology Laboratory
- Biochemistry Laboratory
- Ophthalmic Pathology Laboratory
- Clinical Research
- Visual Optics and Psychophysics Laboratory

Hyderabad Eye Research Foundation (HERF) is the research arm of L V Prasad Eye Institute and a not-for-profit trust, recognized by the Department of Scientific and Industrial Research (DSIR) of the Government of India as a Scientific and Industrial Research Organization (SIRO). This allows it to compete for and obtain research grants from various Indian, as well as international, research agencies. Research at HERF encompasses a variety of themes, namely basic, translational, and clinical. Research in genomics and functional biology has played a pivotal role in identifying & characterizing various genes involved in inherited and complex eye diseases. In addition, it is engaged in research in the area of visual neurosciences, instrumentation, public health research with focus on epidemiology (clinical and molecular) and health economics, and research on low vision devices and rehabilitation skills. Work is also actively being conducted on the microbiology of eye infections, and in the area of ophthalmic pathology. In the area of translational biology, particular mention must be made of the use of stem cell technology to treat certain eye disorders, an area in which LVPEI has taken remarkable leadership.



## Developments During the Year

There have been some new developments this year. One of them has to do with the cross-modal sensitization of children who are born blind, both during their period of blindness and after they have been helped to recover their vision (particularly in the case of children with congenital cataract). This element of the plasticity of the brain and the visual system is of immense interest, given the fact that a large number of children in India are congenitally blind and could be offered some level of vision restoration. We have also continued to work in the area of the development of vision in infants – eye movements, coordination and binocular vision. Apart from Dr Shrikant Bharadwaj, we have also added two more researchers, namely, Dr Premnandhini Satgunam, and Mr Ashutosh Richhariya, with particular interest in the electrophysiology of the growing child's visual system, biomedical engineering and ophthalmic instruments and adaptive optics, respectively. The Department of Biotechnology, India, has helped us in some dream projects in genetic epidemiology of eye diseases, gene therapy work, and stem cell therapy in chosen areas of retinal blindness.

## Support and Recognition

HERF has been receiving competitive grants from the Department of Biotechnology (DBT), Department of Science and Technology (DST), Council of Scientific & Industrial Research (CSIR), and the Indian Council of Medical Research (ICMR) – all from India, and from the Wellcome Trust of UK, Champalimaud Foundation of Portugal, International Atomic Energy Agency (IAEA) of Austria, as well as the National Eye Institute (NEI, National Institutes of Health), USA.

Collaborative research is also in progress with colleagues in Australia, Canada, Japan, Brazil and Tunisia through the DBT-sponsored bilateral Indo-Australian and Indo-Canadian programs and the DST-sponsored Indo-Japan, Indo-Tunisian and Indo-Brazilian programs. In addition, HERF is one of the four pillars of the multinational research and development group called Vision Cooperative Research Centre (operating from Sydney, Australia), and conducts research on its behalf on a series of clinical studies, such as antibacterial contact lenses and corneal onlays. Most recently, LVPEI has teamed up with Abbott Medical Optics, Netherlands, on a joint project to understand how well the peripheral retina can support vision in patients with age-related macular degeneration (AMD).

The Institute is recognized as an external research centre by the University of Hyderabad, Hyderabad; Birla Institute of Technology & Science (BITS), Pilani; and the University of New South Wales, Sydney, Australia. This enables research scholars from LVPEI to register with and obtain their PhD degrees from these universities. Collaborative research has also been forged with colleagues at the Centre for Cellular & Molecular Biology (CCMB), Centre for DNA Fingerprinting & Diagnostics (CDFD), Indian Institute of Technology (IIT) Hyderabad and the University of Hyderabad – all in Hyderabad, and the Indian Institute of Science, Bengaluru, and the National Institute of Biomedical Genomics, Kalyani, West Bengal. These have allowed researchers at LVPEI to access state-of-the-art equipment and sophisticated facilities at these institutions.

## Clinical Research

LVPEI's multidisciplinary clinical research is of international standards and is sponsored by Indian funding agencies and multinational companies from USA and France. The group conducts not only intramural clinical research, but also participates in multicenter clinical trials. Each clinical research project and trial goes through a rigorous examination by an independent Institutional Review Board (IRB), for its scientific and ethical aspects and only those that are approved are taken up. A list of clinical research projects currently being conducted at HERF is given later in the section.

## 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 of translational research, through the establishment of the Champalimaud Translational Centre for Eye Research or C-TRACER.

Research at C-TRACER focuses on the following areas:

- Advanced molecular and functional genomics;
- Research and therapy through the utilisation of stem cells in vision-related illnesses;

- Translational research utilising existing and novel clinical methodologies for furthering the knowledge of vision in ways that can be readily applied to patients;
- Exchange programs involving scientists chosen by LVPEI and the Champalimaud Foundation;
- Introduction of capacity building programs for developing Lusophone countries such as Mozambique, Angola, Timor and others; and
- The organization of the Antonio Champalimaud Symposium on January 30<sup>th</sup> of every year in which leaders in ophthalmology from across the world, as well as distinguished scientists from India, are invited to lecture.

## The Sixth Annual Champalimaud Research Symposium

The sixth Annual Champalimaud Research Symposium was held on 30<sup>th</sup> January 2013. The keynote oration, denoted as the Champalimaud Lecture, was given by Professor David Williams of the University of Rochester, Rochester, NY, USA, who spoke on functional imaging of single cells in the living eye. In addition, we had lectures by Professor Brigitte Roeder of the University of Hamburg, Germany (functional recovery after cataract surgery shows age-dependent neural plasticity in humans), Dr. Chetan Chitnis of the International Centre for Genetic Engineering & Biotechnology, New Delhi (understanding host cell invasion by malaria parasites: from basic biology to vaccine development), Dr. Imran Siddiqi of the Centre for Cellular & Molecular Biology, Hyderabad (engineering clonal seeds in plants), Professor Jose Gomes and Denise de Freitas, both of Universidade Federal de Sao Paulo (UNIFESP), Brazil (on cell therapy for corneal diseases: the UNIFESP experience; and corneal ulcers, acanthamoeba and microbacteria, respectively), Dr. Luisa Ribeiro of the Association for Innovation and Biomedical Research on Light and Image (AIBILI), Coimbra, Portugal (biomarkers of diabetic retinopathy in type 2 diabetes: an observational and prospective study) and the final lecture was by Professor Adrian Lee of Sydney, Australia, on serendipity, science, a willingness to challenge the dogma and a Prize at the end: the helicobacter story.

## Hyderabad Eye Research Foundation

### Institutional Review Board

#### Chair

**Justice T N C Rangarajan**  
Former Judge  
High Court of Madras and  
Andhra Pradesh, Hyderabad

#### Member Secretary

**Dr Harsha B L Rao**  
Ophthalmologist  
L V Prasad Eye Institute, Hyderabad

#### Members

**Dr Padmaja Kumari Rani**  
Ophthalmologist  
L V Prasad Eye Institute, Hyderabad

**Dr Subhabrata Chakrabarti**  
Scientist  
L V Prasad Eye Institute, Hyderabad

**Dr Usha Raman**  
Associate Professor and Head  
University of Hyderabad  
Hyderabad

### Dr B R Shamanna

*Director and Senior Public Health Specialist, Hyderabad*

### Dr Nuzhat Aziz

*Obstetrician  
Fernandez Hospital Pvt.Ltd  
Hyderabad*

### Mr Paul N Balasundaram

*Starfish India Partnerships  
Hyderabad*

### Dr Kalpana Kannabiran

*Professor and Director Council for Social Development  
(An ICSSR Research Institute)  
Hyderabad*

### Research Advisory Board

#### Chair

**Prof Dipankar Chatterji**  
Scientist, Indian Institute of Science  
Bengaluru

#### Members

**Prof Anuradha Lohia**  
Professor  
Bose Institute, Kolkata

### Dr Ghanshyam Swarup

*Scientist, Centre for Cellular & Molecular Biology  
Hyderabad*

### Partha P Majumder

*Director  
National Institute of Biomedical Genomics, Kalyani, West Bengal*

### Prof D Balasubramanian

*Director of Research  
L V Prasad Eye Institute, Hyderabad*

### Institutional Committee for Stem Cell Research and Therapy

#### Chair

**Justice T N C Rangarajan**  
Former Judge, High Court of Madras and Andhra Pradesh  
Hyderabad

### Member Secretary

**Dr Harsha B L Rao**  
Ophthalmologist  
L V Prasad Eye Institute, Hyderabad

#### Members

**Prof D Balasubramanian**  
Director of Research  
L V Prasad Eye Institute, Hyderabad

#### Dr Alka Sharma

*Joint Director  
Department of Biotechnology, New Delhi*

**Prof B S Ramakrishna**  
Head, Department of Medical Gastroenterology  
Christian Medical College Vellore

#### Dr Satish Kumar

*Centre for Cellular & Molecular Biology  
Hyderabad*

## Research Projects

- Program Support on translational research on eye diseases

**Investigators:** D Balasubramanian, Chitra Kannabiran, Geeta K Vemuganti, Subhabrata Chakrabarti, Inderjeet Kaur

**Support:** Department of Biotechnology, India (Program Support Grant)

## Kallam Anji Reddy Molecular Genetics Laboratory

- 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

- Genetic and phenotypic comparison of primary congenital glaucoma in India and Brazil

**Investigators:** Subhabrata Chakrabarti, Anil K Mandal, 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)

<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'Ophthalmologie, Habib Thameur Hospital, Tunis, Tunisia ♦ <sup>7</sup>Service de Biologie Clinique, Institut Salah Azaiz, Tunis, Tunisia

- Runs of homozygosity for identification of new genes in Primary congenital glaucoma

**Investigators:** Subhabrata Chakrabarti, Sriparna Ganguly<sup>1</sup>, Inderjeet Kaur, Anil K Mandal, Sirisha Senthil, Partha P Majumder<sup>1</sup>

**Support:** Indo-Australia Biotechnology Fund, Department of Biotechnology, India

- Functional genomics of primary open angle glaucoma

**Investigators:** Subhabrata Chakrabarti, Kollu N Rao, Meha Kabra, Farheen Amman, 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

- 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,

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

- Analysis of the molecular properties of mutant human  $\beta\gamma$ -crystallins associated with congenital cataract.

**Investigators:** D. Balasubramanian, Venkata Pullarao Vendra, Garima Agarwal<sup>1</sup>, N. Srinivasan<sup>1</sup>, Sushil Chandani<sup>2</sup>, VenuTalla<sup>3</sup>

**Support:** Department of Biotechnology, India

<sup>1</sup>Molecular Biophysics Unit, Indian Institute of Science, Bangalore ♦ <sup>2</sup>Novarus Discoveries Pvt Ltd, Hyderabad 500073 ♦ <sup>3</sup>University of Miami Miller School of Medicine, Miami, FL, USA

- Identification of genes causing autosomal recessive retinitis pigmentosa

**Investigators:** Chitra Kannabiran, Nishika Sahini, Lakshmi Palavalli, Subhadra Jalali, R Narayanan

**Support:** Champalimaud Foundation, Portugal, Department of Biotechnology, Govt of India

- 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, Guemira Fethi<sup>5</sup>, EA 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)

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<sup>1</sup>, Santosh Honavar, Mhd Javed Ali, Subhabrata Chakrabarti, Partha P Majumder<sup>1</sup>

**Support:** National Institute of Biomedical Genomics, Kalyani, India

- Genetic susceptibility to contact lens-related adverse events

**Investigators:** Subhabrata Chakrabarti, Nagaraju Konda<sup>3</sup>, Nerida Cole<sup>3</sup>, Inderjeet Kaur, Fiona Stapleton<sup>3</sup>, Mark Willcox<sup>3</sup>

**Support:** Vision CRC, Australia

- Molecular mechanism of pathogenesis of glaucoma caused by mutations in optineurin

**Investigators:** D Balasubramanian, Ghanshyam Swarup<sup>2</sup>, Subhabrata Chakrabarti

**Support:** Department of Biotechnology, India

- Genetics of Lebers Congenital Amaurosis (LCA)

**Investigators:** Chitra Kannabiran, Rachna Shukla, Lakshmi Palavalli, Subhadra Jalali

**Support:** Champalimaud Foundation, Portugal, Department of Biotechnology, Govt of India

- Molecular genetics of congenital cataract

**Investigators:** Chitra Kannabiran, Surya Prakash G Ponnam

**Support:** Council of Scientific & Industrial Research, India Hyderabad Eye Research Foundation

## Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory

- Development of a synthetic bio-degradable cell carrier membrane for the transplantation of cultured cells or freshly excised autologous tissue (limbal segments) for diseases of the cornea

**Investigators:** Virender S Sangwan, D Balasubramanian, Sheila MacNeil<sup>1</sup>, Indumathi Mariappan, Charanya Ramachandran

**Support:** Wellcome Trust, United Kingdom

- Generation of disease specific induced pluripotent stem cells from dermal fibroblasts of patients with retinal dystrophy

**Investigators:** Indumathi Mariappan, Chitra Kannabiran, Subhadra Jalali, Milind Naik

**Support:** Department of Biotechnology, India

- Derivation of retinal neurons from ciliary pigmented epithelium of the human eye

**Investigators:** Indumathi Mariappan

**Support:** Department of Science & Technology, India

- Generating corneal endothelium from the trabecular meshwork stem cells

**Investigators:** Charanya Ramachandran, D Balasubramanian, Virender S. Sangwan

**Support:** Department of Science and Technology, India

- Preservation and use of adult stem cells and the use of biomaterial scaffolds for clinical applications

**Investigators:** Virender Sangwan, José Domingos dos Santos,<sup>2</sup> D Balasubramanian, Indumathi Mariappan, Lívia Santos,<sup>2</sup> Ascensão Lopes,<sup>3</sup> Ana Colette Mauricio<sup>1</sup>

**Support:** Department of Science & Technology, India

<sup>1</sup>University of Sheffield, UK ♦ <sup>2</sup>Biosckin-Rua Eng. Portugal ♦ <sup>3</sup>University of Porto, Portugal

## Visual Optics and Psychophysics Laboratory

- The accommodative performance of the unioocular visual system

**Investigators:** Shrikant R Bharadwaj, Geeta Sravani

**Support:** Fast-Track Grant, Department of Science & Technology, Government of India

- Uncorrected astigmatism as a low-cost Strategy for improving unaided near vision after cataract surgery

**Investigators:** Shrikant R Bharadwaj, Veerendranath Pesala, Prashant Garg

**Support:** Ramalingaswami Fellowship, Department of Biotechnology, India, Hyderabad Eye Research Foundation.

## Ocular Microbiology Service, LVPEI, Bhubaneswar

- Investigation of epidemic keratoconjunctivitis in Odisha and Andhra Pradesh: Epidemiological profile, clinical spectrum and molecular characterization of causative agents

**Investigators:** Savitri Sharma, Sujata Das, Srikant K Sahu, Somasheila Murthy, BNR Subudhi<sup>2</sup>

**Support:** Department of Biotechnology, India

<sup>1</sup>Institute of Life Sciences, Bhubaneswar ♦ <sup>2</sup>MKCG Medical College, Berhampur, Odisha

- A multicentric masked randomized clinical study to assess the efficacy of 1% voriconazole eye drops compared to 5% natamycin eye drops in the treatment of mycotic keratitis

**Investigators:** Savitri Sharma, Sujata Das, Srikant K Sahu, Prashant Garg, Merle Fernandes

**Support:** Hyderabad Eye Research Foundation, India

- Diagnostic potential of loop mediated isothermal amplification (LAMP) versus real-time PCR for ocular tuberculosis

**Investigators:** Soumyava Basu, Savitri Sharma, Praveen K Balne, Manas R Bari

**Support:** Dept. of Science and Technology, India

## Ophthalmic Biophysics and Mechanobiology Laboratory

- Finite element modeling of the cornea and penetrating keratoplasty

**Investigators:** Ashutosh Richhariya, Geunyoung Yoon<sup>1</sup>, R. Peruchhio

**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>2</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>2</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>2</sup>, Milind Naik

**Support:** Hyderabad Eye Research Foundation

- Evaluation of image enhancement as a vision rehabilitation tool

**Investigators:** PremNandhini Satgunam, Cyril Sara Babukutty

**Support:** Hyderabad Eye Research Foundation

- Validation of mechanized tangent screen kinetic perimeter for mapping visual fields

**Investigators:** PremNandhini Satgunam, Ashutosh Richhariya

**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

<sup>1</sup>University of Rochester, USA ♦ <sup>2</sup>IIT, Hyderabad

## Patient-Reported Outcomes Research

### 1. 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

### 2. 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

### 3. Effectiveness of low vision rehabilitation (LVR) in children in India

**Investigators:** Vijaya K Gothwal, Rebecca Sumalini, Seelam Bharani

**Support:** Hyderabad Eye Research Foundation

### 4. 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

### 5. 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

### 6. 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

### 7. Diabetic Retinopathy

**Investigators:** Vijaya K Gothwal, Seelam Bharani, Divya Balakrishnan, Annie Mathai, Ajit Babu Majji, Jay Chabblani, Padmaja Kumari Rani, Mudit Tyagi

**Support:** Hyderabad Eye Research Foundation

### 8. 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, Jagadeesh Reddy

**Support:** Hyderabad Eye Research Foundation

### 9. 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 Kekakunyaa, Anil K Mandal, Santosh Honavar

**Support:** Hyderabad Eye Research Foundation

### 10. 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

### 11. Measuring participation and contextual factors in children with vision impairment

**Investigators:** Deepak K Bagga, Vijaya K Gothwal, Jill Keeffe<sup>1</sup>, Serge Resnikoff<sup>2</sup>

**Support:** Vision CRC, Sydney, Australia

<sup>1</sup>Centre for Eye Research Australia, Melbourne, Australia ♦ <sup>2</sup>University of New South Wales, Sydney, Australia

## Research scholars at Prof Brien Holden Eye Research Centre

### BASIC RESEARCH

#### Kallam Anji Reddy Molecular Genetics Laboratory

Kollu Nageswara Rao, Rachna Shukla, Ganeswara Rao, Sonika Rathi, Meha Kabra, Priyanka Chevour, Santvana G, Shaika Shanbag, Ramadevi .CH Almas Shamaila, Shahna

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

Subhash Gaddipati, Shubha Tiwari, Mangalangi U, Savitri Maddileti, Santosh Kacham, Praveen Joseph, Praveen M

#### Research Biochemistry Laboratory

Venkata Pulla Rao, Srinivasu

#### Post-doctoral Research Associates

Charanya Ramachandran, Rupa Koneni, Ramesh Babu K, Jamila Siawala

#### LVPEI, Bhubaneswar: Ocular Microbiology

Sarita Kar, Praveen Kumar Balne

### CLINICAL RESEARCH

#### Kallam Anji Reddy Campus

Director Clinical Research: Dr. Virender Singh Sangwan

Manager Operations: Sridevi Rayasam

Study Optometrists: Ms Bidula Das

Study Coordinators: Kiran Kunaparaju, Sateesh Kumar Kondla, Ms. Archana Digumarti, Ms. Savitha Narayan, Luke Swaroop,

Data Entry Operators: Rupasree Edelly, E. Shoba Laxmi.

#### Bhubaneswar Campus

Study Optometrists: Krushna Gopal Panda, Debasis Mohapatra

Clinical Research Coordinators: Bibhudatta Mohanty

(Excel Life Sciences), Preeti Semwal

Support Staff: Susant Kumar Sahoo



## Clinical Research Projects (KAR Campus)

S.No	Name of the trial/Duration	Principal Investigator	Collaborator
1.	New ophthalmic solution in the treatment of adenoviral conjunctivitis/Jan 2013 to Jan 2014	Dr Prashant Garg	Novobay, US
2.	ACSIKS, Asia Cornea Society's Infective keratitis study/June 2013 to Dec 2014.	Dr Prashant Garg	Asia Cornea Society
3.	SAKURA, Intra-vitreal injections for treating non-infectious posterior uveitis/ Dec 2011 ongoing	Dr Somasheila Murthy	Santen, US
4	Merck 2452, (Medication for lowering intra-ocular pressure )/ Oct 2012 to Apr 2013	Dr Sirisha Senthil	Merck and Co. Inc USA
5.	CAVNAV, A Double-Masked, Randomized, Active-Controlled Study of the Clinical Efficacy of Intravitreal Administration of Anti-VEGF combined with Navigated Laser Treatment in Patients with Clinically Significant Macular Edema(CSME)/ Jan 2013 to Jan 2014	Dr Jay Kumar Chhablani	OD-OS Inc
6.	Brinz-Brim, Brinz-Brim (Fixed dose combination of brinzolamide and brimonidine for lowering intra-ocular pressure/April 2012 to Mar 2013	Dr Harsha B.L. Rao	Alcon Labs
7.	BRANVO, Study of the Efficacy, Safety, and Tolerability of Repeated Intravitreal Administration of Ranibizumab versus Bevacizumab in Subjects with Macular Edema Secondary to Branch Retinal Vein Occlusion/Jan 2012 to Dec 2013	Dr Raja Narayanan	Novartis
8.	EWES, clinical trial to investigate daily, morning cleaning of silicone hydrogel contact lenses worn during extended wear as a strategy for reducing adverse events associated with contact lens wear in neophyte and experienced lens wear/ Aug 2012 to Dec 2013	Dr Varsha Rathi	Brien Holden Vision Institute, Sydney
9	Nanotome, feasibility clinical evaluation of a method of removing anterior stromal corneal scars and correcting irregular astigmatism.	Dr Pravin Krishna Vaddavalli	Gebauer Medizintechnik GmbH
10	LUMINOUS, Study to observe the effectiveness and safety of LUCENTIS through individualized patient treatment and associated outcomes /Jan 2012 to Jan 2017	Novartis Pharma AG	
11	IOL-TECh/Comparative, trial on the anti-inflammatory efficacy of diclofenac released from an intraocular lens versus administration of 0.1% diclofenac eye-drops in the prevention of post-operative inflammatory manifestations after cataract surgery. Feb 2008 to Nov 2012	Carl Zeiss Meditec, France	

## Clinical Research Projects (Bhubaneswar Campus)

Name of the project	project investigators	supported by	Duration
A Phase III,multinational,multicentre,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 Soumyava Basu	Santen,USA	2012-2015
LUMINOUS:Study to observe the effectiveness and safety of LUCENTIS through individualized patient treatment and associated outcomes	Dr Taraprasad Das	Novartis	2013 onwards

## Scaling up Clinical Research by Expansion of Infrastructure

L V Prasad Eye Institute Hyderabad, which has proven its standard by providing advanced medical care for over 13 million people covering all geographical locations in India and making it the largest centre of its kind, expanded its set up making the Silver Jubilee year all the more memorable. The extended office is about 200m away from the current location and has dedicated space for Clinical Research.

In order to meet the present challenges in Clinical Research and provide excellent services to its clients across the globe, the clinical research department has now expanded in terms of Medical Expertise Advisory members, Trained Clinical Research Staff and Infrastructure.

### The extended office spreads over an area of 4,500 square feet

Expert Advisory Committee members (medically qualified doctors) to safeguard subject safety in addition to the IRB

Dr Virender Singh Sangwan (Over 20 years of clinical Experience), Director, Clinical Research

Dr Somasheila Murthy (Cornea and Uvea)

Dr Raja Narayanan (Macular diseases)

Dr Rajeev Kumar Reddy Pappuru (Retina and uvea)

Dr Harsha B.L.Rao (Glaucoma)

Experienced, dedicated and full-time Clinical Research Department with different hierarchy levels to provide better services to sponsor, with superior quality and within timelines.

Dr Sridevi Rayasam Manager Clinical Research Operations heading a team of 10 Clinical Research Coordinators.

Dedicated, full-time, GCP-trained and experienced Clinical Research Coordinators and Clinical Research Optometrists.

Central Laboratories Procedures	Central Reading Centers	EDC
• Covance Laboratories	• DARC	• Datalabs
• Quest etc	• VRC	• Ascopharm
	• EMMES etc	• Medidata Rave

### Infrastructure with standard & varied facilities

- Nine examination rooms equipped with slitlamps with complog monitors, diagnostic labs spread over an area of 400 square feet that include Zeiss Cirrhous OCT, B-scan, A-scan keratometer, Zeiss Visulas, photo slitlamp and Zeiss HVF.
- NABH-accredited LVPEI local diagnostic lab.
- Drug storage facility at any desired temperature
- Fireproof cabinets for document storage for both ongoing and completed trials
- All diagnostic equipment to meet with the sponsor requirements
- Qualified support staff including certified optometrists, physicians, phlebotomists.
- Conference hall for protocol presentations and study-specific trainings
- Dedicated room for multiple monitoring visits
- High speed intranet for EDC and data transfer.

### The extended world class facility is expected to enhance the capabilities to conduct clinical research by:

- Increased the ability to scale up research operations
- Separate facility gives more focus
- Special attention to subjects, their schedules and retention,
- Hosts sophisticated diagnostic equipment for research
- Assured confidentiality of patient data
- Increased safety of the IP and the documentation

Proximity to the main campus assures the services of the senior faculty with an added advantage of better infrastructure.

### Achievements

L V Prasad Eye Institute is a premier eye research organization and a recognized WHO collaborating center for prevention of blindness.

- Experience in various global clinical trials in all phases with high patient enrollments
- Site audited by EMEA for Luminous Uveitis Study, data validated for analysis.
- Received accreditation from the National Accreditation Board for Hospital and Health Care providers (NABH).

## Basic Research Projects

Name of the Project	Principal Investigator	Supported By	Duration
Identification of biomarkers for risk prediction and disease progression in Retinopathy of Prematurity: a potentially blinding neonatal disorder	Dr Inderjeet Kaur	Department of Biotechnology, India	2012 -2015
Derivation of retinal neurons from ciliary pigmented epithelium of the human eye	Dr Indumathi Marriappan	Science & Engineering Research Board (SERB), India	2010-2013
Investigation of Epidemic Keratoconjunctivitis in Orissa and Andhra Pradesh: Epidemiological profile, clinical spectrum and molecular characterization of causative agents	Dr Savitri Sharma	Department of Biotechnology, India	2010-2013
Control of Focusing and eye alignment during Human visual development	Dr Shrikant Bharadwaj	Department of Science and Technology, India	2012 -2015
Molecular mechanism of pathogenesis of glaucoma caused by mutation in optineurin	Dr Subhabrata Chakrabarti	Department of Biotechnology, India	2010-2014
Establishing a risk assessment chip for the eye disease age related macular degeneration	Dr Subhabrata Chakrabarti	Department of Biotechnology, India	2009-2013
National Retinoblastoma Registry	Dr Swati Kaliki	Indian Council of Medical Research, India	2012 - 2014
Genetic and phenotypic comparison of primary congenital glaucoma in India and Brazil	Dr Subhabrata Chakrabarti	Department of Science and Technology	2009-2013
Genetic comparison of primary congenital glaucoma in India and Tunisia - Understanding the possible founder effects	Dr Subhabrata Chakrabarti	Department of Science and Technology, India	2009-2013
Optics of the growing crystalline lens	Dr V S Sangwan	NIH	2012 onwards
Genetic Studies on Stevens Johnson Syndrome	Dr Chitra Kannabiran	ICMR	2012-2015
Development of a synthetic biodegradable cell carrier membrane for the transplantation of cultured cells or freshly excised autologous tissue (limbal segments or oral mucosa) for diseases of the cornea	Prof D Balasubramanian Dr V S Sangwan	Wellcome Trust	2010 onwards
Centre of Excellence (CoE)	Prof D Balasubramanian Dr Subhabrata Chakrabarthi Dr Chitra Kannabiran Dr Indumathi Marriappan	Department of Biotechnology, India	2013 onwards

## Publications

1. Augusteyn RC, **Mohamed A**, Parel JM. Letter to the editor: Lens thickness growth in humans. *Clin Exp Ophthalmol* 2012 Dec 25; [Epub ahead of print] PMID: 23279631.
2. Agrawal R, Laude A, **Taneja M**. Fish-hook injury of the eye. *Int Ophthalmol*. 2012 Jun;32(3):269-71
3. Ahmed Y, **Pathengay A**, Flynn HW Jr, Isom R. Delayed-onset endophthalmitis associated with Ex-PRESS mini glaucoma shunt®. *Ophthalmic Surg Lasers Imaging*. 2012 Jul 12;43 Online:e62-3.
4. Aldave AJ, **Sangwan VS**, Basu S, Basak SK, Hovakimyan A, Gevorgyan O, Kharashi SA, Jindan MA, Tandon R, Mascarenhas J, Malyugin B, Padilla MD, Maskati Q, Agarwala N, Hutaeruk J, Sharma M, Yu F. International Results with the Boston Type I Keratoprosthesis. *Ophthalmology*. 2012 Aug;119(8):1530-8.
5. Ali MJ, Gupta H, Naik MN, Honavar SG. Endoscopic guided single self-linking silicone stent in pediatric external dacryocystorhinostomy. *Minim Invasive Ther Allied Technol*. 2013 Feb 19. [Epub ahead of print] PMID: 23418934.
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10. Ali MJ, Honavar SG, Naik MN. Retinal Astrocytic Hamartoma and Bourneville's disease. *Oman J Ophthalmol*. 2012 Sep;5(3):198-9
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14. Ashar JN, Pahuja S, Ramappa M, Vaddavalli PK, Chaurasia S, Garg P. Deep Anterior Lamellar Keratoplasty in Children. *Am J Ophthalmol*. 2013 Mar;155(3):570-574.e1.
15. Ashar JN, Latha M, Vaddavalli PK. Phototherapeutic keratectomy versus alcohol epitheliectomy with mechanical debridement for superficial variant of granular dystrophy: A paired eye comparison.. *Cont Lens Anterior Eye*. 2012 Oct;35(5):236-9
16. Ashar JN, MadhaviLatha K, Vaddavalli PK . Descemet's stripping endothelial keratoplasty (DSEK) for children with congenital hereditary endothelial dystrophy: surgical challenges and 1-year outcomes. *Graefes Arch Clin Exp Ophthalmol*. 2012 Sep;250(9):1341-5.
17. Bagga B, Pahuja S, Murthy S, Sangwan VS. Endothelial failure after collagen cross-linking with riboflavin and UV-A: case report with literature review. *Cornea*. 2012 Oct; 31(10):1197-200.
18. Balne PK, Reddy AK, Kodiganti M, Gorli SR, Garg P. Evaluation of three PCR assays for the detection of fungi in patients with mycotic keratitis. *Br J Ophthalmol*. 2012 Jun;96(6):911-2.
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21. Basu S, Fernandez MM, Das S, Gaddipati S, Vemuganti GK, Sangwan VS. Clinical outcomes of xeno-free allogeneic cultivated limbal epithelial transplantation for bilateral limbal stem cell deficiency. *Br J Ophthalmology*. 2012 Dec; 96(12):1504-9.
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23. Basu S, Mittal R, Rath S, Balne PK, Sharma S. Disseminated tuberculosis presenting as irido-ciliary granuloma in an immunocompetent patient. *J Ophthalmic Inflamm Infect*. 2012 Sep;2(3):173-5.
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32. Chhablani JK, Narula R, Narayanan R. Intravitreal bevacizumab monotherapy for treatment-naïve polypoidal choroidal vasculopathy. Indian J Ophthalmol. 2013 Mar;61(3):136-8.
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## Presentations

Javed Ali

### International

- NUHS 2012, Singapore – 2 presentations: Diseases of the puncta; & What's our group's contribution to Dacryology.
- CUHK Grand rounds 2012, Hong Kong – 3 engagements: Lacrimal quiz; Challenging Dacryology Cases; & Recent advances in Dacryology.
- ISO-HK 2012, Hong Kong – 4 presentations: Puncta- more than what meets the eye; Diagnostic and Therapeutic Dacryoendoscopy; Mitomycin C in DCR: Does it really work; & Complex CNLDO and dual endoscopy in higher ages.
- OSB 2013, Dhaka – 2 presentations: Canicular stenosis and its management; & What's happening in Lacrimal disorders.
- APAO-AIOS 2013, Hyderabad – 7 presentations: Management of a Failed DCR; NLD Recanalization; Orbital Fungal infections; Lacrimal infections; RB1 Gene Mutations; What's new in CNLDO; & Pediatric upper lacrimal system disorders.

### National

- Fusion 2012, Hyderabad – 4 presentations: Adult Balloon DCP; Canicular blocks – workable solutions; Endoscopic CDR; DCR: & Cornerstone in the evolution of Dacryology
- Evidence 2012, Hyderabad – 4 presentations: MMC: Is it just a feel good factor; Silicone intubation: Does it really work; Pediatric Lacrimal diseases; Recent advances in Dacryology'
- Consent 2012, Ahmedabad - Medicolegal concerns of an ophthalmologist.
- SDEH CME, 2012, Hyderabad - Pediatric Lacrimal disorders.
- NHRM-LVPEI Meet, 2012, Hyderabad - Pediatric Oculoplastic disorders.
- EyePEP 2012, Hyderabad – 6 presentations: What's new in Dacryology; Congenital lacrimal disorders; Tackling Entropion; How to do a good External DCR; Evaluation of lids, lacrimal system and orbits; & Positive side effects – The four letter words you love
- APOS 2012, Guntur – 8 presentations: Pediatric upper lacrimal system disorders; CNLDO – All you want to know; Lacrimal trauma; Principles of external dacrocystorhinostomy; Adult Balloon Dacryoplasty; Dual Endoscopy- Saving children from a DCR; Multimodal approach for an endonasal revision DCR; & Self-linked stents for pediatric external DCR.
- OPAI 2012, Amritsar – 3 presentations: What's new in Dacryology; Multimodal therapy for revision endonasal DCR; & Dacryology: Thinking beyond DCR
- KSOS-Future 2012, Bijapur - Recent Advances in lacrimal disorders
- VOA CME 2012, Vijayawada – 5 presentations: Lid mass – What is it; External DCR – Video lecture; Syringing and Probing – Video lecture; A case of Proptosis – How do I proceed; & Acute Dacryocystitis – What's new.
- NTR-UHS CME, GMC 2013, Hyderabad - Recent Advances in Dacryology.

Bhupesh Bagga

### International

- ASCRS, San Francisco, USA – Paper presentation: Outcome of Neisseria keratitis; April 2013.

### National

- Hormony 2012, Moradabad – 2 Invited Talks: Newer Antimicrobials; Paediatric Corneal Infections; December 2012.

Deepak Kumar Bagga

### International

- 9 GA, IAPB, Hyderabad – Rapid Fire presentation and Poster presentation: Quality of Life in visually impaired Indian population; 17-20 September 2012.

### National

- 27<sup>th</sup> Low vision Awareness Program (LAP), Hyderabad – Talk: Patients with low vision: examination is simple; 7 April 2012.
- Evidence 2012, Hyderabad – Talk: Low vision: need we despair; 31 May-3 June.
- 28<sup>th</sup> Low vision Awareness Program, Hyderabad – Talk: How can I help my patients with low vision; 21 September 2012.

Divya Balakrishnan

### International

- 9 GA, IAPB, Hyderabad – Paper presentation: Evolving Trends of Retinopathy of Prematurity Over a Decade of the Indian Twin Cities ROP Study (ITCROPS); September 2012.
- EURETINA, Milan, Italy – 2 Paper presentations: Clinical Outcomes of Treatment of Optic Disc Pit with Neurosensory Detachment; & Indian Twin Cities ROP Study (ITCROPS) - Journey over a decade to combat the “third epidemic” of ROP; 6-9 September 2012.
- APAO-AIOS, Hyderabad – Poster: Clinical profile and surgical outcomes of persistent fetal vasculature (persistent hyperplastic primary vitreous) PHPV; 17-20 January 2013.

### National

- Fusion 2012, Hyderabad – Talk: Pediatric Retina session, ROP – Can we win the war; 12-14 February 2012.
- Evidence 2012, Hyderabad – Talk: ROP session - Trends in ROP; June 2012.

D Balasubramanian

### International

- National University of Taiwan - Lecture; 23 May 2012.
- C-TRACER-1 at Hyderabad, Coimbra, Portugal - Research progress; 28 June 2012.
- International Society for eye research meeting, Berlin – Lecture: Limbal Stem Cell Research and Therapy – CLET / SLET; 23 July 2012.
- TWAS, Tenenjin, China- Lecture: Limbal Stem Cell Therapy for the Cornea; 17 September 2012.
- International Conference on Ageing, Hong Kong – Lecture: Cataract as an Ageing Disease; 14-15 November 2012.
- Meeting of C-Tracer 3, Sao Paulo, Brazil – Lecture, Progress of Work at C-Tracer 1; 13-15 December 2013.
- APAO Hyderabad – Talk: Stem Cell Therapy at LVPEI; 17 January 2013.

### National

- Punjab University, Chandigarh - Research talk: Molecular Aspects of Cataract; 16 April 2012.
- Narayana Medical College, Nellore – Lecture: L V Prasad Pyramid Model of Eye Care; 16 June 2012.
- Novartis Hyderabad – Talk: Molecular Aspects of Congenital Cataract; 30 July 2012.
- IIT Hyderabad – Lecture: Material Science and the Eye; 29 August 2012.
- IIT Hyderabad – Lecture: Translational Research in Ophthalmology; 3 October 2012.

- Meeting of Indian National Science Academy, Lucknow – *Convenor: History of Indian Medical Traditions; 14-16 October 2012.*
- IIT, New Delhi – *Lecture: Functional Analysis of Optineurin - A Molecule of Importance in Glaucoma; 22 October 2012.*
- IISc, Bangalore – *Lecture: Contributions of G N Ramachandran on Protein Conformations; 8 January 2013.*
- Osmania University, Centre for International Programmes, Hyderabad – *Talk: Translational research on the eye; 23 January 2013.*
- IISER, Pune - *2 lectures: Molecular Understanding of Congenital Cataract of the Lens; & Translational Research in Eye Care: the LVPEI Experience; 6-7 February 2013.*
- Bombay University, Mumbai - *2 talks: Molecular Biology of Congenital Cataract; & Limbal Stem Cell Therapy; 12 February 2013.*

#### Praveen Kumar Balne

##### National

- Indian Eye Research Group - ARVO-India Chapter, 20<sup>th</sup> Annual Meeting, Hyderabad - *Poster presentation - Molecular Characterization of Microsporidia and Adenovirus associated with Epidemic Keratoconjunctivitis, (first author); 28-29 July 2012.*
- 6<sup>th</sup> annual conference of IAMM Odisha Chapter 2012, Bhubaneswar - *Presentation: Evaluation of Multiplex PCR for the Diagnosis of Intraocular Tuberculosis; 12 August 2012.*

#### Seema Banerjee

##### National

##### Invited talks

- Sixth Annual Conference of Indian Optometry Association, Kerala Chapter – *Talk: Community Eye Care Services and CBR; 8-9 December 2012.*

#### Sayan Basu

##### International

- AAO, Chicago, USA – *4 engagements: Instruction Course: Management of chronic Stevens Johnson Syndrome; Paper Presentation: Treatment of bilateral limbal stem cell deficiency; Poster presentation: Mucosal complications of osteo-odonto keratoprosthesis; Poster presentation: Simple Limbal Epithelial Transplantation; November 2012.*
- Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, USA – *2 Invited talks: Osteo-odonto Keratoprosthesis in Chronic Stevens Johnson Syndrome; & Limbal Stem Cell Therapy; 15-16 January 2013.*
- University of Rochester Medical Center, Rochester, USA - *Invited talk: Role of Imaging in the Management of Acute Corneal Hydrops and Antibiotic Prophylaxis in Cataract Surgery; 15 March 2013.*
- Ophthalmology and Visual Sciences Research Center, University of Pittsburgh Medical Center, Pittsburgh, USA - *2 Invited talks: Limbal Biopsy as a Source of Stem Cells for Autologous Stromal Cell-based Therapy; & LVPEI Eye Health Pyramid; 20-21 March 2013.*

##### National

- Evidence 2012, Hyderabad – *3 Engagements: Talk: Acute Corneal Hydrops; Talk: Management of Acute Chemical Injuries and Stevens Johnson Syndrome; Talk: Management of Chronic Stevens Johnson Syndrome: Dua's Course on Ocular Surface Diseases; 2-3 June 2012.*
- AIOS Post-Graduate Update (East-Zone), Regional Institute of Ophthalmology, Kolkata – *Talk: Limbal Stem Cells and Keratoprosthesis; 22 June 2012.*

#### Soumyava Basu

##### International

- AAO, Chicago, USA – *Presentation: Polymerase Chain Reaction Outcomes in Clinically Predicted Tubercular Uveitis; 10-11 November 2012*

##### National

- Evidence 2012, Hyderabad – *3 engagements: Faculty, Ocular tuberculosis; Panelist, Pow-Wow, Empirical vs Evidence - Which Way to Go; & Panelist, Uveitis and Inflammation*
- 4<sup>th</sup> Retnet India Meeting, Cochin – *Presentation: Ocular tuberculosis: retinal vs choroidal; 21-22 July 2012.*

#### Shrikant Bharadwaj

##### International

- Caledonian University, Glasgow, UK – *Presentation: Uncorrected astigmatism as an alternate strategy for optimizing near vision after cataract surgery.*
- Cardiff University School of Optometry & Vision Science, UK - *Presentation: Predicting the image quality of pseudophakic eyes with uncorrected astigmatism*

##### National

- Dr E Vaithilingam Memorial Scientific Session 2013, Chennai – *Presentation: Predicting the image quality of pseudophakic eyes with uncorrected astigmatism; 17 March 2013.*

#### Subhabrata Chakrabarti

##### International

- Indo-US Symposium, Novel Tools and Themes in Vision Sciences, Hyderabad – *Presentation: Molecular Epidemiology of quantitative traits associated with progression in age-related eye diseases; 22-23 January 2013.*
- APAO-AIOS, Hyderabad - *Presentation: Genomics of primary open angle glaucoma in India: The road ahead. Presented at the Genomics symposium; 17-20 January 2013.*
- Annual Postgraduate Review Week, UNSW, Sydney, Australia – *Presentation: Measures of scientific productivity and scientific misconduct; 10-14 September 2012.*
- Duke University Medical Center, North Carolina, USA - *Presentation: Genomics of glaucoma in India: Some recent results; 1 May 2012.*

##### National

- Guha Research Conference at the North Eastern Hill University, Shillong – *Presentation: Genomics of an age-related blinding disease; 28 November 2012.*
- Glaucoma Research Priorities Workshop, Aravind Eye Care Systems, Madurai - *Presentation: Genomics of glaucoma: An Indian perspective; 1 October 2012.*
- Vision Genomics Workshop, Aravind Eye Care Systems, Madurai - *Presentation: Genomics of age-related macular degeneration in the Indian scenario; 2 October 2012.*

#### Sunita Chaurasia

##### International

- APAO-AIOS, Hyderabad - *Poster presentation: Endothelial Keratoplasty: a review of indications at a tertiary eye care center in South-India; 17-20 January 2013.*
- 9 GA, IAPB, Hyderabad - *2 Poster presentations: Endothelial Keratoplasty: a review of indications at a tertiary eye care center in South India; Neonatal keratitis: clinical presentation and management; 17-20 September 2012.*
- American Academy of Ophthalmology, Chicago, USA - *Instruction*

**Course:** Nightmares in pediatric cataract surgery; **5 Poster presentations:** Deep Anterior Lamellar Keratoplasty (DALK) in children of amblyogenic age group: Indications, Surgical Challenges and Outcomes; Outcomes of secondary intraocular lens implantation (IOL) in aphakic children: a five-year experience at a tertiary care center; Outcomes of keratoplasty by using pediatric donor cornea less than 3 years of age; Comparative outcomes of endothelial keratoplasty (EK) with or without stripping Descemet's membrane (DM); One year outcomes of pediatric lamellar keratoplasty: endothelial and deep anterior lamellar keratoplasty comparison with penetrating keratoplasty; November 2012.

#### National

- Eye PEP 2012, Hyderabad - **4 paper presentations:** Evaluation of cornea and anterior segment; Phacoemulsification: Steps and surgical techniques; Penetrating keratoplasty: Evolution, eye banking, suturing and surgical techniques; Corneal dystrophy and corneal degenerations; 31 September -7 October 2012.
- Evidence 2012, Hyderabad - **4 paper presentations:** Endothelial keratoplasty: Descemet stripping vs. Non stripping endothelial keratoplasty; Cataract: Cataract surgery in eyes with prior kerato-refractive procedures; Microbial keratitis: Newer anti-bacterial agents; Ocular Infections: Lens abscess-diagnosis and management; 31 May-3 June 2012.
- National Programme for Control of blindness: KID-ROP - **Presentation:** Corneal and anterior segment disorders in early childhood

#### Jay Chhablani

#### International

- APAO-AIOS , Hyderabad - **6 Instruction courses:** Anti-VEGF trials in diabetic macular edema; Ranibizumab Trials in Age-related macular degeneration: review of clinical trials; Choroidal imaging; Parasitic diseases of the posterior segment; Autofluorescence - Advanced retinal diagnostics - getting under the skin of retinal diseases; Overcoming the mist of hazy media and tackling inadequate pupillary dilatation - Difficult situations in vitreoretinal surgery - prevention and management. **2 Paper presentations:** Disruption of the photoreceptor inner segment/outer segment junction and external limiting membrane on spectral-domain optical coherence tomography are predictors of visual outcomes after primary epiretinal membrane surgery; Characterization and outcomes of scleral buckling (SB) and vitreoretinal surgery (PPV) in rhegmatogenous retinal detachments associated with ocular and oculocutaneous albinism. - **4 Poster presentations:** Comparison between navigated laser system and conventional and PASCAL laser system; Spectral domain OCT features in fellow eyes of patients with idiopathic macular hole; Choroidal imaging using enhanced depth imaging (EDI) optical coherence tomography; Vitreous hemorrhage in polypoidal choroidal vasculopathy: incidence, clinical characteristics, and outcome of surgical management. - **2 Video presentations:** Chorioretinal biopsy - surgical video; Navigated laser photocoagulation - a new frontier in retinal lasers
- EURETINA, Milan 2012 – **Paper presentation:** Spectral Domain OCT Features in Fellow Eyes of Patients with Idiopathic Macular Hole
- ARVO 2012, Fort Lauderdale, Florida - **7 paper presentations:** Fluorescein Angiography And SD-OCT Analysis Of Lasered Microaneurysms In Diabetic Macular Edema; Safety And Efficacy Of Oral Fluorescein Angiography In Detecting Macular Edema Compared To Spectral Domain Optical Coherence Tomography; Disruption Of The Photoreceptor Inner Segment/outer Segment Junction And External Limiting Membrane On Spectral-domain Optical Coherence Tomography Are Predictors Of Visual Outcomes After Primary Epiretinal Membrane Surgery;

Correlation Between Visual Acuity And Subretinal Scarring Following Treatment Of Wet Age-Related Macular Degeneration; Vision Testing Algorithms For Time-dependent Stimuli In Patients With Macular Pathology; Image Guided Navigated Retinal Laser Treatments Using Multiple Image Modalities; The Best Functional Predictor of HIV Status in Relation to the Retinal Damage

- ASCRS, Chicago 2012 – **Paper presentation:** Automated Multimodal Vision Testing Device for Diagnostic Information That Correlates With Patient Complaints and Ocular Pathology
- AAO 2012, Chicago - **Video presentation:** Spectral Domain OCT-Integrated Navigated Retinal Laser Photocoagulation for Diabetic Macular Edema

#### National

- 21<sup>st</sup> Annual Conference of VRSI, Guwahati; **2 Paper presentations:** Diagnosis of subretinal neovascularization (SRNV) secondary to idiopathic macular telangiectasia (IMT); & Clinical profile and long term outcome of scleral buckle infection/extrusion in south India. **2 Poster presentations:** Pediatric vitreous hemorrhage: Etiology, clinical features and outcomes at a tertiary eye care center in India; & Microbiologic spectrum and susceptibility of isolates in scleral buckle infection; December 2012.
- AP Ophthalmological Society Conference 2012 - **Guest lecture:** AMD symposium – VEGF trap and Beyond anti-VEGF in AMD
- Retina CME 2012, Hyderabad - **Guest Lecture:** Management of DME
- Indian Eye Research Group – ARVO-India chapter - **Poster presentation:** Prophylactic Laser Photocoagulation Prevents Retinal Detachment in Eyes with Retinochoroidal Coloboma; July 2012
- Evidence 2012, Hyderabad – **Guest lecture:** Standard laser vs PASCAL vs NAVILAS- hype or reality

#### Nikhil Choudhari

#### International

- APAO-AIOS, Hyderabad – **9 Engagements: Instruction course on pediatric neuro-ophthalmology:** Pediatric optic neuritis; **Invited talk:** Do blood tests are necessary in all cases of optic neuritis; **Instruction course on investigations in neuro-ophthalmology:** OCT in Neuro-ophthalmology; **Instruction course on optic atrophy:** Differentiating glaucomatous from non-glaucomatous optic neuropathy; **Instruction course 'Optic disc edema: What next':** True versus pseudo optic disc edema; **Instruction course 'Optic disc edema: What next':** Unilateral optic disc edema; **Poster presentation:** Glaucoma practice pattern in India; **Poster presentation:** Glaucoma in nanophthalmos; **Poster presentation:** Outcome of bleb needling; 17-20 January 2013.

#### National

- Evidence 2012, Hyderabad – **4 Engagements: Talk:** Our experience of optic neuritis; **Case presentation and Discussion:** Normal Tension Glaucoma; **Case presentation and Discussion:** VKC and Glaucoma; **Surgical video presentation:** SICS + IOL + Trabeculectomy; 31 May-3 June 2012.
- Glaucoma CME, Bhubaneswar – **2 Talks:** IOP and beyond; Rate of visual field progression: when and how to intervene; 21-22 July 2012.
- National CME, Sarojini Devi Eye Hospital, Hyderabad – **Talk:** Tonometry; 8 September 2012.
- Eye-PEP, Hyderabad – **3 Talks:** Optic disc evaluation; Understanding optic neuritis; Peeking into the pupil - normal and abnormal; 3-4 October 2012.
- Glaucoma Society of India, annual meeting, Coimbatore – **4 Invited talks:** Clinical evaluation of the optic disc; What is the implication of an isolated disc hemorrhage (as the only positive

finding) in a patient who has come for a routine eye check up (non glaucoma patient); A study of initial therapy for glaucoma in southern India: India Glaucoma Outcomes and Treatment (INGOT) study; If glaucoma is a 24 hour disease, why don't we consider the supine IOP in the risk management of our glaucoma patients as a routine; 5-7 October 2012.

- Andhra Pradesh Ophthalmic Conference, Guntur - 2 Engagements: *Invited video-based talk:* Technique of SICS+ IOL+ Trabeculectomy; *Invited talk:* Approach to a patient with optic disc pallor; 12-13 October 2012.
- Glaucoma Workshop, organized by Allergan, Chennai - *Invited Case Presentation:* Management of glaucoma in ICE syndrome; 24 February 2013.

#### Sujata Das

##### International

- Asia Pacific Academy of Ophthalmology (APAO) Annual Conference, Busan - *Invited Speaker:* The role of in-vivo confocal microscopy of fungal keratitis; 13-16 April 2012.
- APAO-AIOS, Hyderabad - 4 engagements: *Invited Faculty:* Reliability of Pachymetry after laser refractive surgery; *Instruction Course:* Garlands and Wreaths of Nocardia Keratitis; *Instruction Course:* Challenges in diagnosis and management of Fungal Keratitis, Das S, Sharma S, Mittal R; *Free Paper:* Donor and tissue profile of a community Eye Bank in Eastern India, (co-author); January 2013.

##### National

- Evidence 2012, Hyderabad - *Faculty:* My Way of Management of Parasitic Keratitis; 31 May – 3 June 2012.
- IERG ARVO-India Chapter 2012, Hyderabad - *Free Paper:* A prospective, double-masked, randomized, clinical trial to evaluate the efficacy of debridement in the treatment of keratoconjunctivitis caused by microsporidia; 28-29 Jul 2012.
- AIOC, Kochi - 2 Engagements: *Instruction Course:* Non-Viral Corneal Ulcer - Challenges and Tips for Management: Clinical Evaluation of a Case of Corneal Ulcer; *Invited Speaker:* My No 1 Pearl in Cornea: Sclero-Corneal Patch Graft for Tunnel Infection; 2-5 February 2013.

#### Taraprasad Das

##### International

- APAO, Busan - 4 Engagements: *Invited Speaker:* Central serous chorioretinopathy. Clinical features revisited; *Invited Speaker:* Trends and outcome of anti VEGF treatment in wet AMD in India; *Invited Speaker:* Endophthalmitis Kit (E-Kit); *Invited Speaker:* Optimal management of diabetic macular edema; 13-16 April 2012.
- ARVO, Ft Lauderdale, USA – Poster: Endophthalmitis Kit (E-Kit); 6-10 May 2012.
- Retina - Colombo, Sri Lanka - Subthreshold laser in diabetic retinopathy; and Management of venous occlusion- evidence based approach; 9-10 August 2012
- APAO-AIOS, Hyderabad - 2 Engagements: *Invited Faculty:* Advocacy in eye care in India and South East Asia; *Invited Faculty:* Computerized detection of lesions in diabetic retinopathy; January 2013.
- 9<sup>th</sup> General Assembly, IAPB, Hyderabad – *Presentation:* New Technology for image analysis in diabetic retinopathy; 17-20 Sep 2012.
- 7<sup>th</sup> Annual Meeting, Asia Pacific Vitreo Retinal Society, Hong Kong – *Presentation:* Trend of anti VEGF usage in India before and after CATT results; Dec 2012.
- World Ophthalmology Congress, Abu Dhabi - *Invited Speaker:* Pharmacotherapy in wet AMD; 16-20 February 2013.

#### National

- Symposium on Diabetic Retinopathy, Siliguri - *Invited faculty:* Clinical Management of Diabetic Retinopathy; 30 June 2012.
- IERG-ARVO-IC, Hyderabad - *Invited faculty:* Evaluation of an indigenous fundus camera in diabetic retinopathy screening; 28-29 July 2012.
- Retina 2012 - Aravinda Retina Vitreous Institute, Vijayawada - *Invited faculty:* Evolution, Utility and Future Direction of Intravitreal Pharmacotherapy; 5 August 2012.
- RP Center Update, New Delhi - *Invited faculty:* Application of new knowledge and technology in diabetic retinopathy care (Bharat Jha Azad Oration); March 2013
- Uttarakhand Society of Ophthalmology, Annual meeting, Corbett National park - *Invited faculty:* Application of molecular microbiology in management of endophthalmitis (CS Grover Oration); 27-28 October 2012.
- Vitreo Retinal Society of India - *Invited faculty:* EVS Recommendations 1995 vs. 2012, Sohan S Hayerh Oration; Dec 2012.
- Annual Meeting, Andhra Pradesh Society of Ophthalmology, Guntur - Diabetic retinopathy imaging: Is auto detection the future of screening; 12-14 October 2012.
- AVRTT, Ahmedabad - *Invited Speaker:* What can we expect from Eylea and Micropasmin; 17-18 March 2013.

#### Merle Fernandes

##### International

- ARVO, Fort Lauderdale, Florida - *Poster presentation:* Emergence of Pan-drug resistant *Pseudomonas aeruginosa* keratitis as a cause of Microbial keratitis; May 2012
- XXX ESCRS, Milan, Italy - *Chief Instructor for 2 courses:* Pediatric Penetrating Keratoplasty: To do or not to do; & Pediatric cataract surgery: Hard facts about soft cataracts; September 2012.

##### National

- CME, Chennai – *Moderator of Session*, April 2012
- Evidence 2012, Hyderabad – 2 engagements: *Co-instructor*, The Dua Course: Ocular Surface, -Surgical Technique of AMT for Shield ulcer, SJS, chemical injury; & Ant-histaminics or Mast Cell Stabilisers or both; & *Co-chair*, Ocular Surface Session
- APOS, Guntur - 3 engagements: *Chief Instructor*, Controversies in Pediatric Cataract Surgery; *Invited speaker*, Pediatric corneal problems, Pediatric Symposium; *Judge*, Swaroop's Video session; October 2012.
- CME, Rajamundry - *Invited speaker for 2 topics:* Emerging Trends in the Management of Dry Eye; & Differentiating Red Eyes; December 2012
- CME, Visakhapatnam - *Invited speaker*, Maximise Surface Health Prior to Cataract Surgery; January 2013

#### Prashant Garg

##### International

- Asia Pacific Academy of Ophthalmology 2012 in Busan, Korea - *Invited speaker*; 13-16 April 2012
- Annual meeting of Ocular Microbiology Immunology Group - *Chair & speaker*, Microbiology work-up in the diagnosis of Non-contact lens related Acanthamoeba keratitis
- AAO meeting – 2 engagements: *Poster*, Ocular manifestation of Herpes Zoster Ophthalmicus - prospective evaluation at a tertiary care center; & *Chair*, The controversies and dilemmas of managing ocular infectious diseases: point-counterpoint
- APAO-AAO - *Senior instructor of invited course:* Atypical keratitis; *Talk 1:* Introduction of the course classical clinical features of various corneal infections; *Talk 2:* Parasitic infections; *Talk 3:* Infection of suture-less cataract surgery wound

- 3<sup>rd</sup> Asia Cornea Society Meeting, Manila – 3 engagements: *Talk 1:* Multi-drug resistant Pseudomonas Keratitis; *Talk 2:* Quality assurance, training and research in eye banking; *Chair of session on corneal infections*
- 18<sup>th</sup> Annual conference, Kyoto Cornea Club - *Invited speaker*, Microsporidia infection of cornea – a unique and challenging disease
- APAO-AIOS meeting, Hyderabad – 9 engagements: *Invited speaker* and *program committee member* of APAO Conference for Educators - Models of Team and Team training; *Speaker* for an Instruction course: Donor dislocation - prevention and management; *Speaker* in Symposium: Innovation in teaching and learning, *Webinar* – LVPEI experience; *Speaker* in Symposium: Teams in Ophthalmology, *Talk* –Team care and team learning at L V Prasad; *Chair and Speaker* at ICO symposium: Accreditation and certification – best practices, *Talk* –Models of Physician certification; *Invited speaker* at Breakfast Symposium: Basivance – a novel chlorofluoroquinolone, *Talk* –Ocular infection management in India; *Instruction course:* Unusual corneal pathogens – know, learn and treat, *Talk* – Acanthamoeba keratitis – recognize these rings; *Instructor for a wet-lab session* on DSEK; *Chairman of the Hyde Park Session 1*; 16–20 January 2013.
- Symposium ‘Cornea and Refractive Surgery Today’, Tel Aviv - *Invited speaker for 4 Talks:* Lamellar keratoplasty for microbial keratitis; Emerging Challenges of microbial keratitis; Acanthamoeba keratitis – Indian Experience; & Evidence based management of fungal keratitis; 28 February-1 March 2013.

#### National

- Lucknow Ophthalmic Society - *Invited speaker for 2 topics:* Evidence based management of fungal keratitis; & Know your antimicrobials; 14 July 2012.
- Karimnagar Ophthalmic Society - *Invited speaker for 2 topics:* Community management of corneal ulcer; & How to make choice of antibiotics for the treatment of corneal ulcer; 11 August 2012.
- Kolkata Ophthalmic Society - *Invited speaker:* Round table discussion on ocular infections - choosing antibiotic therapy for ocular surface infections and surgical prophylaxis
- Annual Meeting of Eye Bank Association of India, Barakpur, West Bengal - *Invited speaker:* Slit lamp evaluation of donor tissue; 22 September 2012.
- Delhi Ophthalmic Society, Cornea symposium - *Invited speaker for 3 topics:* Parasitic infections of cornea; Therapeutic keratoplasty; & Choice of antibiotics for corneal ulcer management; 23 September 2012.
- Advisory Board Meeting on management of Dry Eye Diseases, Hyderabad – *Presentation:* Dry eye – disease burden and unmet need; 10 February 2013.

#### Usha Gopinathan

##### International

- 9 GA, IAPB, Hyderabad - *Invited Faculty:* Development and Implementation of Quality Assessment Tools for Eye Care Centres in India; 17-20 September, 2012.
- APAO-AIOS, Hyderabad - *Invited Faculty for 3 topics:* Eye Bank Model for Developing Countries; Eye Bank Medical Standards and Accreditation; & Quality Management Implementation – QMI; 17-20 January 2013.

#### National

- Vision 2020: The Right to Sight, India South Zone Members Meet, Hyderabad – Participant: Bringing equity in Eye Care Services; 19 May 2012.

- VISION 2020: The Right to Sight-India, 8<sup>th</sup> Annual General Body, Meeting 35<sup>th</sup> Board, Madurai - *Invited Faculty:* Checklists: Why are they important in getting things right; 21-22 July 2012.
- Organ Retrieval Banking Organisation (ORBO), New Delhi - *Invited Guest* to the Second National Consultation of the series to develop ‘Guidelines for Tissue Donor Screening, Tissue Retrieval and Tissue Tracking’; 18 August 2012.
- 4<sup>th</sup> Annual National CME on Eye Banking of Eye Bank Association of India, Barrackpore, Kolkata - *Invited Faculty:* HCRP: Current Status in India; 22 September, 2012.
- Lions Aravind Institute of Community Ophthalmology (LAICO), Madurai - *Invited Participant:* Systems Thinking for Eye Care Delivery – For Achieving Universal Coverage in Eye Care; 23-25 September, 2012.

#### Vijaya K Gothwal

##### International

- 9 GA, IAPB, Hyderabad – 2 engagements: *Talk:* Rapid-fire presentation, Impact of Retinoblastoma on Family Functioning and Parent Quality of Life in India; & *Poster presentation:* Impact of Visual Impairment on school-going children in India; 17-20 September, 2012.

#### National

- 27<sup>th</sup> Low Vision Awareness Program, Hyderabad - *Course Coordinator and In-house faculty:* 7 April 2012.
- Evidence 2012, Hyderabad - *Invited speaker:* Professional Practice and Technology: Has Technology changed the way we serve individuals with low vision and blindness; 31 May-2 June 2013.
- XX Indian Eye Research Group meeting, ARVO-India Chapter, Hyderabad - *Invited speaker:* Measuring patient's perspectives; 28-29 July 2012.
- 27<sup>th</sup> Low Vision Awareness Program, Hyderabad - *Course Coordinator and In-house faculty:* Modern management of low vision (adults and children); 21 September 2012.
- Eye-PEP 2012, Hyderabad - *Invited speaker:* What is low vision and how do we deal with; 30 September-7 October 2012.

#### Rajat Jain

##### International

- APAO-AIOS, Hyderabad – 2 engagements: *Free Paper:* Anatomical and Visual Outcomes of Descemetopexy in Post-Cataract Surgery Descemet’s Membrane Detachment (first author); & *Poster Presentation:* Clinical outcomes of Corneal Graft Infections caused by multi drug resistant Pseudomonas aeruginosa (first author); January 2013.

#### Subhadra Jalali

##### International

- 5<sup>th</sup> Asia Pacific Vitreoretinal society (APVRS) meeting, Hong Kong - *Invited speaker:* Innovations and refinements in surgical techniques for infantile retinal diseases; 14-16 December, 2012.
- The Third World ROP Meet, China – *Presentation:* Stage 5 ROP: Demographics and clinical profile of patients referred to a tertiary eye care centre in India (first author); 12-14 October 2012.
- 9 GA, IAPB, Hyderabad – *Poster presentation:* Procedures, Successes and Future directions based on more than a decade of ROP operational research: The Indian Twin Cities ROP Study (ITCROPS) experience (first author); 16-20 September 2012.
- Second World Congress of Paediatric Ophthalmology and Strabismus (WCPOS), Milan – 2 engagements: *Invited chairperson and speaker* to in the electrophysiology section, *Talk:* What can we learn about neuroretinal development based on ERG in regressed

ROP; *Invited speaker to Paediatric retina symposium: Paediatric retinal dystrophies: an overview;* 5-10 September 2012.

- APAO-AIOS, Hyderabad - *6 engagements: Presentation:* Preferred practice Patterns: Familial exudative vitreoretinopathy; *Presentation:* Familial exudative vitreoretinopathy; Paediatric retina symposium; *Instruction course:* Electrophysiology: Ocular imaging; *Post-graduate teaching course:* Evaluation of a patient with unexplained visual loss; *Video-assisted training in surgical retina:* Neonatal and infantile retinal surgical techniques; *Video presentation:* Neonatal and infantile retinal surgical techniques; 17-20 January 2013.

#### National

- District Eye hospital, Sanga Reddy - *Presentation:* Importance of ROP screening and launching ROP and NES Program under NRHM; 12 March 2013.
- District Eye hospital, Mehboobnagar - *Presentation:* Importance of ROP screening and launching ROP and NES Program under NRHM; 4 January 2013.
- District Eye hospital, Khammam - *Presentation:* Importance of ROP screening and launching ROP and NES Program under NRHM; 15 March 2013.
- District Eye hospital, Adilabad - *Presentation:* Importance of ROP screening and launching ROP and NES Program under NRHM; 15 February 2013.
- District Eye hospital, Karimnagar - *Presentation:* Importance of ROP screening and launching ROP and NES Program under NRHM; 22 March 2013.
- District Eye hospital, Nizamabad - *Presentation:* Importance of ROP screening and launching ROP and NES Program under NRHM; 19 April 2013.
- District Eye hospital, Nalgonda - *Presentation:* Importance of ROP screening and launching ROP and NES Program under NRHM; 22 February 2013.
- Ophthalmic Anaesthesia Conference, Indian Society of Anaesthesiologists, Hyderabad - *Invited speaker:* Neonatal vision and issues in anaesthesia from Ophthalmologists perspective; 7 April 2013.
- 7<sup>th</sup> Founders' Day, Advanced Eye Centre, PGI Chandigarh - *Dr. N D Lakhanpal Memorial Lecture:* Non-ROP Neonatal Retinal diseases; 8 March 2013.
- Indian Medical Association (IMA), Hyderabad - *Dr. S N Mathur Memorial lecture:* Newborn eye screening and Retinopathy of Prematurity; 16 March 2013.
- Indo-US Science and Technology Forum, Novel Tools and Themes in Vision Sciences, Hyderabad - *Presentation:* Challenges in paediatric vision neurosciences; 21-22 January 2013.
- Regional Eye hospital, Warangal - *Presentation:* Importance of ROP screening and launching ROP and NES Program under NRHM; 18 December 2012.
- Indian Association of Paediatrics, Hyderabad - *Dr. B B Jha Oration* of the National Neonatology Chapter: The Indian Twin Cities ROP study (ITCROPS): Lessons learnt in our 15 years journey from journals to cribs; 4 November 2012.
- Second National seminar by Sight Savers International to set-up nodal training centres on ROP, AIIMS, New Delhi - *Invited expert:* Experiences in training programs for ROP. Invited as an expert to second, 28-29 July 2012.
- Aravind Eye Hospitals, Madurai - *Invited speaker to Grand Rounds:* Dos and Donts of ROP management; 19 July 2012.
- Aravind Eye Hospitals, Madurai - *Invited speaker:* Variations and Interpretation of ERG; 19 July 2012.
- First Bangalore Ophthalmological Society meeting BOS-Summit 2012, Bangalore - *2 engagements: Invited speaker:* Posterior segment complications of cataract surgery; & *Invited panelist:*

Lucentis versus Avastin and Macugen in adults and babies - Role of anti-VEGF in Ophthalmology; 24 June 2012.

- Evidence 2012, Hyderabad - *3 engagements: Presentation:* The art of communication to parents and children: From evidence to Practice; *Presentation:* Neonatal endogenous endophthalmitis-protocol based management strategies; *Presentation:* Surgical principles and videos for neonatal vitreoretinal surgeries; 31 May 31- 3 June 2012.

#### Parthasarathi Kalaiselvan

##### International

- 9 GA, IAPB, Hyderabad - *2 Poster presentations:* Visual rehabilitation with rigid gas permeable contact lens in post lasikkeratctasia (first author); Barriers to refractive error service in Sri Lanka from eyecare providers' perspective (first author); 17-20 September 2012.
- APAO-AIOS, Hyderabad - *E-Poster presentation:* Correlation between examiners performing corneal topography and pachymetry indices using OrbscanIIz corneal topography system in keratoconus (first author); 17-20 January 2013.

#### National

- 48<sup>th</sup> Indian Contact Lens Education Program (ICLEP), Hyderabad - *In-house faculty:* 30 June-2 July 2012.
- 49<sup>th</sup> Indian Contact Lens Education Program (ICLEP), Hyderabad - *In-house faculty:* 5-9 December 2012.
- Indian Eye Research Group (IERG)-ARVO - India Chapter 20<sup>th</sup> Annual Meeting, Hyderabad - *Paper presentation:* Spherical rigid gas permeable contact lens management in post radial keratotomy (first author); 28-29 July 2012.
- Eye PEP 2012, Hyderabad - *In-house faculty:* 31 September-7 October 2012.
- The 12<sup>th</sup> Dr E Vaithilingam Memorial Scientific Session, Chennai - *Paper presentation:* Intra and Inter-Observer Repeatability of Corneal Topography and Pachymetry Indices in Keratoconus using OrbscanIIz Corneal Topography System (first author); 12 March 2013.

#### Chitra Kannabiran

##### International

- APAO-AIOS Annual Meeting, Hyderabad - *2 engagements: Chair & invited speaker:* Symposium on eye genetics; & Faculty, instruction course: Genetics in Ophthalmology; 17-20 January 2013.

#### Sarita Kar

##### National

- Indian Eye Research Group - ARVO - India Chapter, 20<sup>th</sup> Annual Meeting, Hyderabad - *Poster Presentation:* Methicillin Resistance and Antibiogram of Staphylococcal isolates from ocular infections and healthy normal conjunctiva (first author); 28-29 July 2012.
- Indian Association of Medical Microbiologists - Odisha Chapter, 6<sup>th</sup> Annual Meeting, Bhubaneswar - *Poster Presentation:* Prevalence of methicillin resistance among staphylococci isolated from ocular infections and healthy normal conjunctiva and their antibiogram (first author); 12 August 2012.

#### Inderjeet Kaur

##### International

- 28<sup>th</sup> APAO Congress, Hyderabad - *Invited talk:* Genetics of Retinopathy of Prematurity; 17-20 January 2013.
- ARVO meeting - *2 Poster presentations:* Genetic Screening of Tspan12, Ndp and Fzd4 Genes in Indian Patients with Retinopathy of Prematurity; & Quantitative Analysis of Vitreous

Humor Reveals Distinct Protein Profiles in Patients with Retinopathy of Prematurity.

#### National

- Evidence 2012, Hyderabad - *Invited talk*: Immunobiology of age related macular degeneration; 31 May 31- 3 June 2012.
- IERG-ARVO-IC 2012, Hyderabad - *Organizer*; 27-28 July 2012
- Overcoming Boundaries: A Common Vision for Translational Eye Research, Hyderabad - *Moderator* for session; 31 October - 2 November 2012.
- Indo-US Science Technology Forum, Hyderabad - *Moderator* for a session on Biology of Retina
- 6<sup>th</sup> International Conf-GMDMM13-VMRC, Hyderabad - *Invited talk*: Biomarkers for Retinopathy of Prematurity: a potentially blinding disorder in premature babies; February 2013.

#### Ramesh Kekunnaya

#### International

- AAPOS 2012 annual meeting, San Antonio, USA – 5 engagements: *Workshop/Symposium*: Extra-large Strabismus Surgical Management; *Workshop/Symposium*: Non-Strabismus Case Session: Case presentation; *Workshop/Symposium*: What's New in Pediatric Ophthalmology in 2012; *Oral Paper*: Analysis of prediction error of IOL in children less than 2 years; 25-28 March 2012.
- 2<sup>nd</sup> World Congress of Pediatric Ophthalmology & Strabismus, Milan, Italy - *Member*, Organizing Committee; *Presentation*: Visual outcome of pediatric cataract surgery in children less than 6 months; *Session Chair*: Strabismus Techniques; *Workshop Instructor*: Strabismus surgery and capsulotomy course; *Presentation*: Strabismus surgery under topical anesthesia Sep 7-9, 2012,
- ESCRS 2012, Milan, Italy - *Invited speaker/panelist*: Main symposium on cataract and refractive surgery in children
- Research collaborative meeting with Neuroscience team, University of Hamburg, Germany - *Guest lecture*: Visual rehabilitation after pediatric cataract surgery.
- AAO Annual Meeting 2012, Chicago – 5 engagements: *Instruction course*: Nightmares in Pediatric Cataract surgery; *Instruction course*: What's new in Pediatric Ophthalmology & Strabismus; *Paper*: Secondary IOL implantation: A decade long analysis of visual outcome and safety; *Video*: Evaluation of Nystagmus; & *Video*: Management of challenging Pediatric cataract cases; 9-13 November 2012.
- ISO 2012 meeting, Hongkong – 3 engagements: *Session Chair*: Restrictive strabismus; *Invited Speaker*: Challenges in the management of pediatric cataract in developing countries; *Invited Speaker*: Myopic strabismus fixus; 14-16 December 2012.
- APAO AIOS meeting, Hyderabad – 7 engagements: *Invited Speaker*: Surgical options for Duane syndrome; *Invited Speaker*: Evaluation of disc edema: Papilloedema; *Invited Speaker*: Pediatric Cataract: Infant cataract surgery; *Invited Speaker*: Congenital optic disc anomalies; *Invited Speaker*: Practical pearls in infantile esotropia; *Paper*: Modified loop myopexy: Surgical outcomes; *Case presentation*: Neuroophthalmology symposium; 17-20 January 2013.
- World through child's eye: Pediatric Ophthalmology Symposium, Children's Hospital, University of Pittsburgh Medical Center, Pittsburgh - *Invited talk*: No way it's in my muscle; 8 November 2012.

#### National

- DOS Annual Conference, New Delhi - *Invited faculty/ Moderator*: Strabismus Surgery Session: Inferior Oblique Surgery; 6-8 April 2012.

- CME in Pediatric Ophthalmology, Wankaner, Gujarat – 3 *Presentations*: Recent advances in strabismus; Lessons learnt from imaging in strabismus; & Pediatric cataract: challenges; 1 July 2012.
- Focus 2012, Bombay Ophthalmic Association annual meeting, Mumbai – 3 *engagements*: *Invited talk*: Pediatric cataract session: Pediatric cataract challenges; *Invited talk*: Pediatric ophthalmology session: Hemostasis and topical anaesthesia for strabismus surgery; *Chair*: Pediatric ophthalmology session: interesting cases; 4 August 2012.
- CME on Pediatric cataract surgery, Mangalore - *Invited faculty for 5 topics*: Biometry, IOL choice in children; vision rehabilitation and amblyopia management; Pediatric cataract challenges; Surgery in special situations; & Interactive session; 28 August 2012.
- Cataract Surgery CME, Giridhar Eye Institute, Cochin – 2 *Presentations*: Biometry and IOL selection in children; & Current techniques of Pediatric Cataract surgery; 15-16 September 2012.
- AIOS Post graduate education program, Nagpur – 3 *Invited talks*: Evaluation of Strabismus Case; Management of complex strabismus; & Strabismus surgery; 30 September 2012.
- Harmony 2012, Pediatric Ophthalmology CME, Moradabad – 4 *engagements*: *Invited speaker*: Surgical options for 6<sup>th</sup> nerve palsy; *Invited speaker*: Surgical options for pediatric cataract surgery; *Invited speaker*: DVD: Diagnosis & Management; *Invited speaker*: IO weakening procedure; 22-23 December 2012.
- APAWMR (Andhra Pradesh association for the welfare of the mentally retarded) meeting, Hyderabad – *Invited speaker*: Evaluation of vision in children with visual impairment; 9 February 2013.
- National conference on early intervention, NIMH, Hyderabad - *Invited speaker*: Evaluation of vision in children with multiple disabilities; 8-9 March 2012.
- Annual APOS meeting, Guntur – 6 *engagements*: *Presentation*: Management of 6<sup>th</sup> nerve palsy; *Presentation*: Evaluation of disc edema case; *Presentation*: Pediatric Cataract: Challenges; *Presentation*: Congenital optic disc anomalies; *Presentation*: Concepts of amblyopia; *Paper*: Modified loop myopexy: surgical outcomes; 14-17 October 2012.

#### Rohit Khanna

#### International

- Indonesian Association of Ophthalmology, West Java region – 3 *Invited talks*: How to screen for refractive error in the community; How to increase cataract surgical rates; & Diabetes Eye Care Service Delivery: LVPEI Eye Health Pyramid; 31 March - 1 April 2012
- APAO-AIOS, Hyderabad - *Invited talk*: Prevention of Blindness Symposium on Financing of ophthalmic service in the Asia-Pacific area; Topic: Financial Sustainability and Capacity Building in Community Vision Centers: A Multi Faceted Approach; 18 January 2012.
- ARVO, Fort Lauderdale, USA - *Poster Presentation*: Cataract, visual impairment, blindness and risk of mortality in the rural sample of the Andhra Pradesh Eye Disease Study (APEDS), India at 10-13 years follow up (first author); 6-10 May 2012.
- 9 GA, IAPB, Hyderabad - *Presentation*: Impact of routine monitoring of cataract surgery in rural hospitals in Andhra Pradesh, India; *Presentation*: Validation of referral pattern and diagnosis of eye diseases by Vision Technicians (VT) against an ophthalmologist at Vision Centres (VC) in rural India; 17-20 September 2012.

#### National

- Evidence 2012, Hyderabad – *Invited talk*: Training and Career

### Opportunities and Caring for the Underprivileged

- VISION 2020 workshop, Sankara Nethralaya, Chennai - *Invited talk:* Media & its role in elimination of avoidable blindness; Topic: Burden and Challenges of avoidable blindness in India: an overview, 10 December 2012.

### Jyothi Korani

#### International

- 9 GA, IAPB, Hyderabad - *Presentation:* Utilizing school teachers for addressing visual impairment for school screening sustainability; 17-20 September 2012.

### S. Krishnaiah

#### International

- Asia Pacific Academy of Ophthalmology (APAO) Congress 2012, Busan, South Korea - *Invited Speaker:* Nutrition and AMD; 13-16 April 2012.

### National

- IERG, Hyderabad - *Oral presentation:* Modeling the Risk of Age Related Macular Degeneration & its Predictive Comparisons in a Population in South India; 28-29 July 2012.
- World Breast Feeding Conference, New Delhi - *Poster Presentation:* Awareness about breast feeding practices and vitamin A deficiency among mothers in Srikakulam district of Andhra Pradesh, South India; 6-9 December 2012.

### Addepalli Uday Kumar

#### International

- 9 GA, IAPB, Hyderabad - *Presentation:* Agreement between glaucoma specialists and optometrists in gonioscopy and optic disc assessment; 17-20 September 2012.

### Savitri Maddileti

#### National

- 20<sup>th</sup> Annual Meeting of the Indian Eye Research Group (IERG), Hyderabad - *Poster presentation:* In vivo survival and proliferation of cultured limbal epithelial cells transplanted from plasma polymer-coated contact lenses (first author); 28-29 July 2012.

### Anil K Mandal

#### National

- Evidence 2012, Hyderabad - 5 engagements: *Invited faculty:* Live surgical demonstration of Combined Trabeculotomy-Trabeculectomy on a 6 month old child presented with congenital glaucoma; *Oral presentation:* Holistic care for Children with Glaucoma; *Oral presentation:* Trabeculectomy – Complications and Management; *Panelist:* Diagnosis of Pediatric Glaucoma; & *Panelist:* Surgical Management of Pediatric Glaucoma; 31 May – 3 June 2012.
- Glaucoma Update, Bhubaneshwar - *In house faculty for 2 topics:* How can you improve the outcome of Trabeculectomy; & Recent advances in the management of Developmental Glaucoma; 21-22 July 2012.
- 20<sup>th</sup> Annual Meeting of the Indian Eye Research Group (IERG), Hyderabad - *Presentation:* A twenty-year follow-up study of Primary Developmental Glaucoma (PDG): The LVPEI experience; 28-29 July 2012.
- Delhi Ophthalmological Society - *Invited faculty* for subspecialty workshop on glaucoma: Management of pediatric glaucoma; 5 August 2012.
- Hyderabad Ophthalmologist's Association – *Invited faculty for 2 topics:* Role of CAI in the management of adult and pediatric glaucoma; & Improving outcomes in Trabeculectomy; 19 August 2012.

- CME on behalf of National Rural Health Mission, Hyderabad - *In house faculty:* Glaucoma in infants; 25 September 2012.

- EYE-Pep 2012, Hyderabad - *In house faculty for 2 topics:* Trabeculectomy that works; & Developmental Glaucoma; 30 September – 7 October 2012.

- 22<sup>nd</sup> Annual Conference of the Glaucoma Society of India, Glaucons 2012, Coimbatore - *Invited faculty:* Advances in the surgical treatment of congenital glaucoma; 5-7 October 2012.

- APAO-AIOS, Hyderabad - 3 engagements: *Instruction course:* The Developmental Glaucomas: Diagnosis and Management; *Co-chairperson for symposium:* The optic nerve head complex; *Video presentation:* Management of congenital glaucoma associated with sticker syndrome; 17-20 January 2013.

- Glaucoma Basic Masters Course, Vijayawada - *In house faculty for 3 topics:* Techniques of trabeculectomy and combined cataract and glaucoma surgery; Management of complications of glaucoma filtering surgery; & How to evaluate and manage childhood glaucoma; 17 March 2013.

### Preeji Mandathara

#### International

- 9 GA, IAPB, Hyderabad - *Poster presentation:* Visual rehabilitation in ectatic cornea following corneal collagen cross linking (first author); 16-20 September 2012.
- APAO-AIOS, Hyderabad - *Poster presentation:* The effect of corneal collagen cross linking on contact lens fitting (first author); 17-20 January 2013.

### National

- IERG (Indian Eye Research Group) meeting, Hyderabad - *Poster presentation:* Scleral contact lenses in the management of patients who had unsuccessful refractive surgery (first author); 28-29 July 2012.
- Evidence 2012, Hyderabad - *Invited speaker:* Management of complex refractive errors; 31 May – 3 June 2012.
- Dr E Vaithilingam Memorial Scientific Session, Chennai - *Best Paper Award, Contact Lens Session:* The effect of corneal collagen cross linking on contact lens fitting (first author); 12 March 2013.

### Indumathi Mariappan

#### National

- Faculty Development Program on Stem Cells, School of Biosciences and Technology (SBST), VIT University, Vellore - *Invited talk:* Stem cells for regenerative medicine: Current perspectives and future challenges; 4 October 2012.
- Indo-US Science and Technology Forum on “Novel tools and themes in vision sciences, Hyderabad - *Invited talk:* Cell therapy for retinal regeneration: A possibility or myth; 21-22 January 2012.
- 36<sup>th</sup> All India Cell Biology Conference, Bhabha Atomic Research Centre (BARC), Mumbai - *Poster Presentation:* Derivation of retinal cells from human embryonic stem cells (first author); 17-19 October 2012.

### Srinivas Marmamula

#### National

- Evidence 2012, Hyderabad - *Invited talk:* Service Delivery Models for Refractive Errors and Presbyopia

### Annie Mathai

#### International

- APAO-AIOS, Hyderabad - 2 *Instruction courses:* Posterior segment inflammatory diseases; Management of sight threatening uveitis; 17-20 January 2013.

**National**

- Evidence 2012, Hyderabad - *Instruction course*: Infectious uveitis; 31 May-2 June 2012.
- Retina CME, LVPEI, Hyderabad - *Speaker and Panelist*: Retinal Vein Occlusions; 2 September.
- Andhra Pradesh Ophthalmic Society, Guntur – *3 Engagements: Invited speaker*: Symposium on AMD; *Instruction course*: Infectious uveitis; *Instruction course*: Diabetic Retinopathy; 12-14 October 2012.
- Eye India 2012 Conference, H V Desai Eye Hospital, Pune - *Invited faculty*; 3-4 November 2012.
- USI meeting, Bhubaneswar - *Invited faculty*: 1-2 December 2012.
- Retnet teaching program for PGs, Anand Eye Institute, Hyderabad - *Invited faculty*: 2-3 March 2013.
- CME on Uveitis, Hyderabad Ophthalmic Association, Hyderabad - *Invited faculty and session chair*; 24 March 2013.

**Ruchi Mittal****National**

- Evidence 2012, Hyderabad – *Faculty*: What happens when the pathologist misses the bus; 31 May – 3 June 03.
- Eye Pep-2012, Hyderabad – *4 Presentations*: Basic Techniques in ocular pathology; Pathology of Ocular surface; Pathology of Uvea and Retina; & Pathology of Orbit and Adnexa; 30 September – 3 October 2012.
- Twin Cities Meet, Bhubaneswar – *Presentation*: Challenges in Ophthalmic Pathology; 15 November 2012.

**Ashik Mohamed****International**

- The 28<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress APAO-AIOS 2013, Hyderabad – *E-Poster*: Endothelial Keratoplasty: a review of indications at a tertiary eye care center in South-India (first author); 17-20 January 2013.
- 9GA, International Agency for the Prevention of Blindness (IAPB), Hyderabad – *Poster presentation*: Endothelial Keratoplasty: a review of indications at a tertiary eye care center in South India (first author); 17-20 September 2012.
- XX Biennial Meeting of the International Society for Eye Research (ISER), Berlin, Germany – *Poster presentation*: Ultrastructure of a Human Developmental Cataract: Preliminary Observations (first author); 21-25 July 2012.

**National**

- Indian Eye Research Group (IERG)-ARVO – India Chapter 20<sup>th</sup> Annual Meeting, Hyderabad – *Poster presentation*: Ultrastructure of a Human Developmental Cataract: Preliminary Observations (first author); 28-29 July 2012.

**Neha Mohan****International**

- APAO-AIOS, Hyderabad-*Poster Presentation*: Clinicomicrobiologic profile of explanted scleral buckles; January 2013

**Shashi Mohan****National**

- VISION 2020 India AGM Meeting, Madurai - *Invited talk*: Understanding the requirements and considerations in establishing vision centres.

**Bikash Chandra Mohanta****International**

- 9 GA, IAPB, Hyderabad - *Poster Presentation*: Eye Healthcare

seeking behaviour of the rural elderly in Mayurbhanj district of Odisha- an exploratory study; 17-20 September 2012.

**Sirajum Monira****National**

- IERG-ARVO, Hyderabad - *Poster Presentation*: Preference of low vision devices in advanced juvenile and adult primary open angle glaucoma patients in a tertiary eye care center in eastern India (first author); 28-29 July 2012.

**Somasheila Murthy****International**

- 3<sup>rd</sup> EuCornea meeting and 30<sup>th</sup> Congress of the European Society of Cataract and refractive surgeons meeting, Milan, Italy - *3 posters and 2 free paper presentations*; 8-13 September 2012.
- APAO-AIOS, Hyderabad – *3 engagements*: *Free paper, Poster presentation, invited talk in instruction course on ocular pathology*; 17- 20 January 2012.

**National**

- Evidence 2012, Hyderabad - *Invited speaker*: Fuch's endothelial Uveitis, Pediatric Uveitis and Non-negotiable concepts in Quality eye care; 31 May – 3 June 2012.
- Indian Eye Research Group-ARVO-India Chapter, 20<sup>th</sup> Annual Meeting, Hyderabad - *Paper presentation*: Safety and efficacy of a new technique in refractive surgery: Femtosecond Lenticule Extraction (FLEEx) used of the correction of myopia: 3-month results; *Four posters presented*; 28-29 July 2012.
- Hyderabad Ophthalmology Association quarterly CME – *Presentation*: Medical management of infectious keratitis, Corneal wound construction: blade versus laser; 15 April 2012.
- Eye PEP 2012, Hyderabad - *Faculty*, multiple talks; 3 October 2012.
- CME on Uveitis and Keratitis, Khammam Ophthalmology Association - *Invited faculty*; 26 August 2012.
- Hyderabad Ophthalmology Association quarterly CME - *Invited speaker*: recurrent anterior uveitis; August 2012.
- CME for PG students, Sarojini Devi Eye Hospital, Hyderabad - *Invited faculty*: talks on uveitis; 15 September 2012.
- Eye Education annual meeting, Eyedu Foundation - *Invited faculty*, five participations: 23 September 2012.
- User's meeting on multifocal intraocular lenses: conducted by ALCON Inc, *Invited speaker*; 30 September 2012.
- Karnataka Ophthalmological Society annual meeting, Bijapur - *Invited speaker*; 3-4 November 2012.
- Eye Education CME, Eyedu Foundation, Guwahati - *Invited speaker*; 25-26 November 2012.
- 12<sup>th</sup> annual meeting of the Uveitis Society of India (USI), Bhubaneswar - *Invited faculty*; 1-2 December 2012.
- National meeting, Update on Keratoconus, Narayana Nethralaya, Bangalore - *Invited speaker*; 15-16 December 2012.
- Hyderabad Ophthalmology Association quarterly CME – *Speaker and organizer*: Uveitis and ocular inflammation; 22 March 2013.

**Milind Naik****International**

- Nottingham Eye Symposium, Nottingham, UK - *Invited faculty*; 27 January 2012.
- World Ophthalmology Congress, Abu Dhabi - *Invited faculty*; 15-19 February 2012.
- Annual Meeting of the Asia Pacific Society of Ophthalmic Plastic & Reconstructive Surgery, Singapore - *Invited faculty*; 24-26 August 2012.

- World Congress of Paediatric Ophthalmology & Strabismus, Milan, Italy - *Invited Faculty*: 6-8 September; 2012.

#### National

- All India Ophthalmological Society, Annual Meeting - 2-5 February 2012.
- Fusion 2012, Hyderabad - *Organizer and Faculty*; 12-14 February 2012.
- Oculoplasty CME, Vasan Eye Care, Bangalore - *Invited faculty*; 15 July 2012.
- Bombay Ophthalmological Society, Annual Meeting, Mumbai - *Invited faculty*; 3-5 August 2012.
- Oculoplasty CME, Poona Ophthalmological Society, Pune - *Invited faculty*; 4 March 2013.

#### Raja Narayanan

#### International

- Indian AMD Meet, Dubai - *Presentation*: Management of IPCV; July 2012,
- APAO-AIOS joint meeting, Hyderabad - *Presentation*: Combination treatment in AMD; Jan 2013.

#### National

- Evidence 2012, Hyderabad - 2 *Presentations*: Non-responders in ARMD; & Mactel; June 2012.
- VRSI Annual Meeting, Guwahati - 3 *Presentations*: Management of retinal vein occlusions; Retinal Angiomatous Proliferation; & Management of IPCV; December 2012.

#### Rajeev R Pappuru

#### International

- APAO-AIOS, Hyderabad - 4 *Presentations*: IC on OCT; IC on Uveitis Masquerade Syndrome; Surgical management of ocular complications in AIDS; SD OCT; 17-20 January 2013.

#### National

- Evidence 2012, Hyderabad - *Instruction course*: Endogenous endophthalmitis; 31 May-3 June 2012
- CME, Cochin - 2 *Presentations*: Fundus Autofluorescence; Newer frontiers in Oct Imaging; 15 July 2012.
- RetNet Meeting, Cochin - *Presentation*: Secondary adenocarcinoma; 21 July 2012.
- Retina CME, LVPEI, Hyderabad - *Presentation*: Chronic Central Serous retinopathy, 2 September 2012.
- APOC, Guntur - 3 *Presentations*: Chorioretinal biopsy in Uveitis; Surgical management of diabetic macular edema; Treatment for recalcitrant CNVM; 12-13 October 2012.

#### Avinash Pathengay

#### International

- ARVO, Fort Lauderdale, Florida, USA - *Poster presentation*: Polymicrobial endophthalmitis; May 2012.
- APAO-AIOS, Hyderabad - *Instruction course* on Endophthalmitis; 17-20 January 2012.

#### National

- Evidence 2012, Hyderabad - 2 *Engagements*: *Invited speaker*: Ocular Toxoplasmosis; *Invited speaker*: Prophylaxis following intravitreal antiVEGF injections; June, 2012
- SN Alumni meet, Chennai - *Invited speaker*: Controversies in the management of endophthalmitis; 1 July 2012.
- Fourth RETNETINDIA meet - *Moderator and Chairperson*; 21-22 July 2012.

- Focus 2012 Meet, Mumbai - 2 *Engagements*: *Invited speaker*: Acute retinal necrosis: Controversies and management; *Invited speaker*: Practical tips in the management of Ocular toxoplasmosis; 3-5 August 2012.
- APSOS, Guntur - *Instruction course*: Intravitreal injection; 12-14 October 2012.
- Immunology meeting, Visakhapatnam - *Invited speaker*: Eye in rheumatic disease; November 2012.
- DUSN, VRSI, Guwahati - *Invited speaker*; 6-8 December 2012.
- Junior RETNETINDIA Meet - *Moderator*; 1 March 2013.
- Hyderabad Ophthalmic Association - *Invited speaker*: Uveitis and ocular inflammation; 24 March 2013.

#### Niranjan K Pehera

#### International

- APAO-AIOS, Hyderabad - 4 *Engagements*: *Paper*: Cognitive visual dysfunction in children with cerebral visual impairment: a tool for assessment; *Poster*: Intracranial tumor being misdiagnosed as amblyopia- 3 cases; *Video*: a. Assessment of vision in children; *Video*: Dealing with strabismus in high myopia; January 2013.

#### National

- Evidence 2012, Hyderabad - 5 *Presentations* as co-instructor for instruction courses: Assessment of vision in children; Strabismus due to neuromuscular disorders; Neonatal endogenous endophthalmitis; Long term outcomes of surgery for intermittent exotropia; Inferior oblique myectomy versus inferior oblique recession; 31 May-2 June 2012.
- Eye-PEP 2012, Hyderabad - 3 *presentations*: Localization of lesion in neuro-ophthalmic disorders; Paralytic strabismus; How to learn and pass exams too; 31 September-7 October 2012.
- Eye Update, CME 2012, Latur, Maharashtra - 10 *presentations*: Prescribing glasses in children; Trends in amblyopia management; Basics of squint evaluation; Overview of esotropia; Management of exotropia; Demystifying head tilt; Complex strabismus; Basics of extraocular muscle recession and resection; Complications of squint surgery; Improving outcomes of squint surgery; 19 August 2012.
- CME: Pediatric cataract update, Vijayawada Academy of Ophthalmology, Vijayawada - *Presentation*: Preoperative evaluation of a child with cataract; 30 September 2012.
- Annual state conference of Indian Academy of Pediatrics, Vijayawada - *Invited guest lecture*: *Presentation*: Eye examination in a busy pediatrician's clinic; 10 November 10 2012.
- CME: Oculoplasty update, Vijayawada Academy of Ophthalmology, Vijayawada - 2 *presentations*: Essentials of congenital nasolacrimal duct obstruction; Day-to-day oculoplasty disorder in children; 30 December 2012.

#### Giridhar Pyda

#### International

- 9 GA, IAPB, Hyderabad - *Presentation*: Addressing equity through Community Assisted and Financed Eye Care (CAFE) (first author); 17-20 September 2012.

#### National

- IERG- Indian Eye Research Group, 20<sup>th</sup> Annual Meeting, Hyderabad - *Presentation*: Addressing equity through Community Assisted and Financed Eye Care (CAFE); 28-29 July 2012.

#### V Rajashekhar

#### National

- VISION 2020 India AGM Meeting, Madurai - *Invited talk*: Video on ICARE Vision centre model

**Brinda Ramachandran****International**

- 9 GA, IAPB, Hyderabad - *Presentation*: A prospective study to report the impact of consent on cornea retrieval; 17-20 September 2012.
- APAO – AIOS Congress, Hyderabad - *Invited speaker*: 2 topics: DSEK – the role of the eye bank; & Managing performance with metrics; 17-20 January 2013

**National**

- 4<sup>th</sup> National Eye Bank CME, Barrackpore, Kolkata – *Presentation*: Donor cornea distribution & shipping, record keeping & data management; 22-23 September 2012.

**Charanya Ramachandran****International**

- ARVO, Ft Lauderdale, Florida, USA – Comparison of limbal stem cell growth on a synthetic polymer scaffold and human amniotic membrane (first author).

**National**

- AICB, Mumbai - Limbal stem cell culture on a synthetic polymer scaffold and human amniotic membrane (first author).
- IERG 2012, Hyderabad – Comparison of epithelial cell growth on a synthetic polymer scaffold and human amniotic membrane (first author).
- 36<sup>th</sup> All India Cell Biology Conference, BARC, Mumbai – Poster presentation: Comparison of limbal epithelial cell growth on a synthetic polymer scaffold and human amniotic membrane (first author); 17-19 October 2012.
- 20<sup>th</sup> Annual Meeting of the Indian Eye Research Group (IERG), Hyderabad - *Poster presentation*: Comparison of limbal epithelial cell growth on a synthetic polymer scaffold and human amniotic membrane (first author); 28-29 July 2012.

**Muralidhar Ramappa****International**

- AAO 2012 meeting – Chicago, USA – 7 engagements: *Instruction course*: Nightmares in pediatric cataract; *Poster presentation*: Deep Anterior Lamellar Keratoplasty (DALK) in children of amblyogenic age group: Indications, Surgical Challenges and Outcomes; *Poster presentation*: Outcomes of secondary intraocular lens implantation (IOL) in aphakic children: a five-year experience at a tertiary care center; *Poster presentation*: Outcomes of keratoplasty by using pediatric donor cornea less than 3 years of age; *Poster presentation*: Comparative outcomes of endothelial keratoplasty (EK) with or without stripping Descemet's membrane (DM); *Poster presentation*: Therapeutic penetrating keratoplasty (TPK) for the non-resolving infective keratitis (IK) in HIV sero-positive cohort: A 5-year experience at a tertiary eye care center; *Video presentation*: Moonlight Phacoemulsification in a case of corneal haze due to stromal dystrophy.
- ASCRS 2013, San Francisco, USA – 4 engagements: *Free paper*: Re-Interventions For Any IOL Placed In Childhood: Indications, Intraoperative Challenges And Outcomes; *Poster presentation*: Congenital corneal keloid in a pediatric age group: A clinical and histopathological correlation after successful Deep Anterior Lamellar Keratoplasty (DALK); *Poster presentation*: Spontaneously detached descemet membrane in axenfeld Reiger anomaly managed using Intracameral (c3f8) injection; Clinical outcomes of Descemet stripping automated endothelial keratoplasty in Irido corneal endothelial syndrome.

**Padmaja Rani****International**

- Retina Association Meeting, Colombo, Sri Lanka – 2 *Invited talks*: Epidemiology and screening of Diabetic Retinopathy; & Retinopathy of Prematurity: Medical Management.
- 9 GA, IAPB, Hyderabad - *Invited talk*: Integrating Primary Eye Care and Primary Health
- APAO-AIOS 2013, Hyderabad – *Poster Presentation*: Study of electroretinogram (ERG) in children with regressed retinopathy of prematurity (ROP) (first author); 17-20 January 2013.
- World ROP Congress, Shanghai, China - 2 *engagements*: *Invited talk*: Indian Twin cites ROP Screening Program; *Poster presentation*: Demographic and clinical Profile of Stage V ROP patients referred to a Tertiary eye care Unit, South India; 14-16 October 2012.

**National**

- Evidence 2012, Hyderabad - *Invited talk*: Literature review of laser treatment protocols for ROP

**Abhishek Ranjan****International**

- APAO-AIOS, Hyderabad - *Free paper*: Donor and tissue profile of a community eye bank in eastern India;

**Aparna Rao****International**

- APAO-AIOS, Hyderabad - *E-Poster*: Normotensive pseudoexfoliation glaucoma new phenotype (first author); January 2013.

**National**

- Glaucoma Update, Vijayawada – 2 *engagements*: Imaging in glaucoma; & Ahmed glaucoma valve March 2013.
- OSOCON, Puri - Invited Faculty: Optic disc evaluation in glaucoma; December 2012.
- Glaucoma Society of India, Coimbatore - *Invited Faculty*: Gonioscopy-types and techniques; October 2012.

**Gullapalli N Rao****International**

- International Study Meeting, Pontifical Council for Health Care Workers in collaboration with Christian Missions for the Blind in the World (CBM – Italia), Vatican City - Non-Sighted People: 'Master I Want to See', *Session Moderator, Round Table*: NGOS: Protagonists in the fight against avoidable blindness; 2-5 May 2012.
- ARVO Annual Meeting, Fort Lauderdale, Florida, USA – *Invited talks, 2 Sessions* – *Session*: Building an Enduring Vision Research Enterprise - A Tribute to Carl Kupfer, Topic: Building International Partnerships; & *Session*: Advocacy and Fund Raising for Vision Research, Topic: LVPEI Research Experience; 6-10 May 2012.
- 9<sup>th</sup> General Assembly, IAPB, Hyderabad – 3 *Invited talks*: Session - Eye Care for Everyone in India: Success Stories, Topic: Community Ophthalmology: Reach the Unreached, LVPEI Model; Eye Health in the developing World; & Subspecialty Training; 17-20 September 2012.
- Asia Cornea Society Meeting, Manila, Philippines - *Plenary speaker*: Global corneal blindness: Can we tackle it effectively; 28-29 November 2012.
- Johns Hopkins Carey Business School, Baltimore, USA – *Invited talk*: LVPEI: Paying and Non Paying Patients, Pricing Policy; 27 February 2013.

**National**

- Dr. Y. Nayudamma Memorial Lecture, Acharya Nagarjuna University in Guntur district - *Invited lecture:* Eye Research and Impact on Eye Health; 29 September 2012.
- Eye-PEP, Hyderabad - *Invited talk:* What can L V Prasad Eye Institute Offer; All about LVPEI; 1-7 October 2012.
- Wellcome Trust – LVPEI meeting, 'Overcoming Boundaries: A Common Vision for Translational Eye Research', Hyderabad – *Invited talk:* L V Prasad Eye Institute: Translating ophthalmic research: Challenges and learning; October 31-2 November 2012
- Prof. V. Lakshminarayanan Centenary Oration Lecture, BITS, Pilani - *Invited talk:* Research, Education and Public Good; 11 January 2013.
- Academia Ophthalmologica Internationalis Lecture, All India Ophthalmologica Society, Hyderabad - *Invited talk:* Quality Eye Care at the Bottom of the Pyramid; 16 January 2013.
- SightLife Annual Meeting, New Delhi - *Invited talk:* Spotlight on RIEB: 5000 + Transplants; 2 March 2013.

**Suryasnata Rath****International**

- Research Day, University of British Columbia, USA - *Oral Presentation:* Comparison of Ann Arbor and TNM-based Staging System to Predict Outcome in Ocular Adnexal Lymphoma; 27 April 2012.
- Canadian Ophthalmological Society 2012, Toronto, Canada - *Oral presentation:* Lacrimal Sac Dacryoliths: Clinical, histopathological and microbiological characteristics.
- APAO-AIOS, Hyderabad - *4 engagements: Instruction Course:* Lacrimal surgery: old to new; *Invited Faculty:* ITEDS thyroid symposium: VISA classification of thyroid eye disease; *Free Paper:* Comparison of Ann and TNM-based staging system to predict outcome in Ocular Adnexal Lymphoma; *Poster presentation:* Lacrimal sac dacryoliths: clinical, microbiological and histopathological study; January 2013.
- Asia-Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS), Singapore - *Presentation:* Comparison of Ann Arbor and TNM-based staging system to predict outcome in Ocular Adnexal Lymphoma (winner of NHG Eye Institute Award of Merit in Intermediate category - token cash prize & plaque); 23-25 August 2012.

**National**

- Oculoplastic Association of India (OPAI), 23<sup>rd</sup> Annual meeting, Amritsar - *3 engagements: Invited talk:* Nonendoscopic endonasal DCR; *Free paper:* Comparison of Ann Arbor and TNM-based staging system to predict outcome in Ocular Adnexal Lymphoma; *Free paper:* Lacrimal sac dacryoliths: A clinical, histopathological and microbiological study; 26-28 October 2012.

**Varsha Rathi****National**

- Cornea Unplugged, Hyderabad - *Debate:* Contact lens is a better option in keratoconus;
- Evidence 2012, Hyderabad - *Presentation:* Role of the Scleral Contact lens (BOSP or PROSE) in Management of Patients with Chronic Limbal Stem Cell Deficiency and Dry Ocular Surface, The Dua Course on Ocular Surface Disorders; *Presentation:* Role of the Scleral Contact lens (BOSP or PROSE) Choosing the Right Patient for CXL on collagen cross linking, Focus group meeting; 3 June 2012.
- Eyeduation 2012, Consolidating and looking ahead - *3 Engagements:* Presentation: Contact lens for keratoconus: let the surgeon take the backseat; *Debate:* Cyclosporine is not the drug of first line of management of dry eye; *Session moderator:*

Forefront: The debate goes on. Some issues always polarize the ophthalmic world; 23 September 2012.

- CME at SDEH, Hyderabad - *Presentation:* Chemical injuries; 10 September 2012.
- Hyderabad Ophthalmological Society meeting - *Case presentation:* Scleral lens in keratoconus and post surgical eyes; 19 August 2012.
- 48<sup>th</sup> ICLEP, Hyderabab - *Program in-charge:* Myopia and vision correction options; *Presentations:* Contact lenses options for keratoconus;
- 49<sup>th</sup> ICLEP, Hyderabab - *Program in-charge:* Basic and Advanced courses; *Presentations:* Myopia and vision correction options; Ocular response to contact lens wear; SCL complications: non-infective; Contact lens options in Keratoconus; Scleral lens; 5-7 December 2012.
- First National Debate on Keratoconus, Bangalore - *Panelist:* Contact lenses; *Invited talk:* Scleral contact lenses; 15-16 December 2012.
- Workshop on contact lens fitting, MGM Hospital, Raipur, Chattisgarh - *4 Presentations:* Soft contact lens fitting; RGP fitting; Rose K fitting; Soft toric lens fitting; 9 March 2013.
- All India Ophthalmological Society, Hyderabad - *Paper:* Small diameter scleral contact lens: challenges and outcome (best paper in Contact Lens section); January 2012.

**Vanita Pathak-Ray****International**

- APAO-AIOS, Hyderabad - *2 Paper/poster presentations:* Biometric Parameters in Persistent Irido-corneal Angle Occludability post Laser Peripheral Iridotomy; Rescue of failing or failed trabeculectomy blebs with needling and adjunctive mitomycin C in Indian eyes; *2 Videos:* Portable, non-corneal, trans-palpebral tonometry with Diaton; Resolution of bilateral chronic hypotonous maculopathy following fortuitous management of bleb leak with autologous and heterologous donor tissue; 17-20 January 2013.
- Cardiff University, Knowledge Economy Partnership Meeting, Cardiff, UK - *Invited talk/ lecture:* Teaching at LVPEI/BLSO; January 2013.

**National**

- IERG – ARVO-India Chapter, Hyderabad - *2 Engagements: Paper/ poster presentation:* Biometric Parameters in Persistent Irido-corneal Angle Occludability post Laser Peripheral Iridotomy; *Paper presentation:* Dynamic Iris Volume Changes with Anterior Segment Optical Coherence Tomography in Persistent Irido-Corneal Angle Occludability Post Laser Peripheral Iridotomy; July 2012.
- Glaucoma Society of India, Coimbatore - *4 Engagements: Paper presentation:* Biometric Parameters in Persistent Irido-corneal Angle Occludability post Laser Peripheral Iridotomy; *Invited talk/ lecture:* In India, Primary Tubes are justified; *Video:* Portable, non-corneal, trans-palpebral tonometry with Diaton; *Video:* Performance of Mitomycin C Needling at the Slit lamp in Indian eyes; October 2012.
- Glaucoma CME, Vijayawada - *3 Invited talks:* Optic Disc Assessment in Glaucoma; My technique of twin-site surgery; AADI valve insertion; March 2013.
- Kolkata Academy of Ophthalmology, Kolkata - *Invited talk/ lecture:* Valves and Tubes will replace Trabeculectomy in the near future; January 2013.
- Eye-PEP 2012, Hyderabad - *5 Invited talks/ lectures:* Comprehensive Eye Examination- why and how; IOP and Glaucoma; Optic Disc assessment in Glaucoma; Lasers in glaucoma; Newer surgeries in Glaucoma; October 2012.

- Knowledge Economy Partnership Seminar, organised at University of Hyderabad - *Invited talk/ lecture*; Cardiff University, LVPEI and BLSO – My Journey; September 2012
- Glaucoma CME, Bhubaneswar – 2 *Invited talks/ lectures*: Optic Disc Assessment in Glaucoma; Newer surgeries in Glaucoma; July 2012.
- Evidence 2012, Hyderabad – 3 *Invited talks/ lectures*: Glaucoma – Open and Shut case; Twin site glaucoma surgery; Needling with MMC; June 2012.

#### Ashutosh Richharia

##### International

- ARVO 2012, Fort Lauderdale, Florida, USA - *Oral Presentation*: Quantification of Changes in Optical Properties of Cornea with Stress In Vitro (first author); May 2012.

#### Virender Sachdeva

##### International

- 2<sup>nd</sup> WCPOS, Milan, Italy – 3 *engagements*: *Oral Presentation (Symposium)*: Efficacy of split hours part time patching vs part time patching in the treatment of anisometropic amblyopia (first author); *Oral Presentation (Symposium)*: Sensory nystagmus-visual function, visual outcomes and OCT features (first author); *E-poster*: Utility of Low Vision devices in children referred to Low Vision Clinic (first author); 7-10 September 2012.
- 9<sup>th</sup> Jakarta Eye Center (JEC) Saturday Seminar, Jakarta, Indonesia – 3 *engagements*: *Chair and speaker* on the Session on Pediatric Ophthalmology; *Presentation*: Current Concepts in Amblyopia Management; & Pediatric Ophthalmpoplegia; 19-20 May 2012.
- APAO-AIOS, Hyderabad – 5 *engagements*: *Invited Talk*: Pediatric Ophthalmpoplegia at the Pediatric Neuro-ophthalmology Symposium; *Instruction course*: Challenging Cases at investigations in neuro-ophthalmology: what next IC; *Chief Instructor*, Pediatric neuro-ophthalmology Symposium; *Free paper*: Comparison of applanation biometry vs partial coherence interferometry for doing biometry in children under general anesthesia; *Debate presentation*: Pros: Do we need systemic Investigations in All cases of Optic Neuritis at neuro-ophthalmology Symposium; Jan 17<sup>th</sup>-Jan 20<sup>th</sup>, 2013.

##### National

- Evidence 2012, Hyderabad – 3 *engagements*: *Invited Speaker*: Prediction error: Can we prevent it; *Videopresentation*: Consecutive exotropia; *Co-Chair*, session on Neuro-ophthalmology 31 May–3 June 2012.
- XX<sup>th</sup> Annual meeting of IERG, India-ARVO Chapter – *Free paper*: Correlation of OCT structure and visual function in patients with optic atrophy (first author); 28-29 July 2012.
- 36<sup>th</sup> Annual meeting of Andhra Pradesh Ophthalmological Society, Guntur – 5 *engagements*: *Chief Instructor/ Convenor*: Pediatric Neuro-ophthalmology Symposium; *Free paper*: V Raghavachar Session: Normative Data base of optic Disc RNFL distribution in Indian pediatric children (first author); *Free paper*: Hyde Park Session: Correlation of OCT structure and visual function in patients with optic atrophy (first author); *Poster presentation*: Sri Kiran Poster session: Utility of Low Vision devices in children referred to Low vision Clinic (first author); *Poster presentation*: Sri Kiran Poster session: Sensory nystagmus- visual function, visual outcomes and OCT features (first author); 12-15 October 2012.

#### Virender S Sangwan

##### International

- Asia Cornea Society Meeting, Manila, Philippines – 2 *Invited*

*talks*: Outcome of Pediatric CLET; & Boston KPro: Indications, Outcome, and complications; 27–30 November 2012.

- American Academy of Ophthalmology, Chicago, USA – 5 *engagements*: *Invited faculty* for Uveitis Subspeciality Day: Mooren's or Terrien's or something Ominous; *Poster presentation*: Clinical outcome of SLET; *Instruction course*: Allergic Eye Disease (Senior Instructor); *Instruction course*: End-stage corneal disease: Expert opinion (Senior Instructor); *Instruction course*: Chemical Injuries: Management (Co-instructor); 9-13 November 2012.
- The Inflammation and ocular Surface focus Group, Toronto, Canada - *Invited Speaker*; 11-13 October 2012.
- Stem Cell Society Singapore (SSCS) Symposium 2012, Singapore – *Group discussion*: Cell-based Therapy for Ocular Surface Reconstruction: Long-term Outcome; 6-7 September 2012.
- The University of Sheffield at the Kroto Research Institute humanitarian Research Symposia, Sheffield, UK – *Invited speaker*: Cell-based therapy for ocular surface reconstruction; 25 June 2012.
- ARVO 2012, Fort Lauderdale, Florida, USA – *Invited speaker*: Tissue Engineering of Ocular Tissues: Where Are We; 6-10 May 2012.
- 8<sup>th</sup> KPro Study Group meeting, Miami, USA – 3 *engagements*: *Invited speaker*: Osteo-Odonto Keratoprosthesis: Initial Experience Using a Four Staged Technique; *Invited speaker*: Boston Type 1 Keratoprosthesis for Bilateral Corneal Blindness: The Indian Experience; *Invited speaker*: Management of Bilateral Limbal Stem Cell Deficiency (LSCD): Kpro versus Limbal Allograft; 12 May 2012.
- APAO-AIOS, Hyderabad – 6 *engagements*: *Invited speaker*: Outcome of Pediatric CLET; *Invited speaker*: Cell based therapy for ocular surface reconstruction: Safety and efficacy; *Invited speaker*: Boston Keratoprosthesis: Indian Experience; *Invited speaker*: Boston KPro versus cell therapy for Bilateral Limbal Stem Cell Deficiency; *Invited speaker*: Peer- review process – Indian Journal of Ophthalmology Symposium; *Instructor*: End stage ocular surface disorders: the expert opinion; 17-20 January 2013.

##### National

- OS-KON 2012, Sankara Nethralaya, Chennai – *Invited faculty to 2 topics*: Suppressing the Stimulus: Guidelines to Immunosuppressive Regimen; & Omit the Outing: In vivo expansion of stem cells; 14-15 July 2012.
- Dr Biswas Oration in Ophthalmology, West Bengal, Kolkata – *Talk*; December 2012.
- Uveitis Society of India Annual Meeting, Bhubaneswar – *Talk*: Immunopathogenesis of Uveitis; 30 November-2 December 2012.
- TED x BITS, BITS Pilani, Hyderabad – *Talk*: Restoring sight using stem cells; 25 November 2012.
- Manipal medical university, Manipal - *Talk*
- BITS-Pilani - Goa campus - *Talk*
- NIT – Surathkal, Karnataka – *Talk*
- Evidence 2012, Hyderabad – *Instruction course*: Part of Dua instruction course; *Talk*: Cultivated LSC transplantation: Do we need the lab; 31 May-3 June 2012.
- Cornea CME, Nashik – 2 *Invited talks*: Scientific program: Stem cells deficiencies and Management; VKC: An enigma for clinicians; 22 April 2012.
- Cornea Unplugged Meet, Hyderabad – *Invited talk*: Program Committee: Cell based therapy for ocular surface reconstruction: Replacement vs Regeneration; 3-4 March 2012.
- Indo-US workshop on Novel Tools and Themes in Vision Sciences, Hyderabad – 21-21 January 2013.

- Frontiers in Biotechnology, Chaitanya Bharathi Institute of Technology, Department of Biotechnology, Hyderabad - *Invited Faculty*: Restoring sight using Stem Cell Therapy; 28 February 2013.
- Hyderabad Ophthalmic Association, Uveitis and ocular inflammation meeting - *Invited talk*: Immunomeditated Scleritis; 24 March 2013.

#### Suneetha Sapur

##### National

- IERG- Indian Eye Research Group, 20<sup>th</sup> Annual Meeting, Hyderabad - *Presentation*: Assessment of nutritional status among visually challenged children aged less than 15 years; 28-29 July 2012.

#### G Chandra Sekhar

##### International

- ARVO, Fort Lauderdale, Florida, USA – *Poster Presentation*: Predictors and repeatability of normal retinal nerve fiber layer measurements by Gdx enhanced corneal compensation; 6-10 May 2012.
- APAO-AIOS 2013, Hyderabad – 7 Engagements: *Lecture*: Post Graduate teaching Program, Importance of gonioscopy in glaucoma diagnosis; *Chair/Chief Instructor*: Scientific Program (Subspecialty day) - Glaucoma, Theme – Basic; *Chair/Chief Instructor*: Scientific Program, Ocular Imaging - Symposium - Neuroimaging in glaucoma; *Speaker*: Scientific Program, Subspecialty Intraocular Inflammation, Uveitis & Scleritis Symposium Surgical interventions in management of uveitis and its complications; Tube or Trab; what is the best for patients with uveitic glaucoma; *Chair/Chief Instructor*: Scientific Program, Subspecialty Glaucoma Symposium, Glaucoma risk and detection; *Poster Presentation*: Dynamic Iris Volume changes with Anterior Segment Optical Coherence Tomography in Persistent Irido-corneal Angle Occludability post Laser Peripheral Iridotomy; *Poster Presentation*: Biometric Parameters in Persistent Irido-corneal Angle Occludability post Laser Peripheral Iridotomy; *Poster Presentation*: Treatment Outcomes In Malignant Glaucoma; 17-20 January 2013.
- Glaucoma Research Society Meeting, Wurzburg, Germany - *Invited faculty*: Management protocols for primary angle closure disease; 6 September 2012.
- 21<sup>st</sup> Annual Scientific Sessions of the College of Ophthalmologists, Sri Lanka, Colombo - *Invited faculty/Session chair*: Importance of Gonioscopy in Glaucoma Diagnosis- and Use of HVF /OCT in glaucoma diagnosis; 22 September 2012.
- 9 GA, IAPB, Hyderabad - *Invited faculty*: Programme management and financing eye care institutions in low income countries; 17-20 September 2012.

##### National

- Contemporary Glaucoma Management, Bangalore - *Invited faculty*: My top ten pearls in Glaucoma Diagnosis;
- LAICO, Madurai - *Invited faculty*: Conversations with stalwarts in eye care delivery - sharing their eventful journey and current challenges; 22 July 2012.
- An insight on Contemporary Glaucoma Management, Chennai - *Invited faculty*: My top ten pearls in Glaucoma Diagnosis, Medical management and surgical management also; 2 September 2012.
- Allergan Academic Achievers Award + Erudio 2012, Delhi - *Invited faculty*: What is clinical acumen; 5 January 2013.
- Update on Glaucoma, Precision Eye care and Allergan, Lucknow - *Lecture*: Top ten in Glaucoma Diagnosis; 5 January 2013.
- C L Gupta Eye Institute, Moradabad - *Lecture*: Automated Field Analysis; 4 January 2013.

- RPC Update 2013, CME, Foundation Day celebrations, AIIMS, Delhi - Prof. L P Agarwal oration; 10 March 2013.
- Assessing research priorities & developing research capabilities in India, Lions Aravind Institute of Community Ophthalmology, Madurai - *Invited faculty*: Better treatment options; 2 October 2012.
- XXII Annual Meeting, Glaucoma Society of India, Coimbatore - *Invited faculty/ Session chair*: Optic disc: Clinical insight into features of glaucomatous optic discs and practical implications of landmark studies from India; *Lecture*: The piquante of managing glaucoma medically; *Lecture*: How best I can set the target of my patients; 5-7 October 2012.

#### Preeti Semwal

##### International

- 9 GA, IAPB, Hyderabad - *Poster presentation*: Quality of Life in self reported type 2 diabetics with retinopathy in tertiary eye care center in Eastern India: The LVPEI Eye And Diabetes Study (LEADS) Report 4; 17-20 September 2012.

#### Sirisha Senthil

##### International

- APAO-AIOS, Hyderabad - 5 engagements: *Instruction course*: Refractory pediatric Glaucomas: Tubes for TOTS; *Invited talk*: GSI symposium: Corneal Hysteresis and CCT in Glaucoma Management; *Free paper*: Glaucoma in Boston keratoprosthesis (Best Paper in the glaucoma section); *Video presentation*: AGV in Boston Keratoprosthesis; *Video presentation*: Reimplantation of AGV in eyes with extruded implant; 17-20 January 2013.

##### National

- Evidence 2012, Hyderabad – 7 engagements: *Invited faculty*: Live surgical demonstration of Ahmed Glaucoma Valve Implantation; *Oral presentation*: Special Symposium Hand, Head and Heart: How to build a successful career in ophthalmology - Is Fellowship Training Required? *Oral presentation*: Oops! Complications in Cataract Surgery (Cataract session); *Oral presentation*: Tubes for TOTs (video-based discussion); *Oral presentation*: Glaucoma Drainage Devices (video-based discussion); *Oral presentation*: Diagnosis of Pediatric Glaucoma (panel discussion); *Oral presentation*: Surgical Management of Pediatric Glaucoma (panel discussion); 31 May-3 June 2012.
- Ocular Surface and Keratoprosthesis conference, Chennai - *Invited faculty*: Glaucoma in Bostonkeratoprosthesis; 14-15 July 2012.
- Glaucoma CME, Bhubaneswar - *Invited faculty*: Medical management of Glaucoma; 21-22 July 2012.
- Glaucoma Society of India annual meeting, Coimbatore – 4 engagements: *Invited faculty*: *Talk*: How to prevent Trabeculectomy complications; *Talk*: Tubes in my practice; *Talk*: Effect of cataract extraction on VFI ; *Talk*: A critical evaluation of epidemiological studies in India: APEDS; *Video presentation*: tube extender for retracted AGV in a child with Aniridia (Best video award);
- 36<sup>th</sup> Annual Andhra Pradesh Ophthalmological Society meeting, Guntur – 3 engagements: *Invited talk*: Cataract surgery in eyes with functioning filtering blebs; *Paper presentation*: Glauocma in keratoprosthesis (won K Vengal Rao best paper award & Manoj Mathur overall best paper); *Video presentation*: Reimplantation of AGV in an eye with extruded implant; 12-14 October 2012.
- CME ‘The Eye & Systemic Disorders’, Warangal - *Invited speaker for 2 topics*: Medical management of glaucoma; & Glaucoma and systemic diseases; 2 December 2013.

**Savitri Sharma****International**

- Asia Pacific Academy of Ophthalmology, Busan - *Invited Speaker*: Corneal Infections in India; 13-16 April 2012.
- 18<sup>th</sup> Congress of the International Society for Human and Animal Mycology (ISHAM), Berlin - *Poster presentation*: Microsporidia: The parafungus associated with epidemic keratoconjunctivitis; 11-15 June 2012.
- APAO-AIOS 2013, Hyderabad - 3 engagements: *Invited speaker*: Application of molecular microbiology in the management of endophthalmitis, Symposium on Endophthalmitis and infectious disorders; *Instruction course instructor*: Diagnosis of Fungal keratitis, Challenges in the diagnosis and management of fungal keratitis; *Chief instructor*: Unusual corneal pathogens: know, learn and treat, atypical mycobacteria - find me if you can; 17-20 January 2013.

**National**

- Evidence 2012, Hyderabad - 2 engagements: *Invited Speaker*: Advanced microbiology: Roles and limitations in non-viral keratitis; *Invited Speaker*: Microbiology and Drug Resistance in endophthalmitis; 31 May -3 June 2012.
- Indian Eye Research Group - ARVO-India Chapter, 20<sup>th</sup> Annual Meeting, Hyderabad - 2 engagements: *Poster Presentation*: Methicillin Resistance and Antibiogram of Staphylococcal isolates from ocular infections and healthy normal conjunctiva; *Poster presentation*: Molecular Characterization of Microsporidia and Adenovirus associated with Epidemic Keratoconjunctivitis 28-29 July 2012.
- 8<sup>th</sup> Annual Conference of VISION 2020: Right to sight, Madurai - *Invited faculty*: Sources and Causes of postoperative endophthalmitis; 21-22 July 2012.
- Indian Association of Medical Microbiologists (Odisha Chapter), 6<sup>th</sup> Annual Meeting, Apollo Hospitals, Bhubaneswar - *Poster Presentation*: Prevalence of methicillin resistance among staphylococci isolated from ocular infections and healthy normal conjunctiva and their antibiogram; 12 August 2012.
- Postoperative endophthalmitis and Uveitis CME-2012, MGM Eye Institute, Raipur - 2 *Invited talks*: Laboratory Diagnosis of Intraocular Infections; & Aseptic practices in OR and OR surveillance; 9 September 2012.
- Cornea Update, JPM rotary Club of Cuttack Eye Hospital and Research Institute, Odisha State Ophthalmological Society and Allergan Eye Care, Cuttack - *Talk*: Why and How of diagnosis of microbial keratitis; 16 September 2012.
- CME on Cornea and Cataract, Allergan Eye Care, Mumbai - 3 *Invited talks*: Investigation of microbial keratitis at a tertiary eye care level; Pre-operative antibiotic prophylaxis in cataract surgery; & Operating room protocol and surveillance in eye hospitals; 30 September 2012.
- Eye PEP 2012, Hyderabad - 2 *Talks*: Laboratory Diagnosis of Intraocular Infections, Operating Room protocols and OR Surveillance; 3 October 2012.
- CME on Scientific Writing. 36<sup>th</sup> National Conference of Indian Association of Medical Microbiologists, New Delhi - 3 *Talks*: Types of scientific communications; Introduction; Copyright-Ethics of Publication; 20 November 2012.
- 36<sup>th</sup> National Conference of Indian Association of Medical Microbiologists, New Delhi - *S C Agarwal Oration Award*; 23 November 2012.
- XVI Annual conference of IAMM (AP Chapter), Visakhapatnam - *Free paper*: Molecular Diagnosis of Serpiginous-like choroiditis (awarded RMC best paper for senior faculty); 8-10 February 2013.

- CME, Cochin, Kerala - *Instruction Course*: Microbiological work-up: how and when; 5 February 2013. Siliguri, West Bengal - *Invited Speaker*: Diagnosis of Ocular Mycosis; 11 February 2013. Cornea Unplugged, Hyderabad - *Invited Speaker*: Microsporidial infection of eye: an overview of emerging infection;

**G Srinivas****National**

- 4<sup>th</sup> National Eye Bank CME, Barrackpore, Kolkata - *Video presentation*: Donor corneal retrieval (whole globe, CS rim)/ sclera preparation; 22-23 September 2012.

**Mukesh Taneja****International**

- ARVO, Fort Lauderdale, USA - *Poster Presentation*: Ophthalmic Biometry using Calipers: Determination of Measurement Precision; May 2012.
- Zeiss Refractive Symposium, Hangzhou, China - *Presentation*: Femtosecond Laser Assisted Anterior Lamellar Keratoplast (FALK); June 2012.
- APAO-AIOS annual Conference, Hyderabad - *Free Paper*: Femto second Laser Assisted Anterior Lamellar Keratoplasty; January 2013.

**International**

- DOS Annual Conference, Delhi - 3 *Presentations*: Intra-op Pachymetry Variation in Collagen Cross Linking (CXL) with Isotonic and Hypotonic Riboflavin using different protocols; Quest for an Accommodating Gel IOL with Ex Vivo Accommodation Simulator (EVAS) and Phaco Ersatz; & Femtosecond Laser Assisted Anterior Lamellar Keratoplast (FALK)
- Evidence 2012, Hyderabad - 5 *Presentations*: Update on New Accommodative IOLs; CXL in Thin Cornea and New Protocols for CXL; Accommodative IOLs - Current Status; Dry Eyes: Tear Substitutes, Punctual Plugs or Both? An Evidence-based Recommendation; & Femtosecond Assisted Anterior Lamellar Keratoplasty.
- Eyeducation -2012, Hyderabad - 2 *Presentations*: Accommodative IOLs; & Phaco in Subluxated Cataract; September 2012.
- APOS annual meeting, Guntur - 2 *Presentations*: Femto second Laser Assisted Anterior Lamellar Keratoplasty; & Management of Bacterial Keratitis; October 2012.
- Keratoconus Conference, Narayana Nethralaya, Bangalore - *Presentation*: Collagen Cross Linking in thin Corneas; December, 2012.
- Dry Eye Workshop, Narayan Nethralaya, Bengaluru - *Invited talk* - Meibomian Gland Dysfunction; March 2013.

**Devjyoti Tripathy****International**

- AIOC, Kochi - *Free paper*: Eviseration with primary orbital implant in endophthalmitis/ panophthalmitis: should it be done; 3 February 2012.
- World Ocular Trauma Congress, 10<sup>th</sup> International Meeting, Jaipur - *Free paper*: Paper on Intraorbital wooden foreign bodies: lessons from three cases; 6-7 October 2012.
- FUSION 2012 Hyderabad - *Instruction Course*; 13-14 February 2013.

### Shyam Sunder Tummanapalli

#### International

- ARVO 2012, Fort Lauderdale, Florida, USA - *Poster Presentation*: Efficacy of axial and tangential corneal topography maps in diagnosing keratoconus suspects (first author); 6 May 2012.
- India-UK initiative, Knowledge of Economy Partnership, University of Hyderabad - *Poster Presentation*: Efficacy of axial and tangential corneal topography maps in diagnosing keratoconus suspects (first author), 28 September 2012.

### Pravin K Vaddavalli

#### International

- APAO- AIOS 2013, Hyderabad - *Chief Instructor, Co instructor, Invited speaker*: DSEK skills transfer course; 17-20 January 2013.
- AAO annual meeting, Chicago, USA - *Senior instructor, co instructor, poster presentation; Invited speaker*: Refractive surgery subspecialty day; 9-10 November 2012.
- International Refractive Symposium, Carl Zeiss, Hangzhou, China - *Invited speaker*; 22-23 June 2012.
- TunHussainOhn National Eye Hospital, Kuala Lumpur – *Invited speaker*; 7 April 2012.
- West Java Ophthalmic Society annual meeting, Bandung, Indonesia - *Invited Speaker*; 30 Mar-1 Spri1 2012.

#### National

- First Asian Debate on keratoconus, Bangalore - *Invited speaker*; 15-16 December 2012.
- Warangal Ophthalmic Society, Warangal - *Invited speaker*: Symposium on systemic disease and the eye; 2 December 2012.
- Kerala State Ophthalmic Society annual meeting 2012, Trivandrum - *Invited speaker*: 23-25 November 2012.
- APOS, Guntur - *Co instructor*: 12 -14 October 2012.
- EyePEP, post graduate education program, Hyderabad - *Speaker*; 30 September-6 October 2012.
- Eyeedu 2012, Hyderabad - *Invited speaker*; 23 September 2012.
- Post graduate update program, Sarojini Devi Eye Hospital, Hyderabad - *Invited speaker*; 9 September 2012.
- Mumbai Ophthalmology Association (BOA), Mumbai - *Invited speaker*; 4-5 August 2012.
- Trivandrum Ophthalmic Association annual meeting, Trivandrum - *Invited speaker*: 29 July 2012.
- Visakhapatnam Ophthalmology Association annual meeting, Visakhapatnam - *Invited speaker*; 22 July 2012.
- Evidence 2012, Hyderabad - Session chair, *speaker*; 31 May-3 June 2012.

### P V K S Varma

#### National

- Alcon Glaucoma Meet, Visakhapatnam - *Invited Speaker*: Adjunctive Medical Therapy in Glaucoma; 5 May 2012.
- Evidence 2012, Hyderabad - *Chair*: Session on glaucoma; *Panelist*: Panel Discussion on Drop vs Chop: will trabeculectomy become a lost skill; 2 June 2012.
- Glaucoma Meet, Vijayawada Ophthalmic Association - *Invited Speaker for 4 topics*: Glaucoma: a 24 hour disease; 10 Golden pearls in management of glaucoma: basics in glaucoma diagnosis for general ophthalmologists; Choosing an ideal adjunctive therapy in glaucoma; & Surgical video: Trab+MMC in congenital glaucoma; 24 June 2012.
- Glaucoma Update, Bhubaneswar - *Guest speaker*: Detecting and measuring progression; 22 July 2012.

- AP State Ophthalmological Society Conference, Guntur - *Chairperson*: Surgical Glaucoma Symposium, 12 October 2012.
- Alcon Glaucoma Meet, Vijayawada - *Talk*: Glaucoma: a 24 hour disease; 23 December 2012.
- Glaucoma Update, Vijayawada - *Talk*: Medical management of glaucoma; 17 March 2013.

### Pesala Veerendranath

#### International

- India-UK Initiative, Knowledge economy partnership 2012 international seminar, University of Hyderabad, Hyderabad - *Presentation*: Manipulating astigmatism and pupil size to optimize near acuity of pseudophakes (first author); 28-29 September 2012.

#### National

- Dr E Vaithilingam Memorial Scientific Session 2013, Chennai - *Presentation*: Optimizing binocular vision of pseudophakes with uncorrected astigmatism; 17 March 2013.
- Indian Eye Research Group ARVO- India Chapter 2012, 20<sup>th</sup> IERG Annual Meeting, Hyderabad - *Presentation*: Manipulating astigmatism and pupil size to optimize near acuity of pseudophakes.28-29 July 2012. – Aug 29, 2012.

### Battriti S Wallang

#### International

- 9 GA, IAPB, Hyderabad - *Poster presentation*: Knowledge, attitude and practice in self reported diabetics in tertiary eye care center in eastern India: The LVPEI Eye And Diabetes Study (LEADS) Report 2; 17-20 September 2012.
- APAO-AIOS, Hyderabad - *Free Paper*: Knowledge, attitude and practice in self-reported diabetics in a tertiary eye care centre in eastern India: The LVPEI Eye and Diabetes Study (LEADS); Report No. 2; January 2013.

#### National

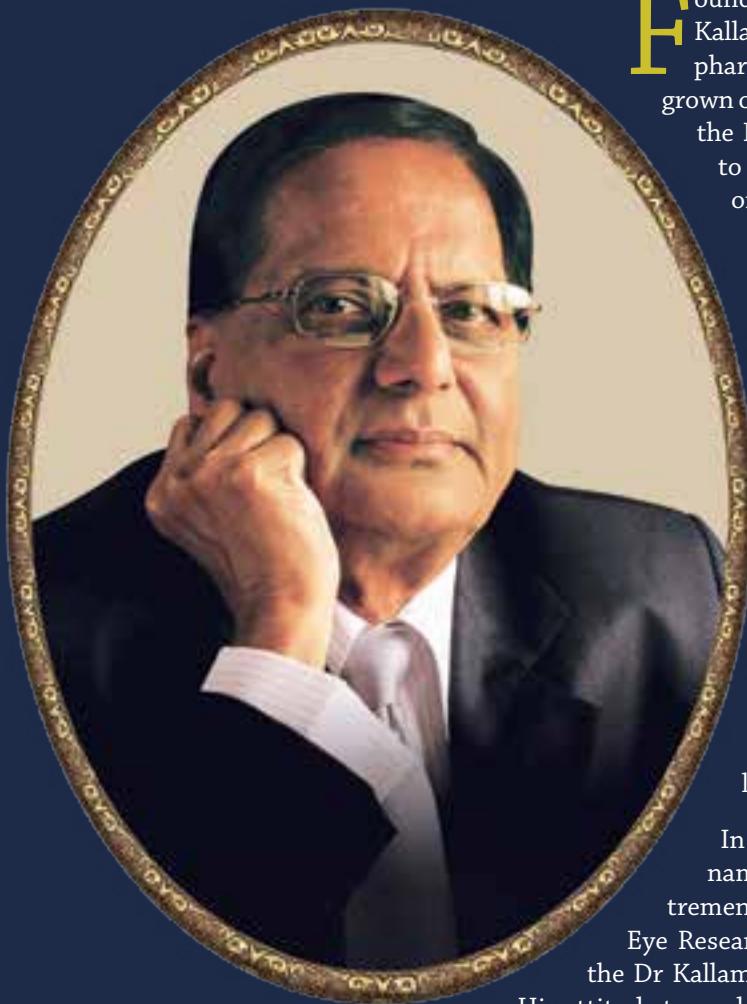
- IERG ARVO-India Chapter 2012, Hyderabad - *Free paper*: Determinants of poor agreement in disc evaluation between optometrist and ophthalmologists: a hospital based study (first author); 28-29 2012.

### Jachin D Williams

#### International

- ARVO 2012, Fort Lauderdale, Florida, USA - *Presentation*: Improvements in awareness and attitudes toward childhood eye health among government schoolteachers participating in a structured school screening program in Hyderabad, India; 6-10 May 2012.
- 9 GA, IAPB, Hyderabad - *Presentation*: Current utilization and barriers for accessing eye care services among adult handloom weavers in rural Andhra Pradesh, South India; 17-20 September 2012.

## A Tribute to Dr Kallam Anji Reddy

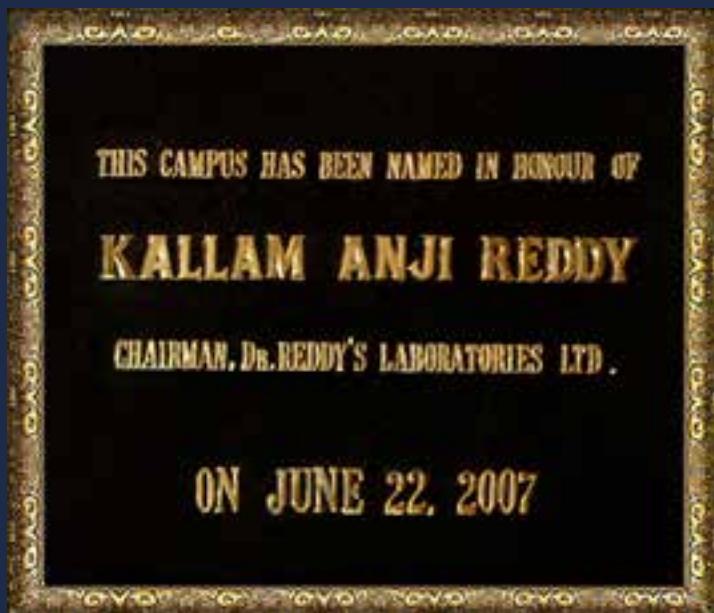


**F**ounder and Chairman of Dr Reddy's Laboratories, Dr Kallam Anji Reddy was an Indian entrepreneur in the global pharmaceutical industry. Education and career were all home-grown options for this son of the soil who single-handedly turned the Indian bulk drug industry from dependence on imports to self-reliance, eventually making it the emerging export-oriented industry that it is today.

Equipped with a razor sharp memory, his main tenets were humility and the ability to trust. He believed in the power of good intention, and was particularly sensitive that people should be treated with dignity. Calculated risk is what he prescribed, thus making risk taking easy. An eternal optimist, he combined both passion and professionalism in his work-life. When faced with difficult situations, his famous adage was, "Everything cannot fail."

Dr Reddy's association with LVPEI began in 1995 with committing to an annual donation towards non-paying cataract surgeries for 10 years in his father's memory. The involvement became more substantial when he became interested in the Institute's basic research projects; we now have a molecular genetics laboratory in his name.

In 2007 the Hyderabad campus of the institute was named the Kallam Anji Reddy campus in recognition of his tremendous support. He was also the chairman for Hyderabad Eye Research Foundation for 6 years, and it is in his honor that the Dr Kallam Anji Reddy Distinguished Chair was created at LVPEI. His attitude towards these gestures is best exemplified by what he once told Dr Rao: "Don't worry about money, just keep up the good work!"



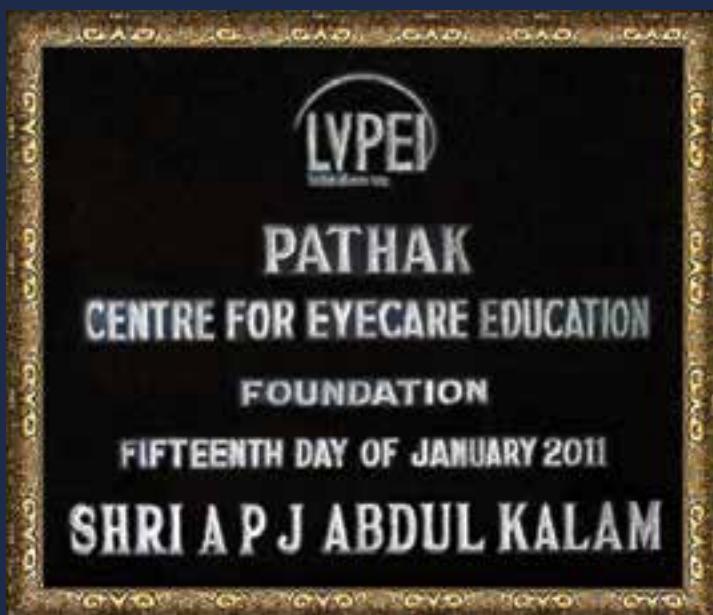
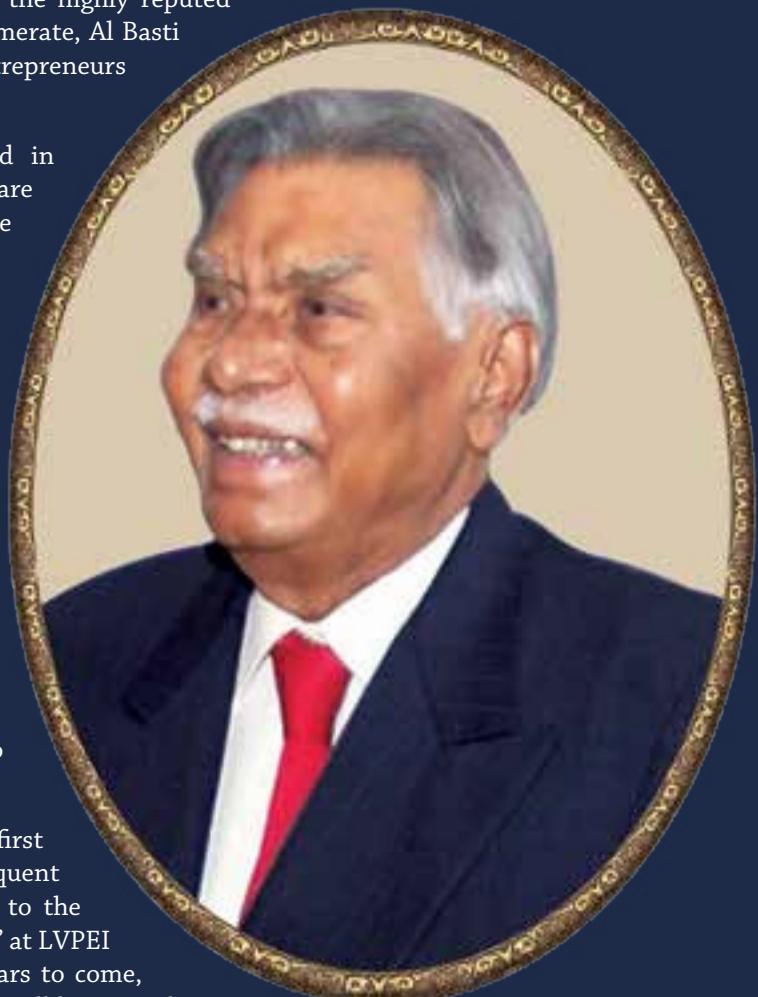
## A Tribute to Mr S K Pathak

**S**K Pathak, the charismatic businessman behind the highly reputed UAE-based engineering and construction conglomerate, Al Basti & Muktha (ABM) Group, was among the early entrepreneurs from India to set up a business in Dubai.

Through the ABM group, Mr Pathak was involved in ventures as diverse as hotels, tea plantations, healthcare and publication all over the world. He has served on the Dubai Advisory Board of Coutts & Co, one of the world's leading private banks.

Mr Pathak studied Economics from the University of Allahabad. He evinced keen interest in education, endowing a permanent scholarship fund and financing the redeveloped graduate accommodation, now known as 'SKP House' in Exeter College, Oxford University. The scholarship supports outstanding Indian students, pursuing graduate studies at Oxford University in subjects linked to the economic development of India. In 2011, Mr Pathak received the highest honor bestowed by the Oxford University, UK. He was inducted by Lord Patten, Chancellor of Oxford University, into the prestigious Chancellor's Court of Benefactors which is bestowed on those who have shown outstanding leadership in philanthropy.

Mr Pathak, along with his wife Mrs Kokil Pathak, first visited LVPEI Hyderabad in 2010 for his eye care. Subsequent visits led to a wish to support the institute, leading to the setting up of the 'Pathak Centre for Eye Care Education' at LVPEI Bhubaneswar, and another in Visakhapatnam. For years to come, students passing out from the portals of the campuses will have much to owe to this great philanthropist-educationist.



*As the institution's list of supporters, contributors and friends continues to grow, we take a look at some of these benefactors who have joined the LVPEI family to help us realize our goals.*

## The Munificence of the Kollipara Family

This is an inspiring story of how a businessman from a middle-class family stepped forward to support the provision of the institute's eye care services to ensure the eye health of the people in their hometown.

Mr Kollipara Srinivas Rao and his two brothers donated space in a busy locality of Peddanandipadu near Guntur, in memory of their late parents Mr Kollipara Seshagiri Rao and Mrs Rohini. Speaking of his involvement in extending quality eye care in the area, he says, "The LVPEI authorities were making enquiries at the Karamchedu base centre, seeking local donors in Peddanandipadu. When they approached me I spoke to my brothers and we readily agreed to provide built space for a Vision Centre. We set up the Vision Centre (VC) at a crucial junction – the crossroads of Peddanandipadu and Nagulapadu. We believe that LVPEI's name and fame precedes it and it will surely fulfill its promise to provide medical support to people."

The extension to the building was constructed under the aegis of a service organization. The brothers also helped in the glaucoma project established by Dr G Chandra Sekhar of LVPEI, because they were convinced that people in the area would benefit by the early detection of glaucoma.

The Vision Centre will help people have their eye checks closer to their homes. People over 60 years of age cannot travel far for eye care services as they are dependent upon a younger family member to accompany them. Also, the travel would incur a loss of daily wages as this is a predominantly agricultural community. This VC will ensure that people receive the care they need, as they will require to spend only ₹ 10 to ₹ 15 on transport to access it. The Centre has helped save at least ₹ 2000 per day for the community and helped take care of the eye health of the people.



## The Philanthropic Business Family from Bellary

February 13, 2013 marked the launch of LVPEI's services in the state of Karnataka. The institute's 11<sup>th</sup> secondary care service centre, the Y Mahabaleshwarappa Memorial Eye Centre in Bellary, launched its outpatient services. Built on 3.5 acres of land, the 20,000 sq ft facility is located on the outskirts of Bellary, and is funded by a generous donation from M/S Y Mahabaleshwarappa & Sons. The plan is to make this a tertiary centre in a few years from now.

Mr Satish Yeachareddy, a co-owner of the iron ore mining company, says the family has long been involved in philanthropic activities thanks to the inspiration of his grandfather Sri Y Mahabaleshwarappa. Sri Mahabaleshwarappa was an active politician-philanthropist who was instrumental in forming the Akhanda Bellary Zilla Kriya Samithi which resisted the division of Bellary district from the state of Karnataka. He also had the distinction of being the youngest District Board President in the erstwhile Madras Presidency, at the age of 25, a position to which he was elected three times.

However, the impetus for the family's philanthropic activity to become focused upon quality eye care for the needy was when Mr Satish's younger twin son Karthik was diagnosed blind at birth.

Karthik was taken to the US where his condition was evaluated at the Cincinnati Centre for Developmental Disorders; his family was told that he needed an intensive rehabilitation program. It was then that they heard of LVPEI as being one of the foremost eye hospitals in India working on rehabilitation for the visually impaired. Karthik is now aged 15 years; his vision has improved such that his condition is that of a person with low vision.

But the family was now keenly sensitized to the needs of visually impaired and differently abled people. Added to that, they were also aware of the lack of quality eye care facilities in the Bellary region. So, impressed with LVPEI's reputation and guiding principles, they approached the institute's Chairman, Dr Rao, with the proposal to have an eye hospital built to the operational standards of LVPEI.

The proposal was readily accepted resulting in the inauguration of LVPEI's Bellary Eye Centre. Mr Satish hopes that his children will take inspiration from this initiative to continue the family tradition of empathy and support for the needy and those less fortunate.



*Mr Y Basavaraj and Ms Y Neelamma (seated) and their children Mr Harish, Ms Sharada, Mr Satish and Ms Anuradha (standing, from the left)*

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Mr A Ravindra Krishna Kapisthalam	Dr Sirisha Senthil	Mrs Urmila Devi Poddar
Dr Inderjeet Kaur	Ms Preeti Sharma	Mr Satya Nam Baksh Singh
Dr Subhadra Jalali & Dr Subash Kaul	Mr Vipul Harilal Shah	Rawatmulla Karnani Memorial Trust
Mr G Ravi Kiran	Mr Hari Om Shirvastava	<b>Lucknow</b>
Mr D Sri Krishna	Mr & Mrs Vijay Shriram, Summit Furnishers	Mr Sunil Kumar Singh
Ms Savitri & Mr S L Kumar (Sadbhava Trust)	Mr M Sivakumaran	<b>Madurai</b>
Ms K Vijaya Kumari	Mr K Sreenivasan	Auro Labs
Mr Surendra Kumar	Dr D Sreelatha	<b>Maharashtra</b>
Mrs Pauruchisti R Katrak	Mr Jonnalagadda Sridhar	Ms Mandakini Deshmukh
Mr Praveen Kumar K, Kamineni Agencies Pvt Ltd	Dr Kuruganti Suresh	Shaneshwar Devasthan Public Trust
Maheshwari Brothers	Mr Apoorva Surkunle	<b>Mangalore</b>
Mr Ashok Kumar Malpani	Mr Ghanshyam Swarup	Dr Surendra Basti
Ms Manasvi	Mr Shailendra Swarup	Dr B Rekha
Mr Rajan Mani	Dr Rishi Swarup	<b>Mongolia</b>
Ms Manju Mansingh	Dr Mukesh Taneja	Dr Munkhtsetseg Tserendash
Mr A Satyanarayana Murthy	Ms Geetha Thalikar	<b>Mumbai</b>
Mr I S R Murthy	Mr S Thirumahi	Dr Rajendra Y Angle
Dr Somsheila Murthy	Mr Chandra Tushaga	Dr B R Barwale
Mr Ravi Krishna Murthy	Dr Pravin K Vaddavalli	Mr Rama Chandrasekhar
Dr Raja Narayanan	Ms Sowmya Vallabhajosyulu	Mr Arun P Deshpande
Mr Venkajah Chowdary Nannapaneni/ Natco Pharma Limited	Mr P Muralikrishna Varma	Dr Savari T Desai
Mr Rehan Noronha	Mr V Vasudev	Mr Ramesh Chandra Vadilal Doshi
Mr K Nukeshwari	Mr Harini Venkatesh	Mr Ajay Gandhi
Mr Ahmed Ali Pasha	Mr SK Vishwakarma	Dr Nikhil S Gokhale
Estate of Late Mrs Roshan M Patel	Employees of Deloitte	Ms Nalini Hebbar
Ms Sreedevi Penmetcha	IDBI Bank	Dr Vandana Jain
Ms Geetha Pisupati	Indian Institute of Public Health	Mrs Divya N Shah & Mr Jethabhai
Mr P K Sai Prakash	KVC Babu Charitable Trust	Ms Jyotsna Sudhir Joshi
Ms Kode Satya Gnana Prasunamba	Printers Den	Mr Ramesh Mantri
Mr Kapa V Prasad	Raghav Polymers	Dr Hijab Mehta
Dr Kalyani Prasad	Surya Charitable Trust	Ms Rupa Mehta
Dr K Srinivas Prasad	Spinco Biotech Pvt Ltd	Mr Khargar Mundri
Prof PK Sai Prakash	Secunderabad Oils Limited	Mr Anand Pandit
Mr Ramesh Prasad/ Prasad Film Laboratories Pvt Ltd	<b>Indore</b>	Mr Ritesh Kewal Ramani
Mr Ravi Kishore Puli	Dr Prateep Vyas	Ms Nidhi K Shah
Mr M Satya Ramesh	Dr Sharadini Vyas	Dr Nikunj Shah & Urmi Shah
Mr D Seetha Ramaiah	<b>Japan</b>	Mr Behram Rustom Sethna
Ms Vijaya L Ramam	Dr Nobuo Ishida	Mr Madhu & Mr Mahesh Thakkar/ Mr Kantilal & Mrs Javerben Thakkar
Dr P Rama	<b>Jerusalem, Israel</b>	Embee Corporation
Mrs Meena Raghunathan & Mr V Raghunathan	Mr Amer Mohammed Atta Muhsen	Nandal More Charitable Trust
Justice TNC Rangarajan & Mrs Kamala	<b>Jharkhand</b>	Pharm Aromatic Chemicals
Mr Gandharikar Srinath Rao	Dr Anshuman Sinha	Satyam Enterprises
Mr P Visheshwar Rao	<b>Karimnagar</b>	Tirupati Traders
Dr P Rama Rao	Mr Arindam Acharya	<b>Muzaffarnagar</b>
Ms Radhika	Ms Kola Lavanya	Dr Rajat Maheshwari
Mr R Raghava Rao	Mr Kola Anna Reddy	Mr Syed Mohiuddin
Mr V C Janardan Rao (Veljan Hydrair Ltd)	Mr Lanki Reddy	<b>Mysore</b>
Mr S S R Koteswara Rao	Lion ER Kolla Anand Reddy	Dr C A Padma Prabhu
Mr Jonnagadda Raghunatha Rao	<b>Kenya</b>	<b>Ongole</b>
Dr & Mrs Ram Mohan Rao/	Mr Joy Mjari	Dr Ramesh Babu Bobbili
Dr Venkataswamy Chetty Chartiable Trust	Mr Sandip Mukherjee	Mr Ch Ananth Lakshmi Narayana
Mr S S R Koteswar Rao	Dr Bade Ogundipe	<b>Porbandar</b>
Mr Y Madana Mohana Rao	Mr Govinder Singh	Mr Suresh C Gandhi
Dr Varsha M Rath	<b>Khammam</b>	<b>Portugal</b>
Dr P Venkata Ratnam	Mr Shyam Sunder Daram	Ms Meenari & Mr Suresh Kumar Gordhandari
Ms Suhasini Ravipati	Mr Dronamraju China Kameswar Rao	<b>Pune</b>
Mr Subba Rao Ravuri	<b>Kolkata</b>	Mrs Marina Bijoy
Mr M Venkateshwar Reddy	Ms Mansi Agarwal	Mr Bisram N Hinduja
Ms Aparna (Pinky) Reddy	Mr Purushattam Lal Agarwal	Dr Ritesh Kumar &
Dr Kallam Anji Reddy	Ms Sunitha Bagari	Mr Vinay Kumar Kakrania
Ms Madhavi Gajjala & Mr Mohan Reddy	Dr Anirban Bhaduri	
Mr P Kuppuswamy Saiprasad	Dr Monimoy Ghosh	
Mr Praneeth Sagar	M/S Salarpuria Jajodia & Co	
Mr Sandeep	Mr Dikshit Khanna	
Mr Leele Sanka	Mr Prakash C Laha	

Ms Kaveeta Kripalani Mr K N Kiran Kumar Dr Sangeetha Wagh	Dr Gangadhar Prasad Kilaru Dr Sashidhar Prasad Kilaru Ms Mahita Mr Abishek Pakalapati Mr Mukesh Singhal Mr Akhil Valluri	Mr Emani Anand Swarup Mr K Jagannadha Swamy & Mrs K Vidyavathi Chintalapati Rama Raju Charitable Trust Garimella Charitable Trust Lotus Wireless Technologies India Sri Rama Raju Charitable Trust Dr Vishwamithra Synergies Castings Ltd Quantum Clothing India Pvt Ltd
<b>China</b> Shanghai Aier Eye Hospital		
<b>Sonabhadra (UP)</b> Mr Kailash Nath Pandey	<b>Valsad</b> Mr Pragnesh Kantilal Chheda	<b>Vizianagaram</b> Mr Sri Sai Sundaram Maharaj Mandhani Carriers
<b>Srikakulam</b> Mr M V R Murthy, East Coast Development Foundation	<b>Vietnam</b> Dr Vill Tui Khash	<b>West Bengal</b> Dr Mrigendra Nath Sau
<b>Thiruvananthapuram</b> Muthoot Fincorp Ltd	<b>Vijayawada</b> Mr A Rama Krishna Rao Mr Vadlamudi Udaya Shankar	
<b>USA</b> Dr Kishore Amaraneni Ms Joan Collins Mr Sekhar Gopisetty Mr Daisaku Ikach	<b>Visakhapatnam</b> Mr K Butchi Raju Ms Mangamambai w/o Mr M G Seshagiri Rao Dr Virender Sachdeva	Johns Hopkins University, USA Jules Stein Eye Institute, University of California, USA Keeler, United Kingdom Kenyatta National Hospital, Africa Korle-Bu Teaching Hospital, Africa Latter-day Saint Charities, USA Lighthouse International, USA Lions Eye Institute, Australia Lions International, USA London School of Hygiene & Tropical Medicine, UK Massachusetts Eye and Ear InArmmary, USA Massachusetts Institute of Technology, USA Mayo Clinic, USA MoorÄelds Eye Hospital, UK National Institute of Ophthalmology & Hospital, Bangladesh National Institute of Sensory Organs, Japan National Institutes of Health, USA Northwestern University, USA Ohio State University, USA Operation Eyesight Universal, Canada Optometry Giving Sight, Australia ORBIS International, USA Pakistan Institute of Community Ophthalmology, Pakistan Pharmacia & Upjohn, Sweden Queensland University of Technology, Australia Rotary International, USA Santen Inc, USA School of Medicine and Dentistry, University of Rochester, USA Service de Biologie Clinique Institut Salah Azaiz, Tunisia SightLife, USA Sightsavers, UK Stanford Graduate School of Business, USA SUNY School of Optometry, USA Sussex Vision International, UK Tel Aviv University, Israel Telesensory (S) Pte Ltd, Singapore Thadikonda Research Foundation, Inc, USA The Cooperative Research Center for Eye Research & Technology, Australia The Hadley School for the Blind, USA The Tun Hussein On National Eye Hospital and the Malaysian Association for the Blind, Malaysia Tianjin Eye Hospital, China Tubero, Sendai University, Japan Tufts University of Medicine, USA University of Aberdeen, UK University of Cleveland, USA University of Florida, USA

## Our International & National Linkages

### International

Abbott Medical Optics, USA  
 Adventus Technology Inc., USA  
 Aidmatrix Foundation, Inc (i2 Foundation), USA  
 Alcon, USA  
 AMO Groningen BV, The Netherlands  
 Allergan, USA  
 Arabian Healthcare LLC, UAE  
 B P Koirala Institute of Health Sciences, Nepal  
 Bartimeus, The Netherlands  
 Bausch & Lomb, USA  
 BHP Billiton, Australia  
 Brien Holden Vision Institute, Australia  
 BRISC CARR Group Limited, Canada  
 Bristol Eye Bank, Bristol Eye Hospital, UK  
 Cambridge University, UK  
 Canadian International Development Agency, Canada  
 Canadian International Service Organisation, Canada  
 Carl Zeiss, Germany  
 Case Western Reserve University, Australia  
 Centre for Eye Research & Technology, Australia  
 Centre for Eye Research Australia, Australia  
 Centre for Sight General Hospital, Sri Lanka  
 Centre of Excellence in Molecular Biology, Pakistan  
 Champalimaud Foundation, Portugal  
 Children's Hospital of Florida, USA  
 Children's Hospital of Philadelphia, University of Pennsylvania, USA  
 Christoffel Blindenmission, Germany  
 Cicendo Eye Hospital, Indonesia  
 COIL, United Kingdom  
 Combat Blindness Foundation, USA  
 Cornea & Contact Lens Research Unit, Australia  
 Dr Wahidin Sudiro Husodo General Hospital, Indonesia  
 Duke University, USA  
 Eyesight International, Canada  
 Flaum Eye Institute, University of Rochester Medical Center, USA  
 Flinders Medical Centre, Flinders University, South Australia  
 Fred Hollows Foundation, Australia  
 Fund Incorporated, Australian Federation of University Women (AFUW) and Queensland branch, Australia  
 General Hospital, Sri Lanka  
 Harvard University, USA  
 Institute of Eye Research, Australia  
 International Agency for Prevention of Blindness, UK  
 International Association for Contact Lens Educators, Australia  
 International Center for Eye Care Education, Australia  
 International Federation of Eye & Tissue Banks, USA  
 Islamia Eye Hospital, Bangladesh

Johns Hopkins University, USA  
 Jules Stein Eye Institute, University of California, USA  
 Keeler, United Kingdom  
 Kenyatta National Hospital, Africa  
 Korle-Bu Teaching Hospital, Africa  
 Latter-day Saint Charities, USA  
 Lighthouse International, USA  
 Lions Eye Institute, Australia  
 Lions International, USA  
 London School of Hygiene & Tropical Medicine, UK  
 Massachusetts Eye and Ear InArmmary, USA  
 Massachusetts Institute of Technology, USA  
 Mayo Clinic, USA  
 MoorÄelds Eye Hospital, UK  
 National Institute of Ophthalmology & Hospital, Bangladesh  
 National Institute of Sensory Organs, Japan  
 National Institutes of Health, USA  
 Northwestern University, USA  
 Ohio State University, USA  
 Operation Eyesight Universal, Canada  
 Optometry Giving Sight, Australia  
 ORBIS International, USA  
 Pakistan Institute of Community Ophthalmology, Pakistan  
 Pharmacia & Upjohn, Sweden  
 Queensland University of Technology, Australia  
 Rotary International, USA  
 Santen Inc, USA  
 School of Medicine and Dentistry, University of Rochester, USA  
 Service de Biologie Clinique Institut Salah Azaiz, Tunisia  
 SightLife, USA  
 Sightsavers, UK  
 Stanford Graduate School of Business, USA  
 SUNY School of Optometry, USA  
 Sussex Vision International, UK  
 Tel Aviv University, Israel  
 Telesensory (S) Pte Ltd, Singapore  
 Thadikonda Research Foundation, Inc, USA  
 The Cooperative Research Center for Eye Research & Technology, Australia  
 The Hadley School for the Blind, USA  
 The Tun Hussein On National Eye Hospital and the Malaysian Association for the Blind, Malaysia  
 Tianjin Eye Hospital, China  
 Tubero, Sendai University, Japan  
 Tufts University of Medicine, USA  
 University of Aberdeen, UK  
 University of Cleveland, USA  
 University of Florida, USA

University of Heidelberg, Germany	District Blindness Control Society, Hyderabad
University of London, UK	Dr Reddy's Laboratories, Hyderabad
University of Melbourne, Australia	Essilor India Pvt Ltd, Bengaluru
University of Miami, USA	Eye Bank Association of India, Hyderabad
University of Nairobi, Kenya	Fullerton India Credit Company Ltd, Mumbai
University of Nebraska Medical Center, USA	GE Volunteer Funding, Hyderabad
University of New South Wales, Australia	Guru Nanak Dev University, Amritsar
University of Nottingham, UK	Holy Cross College, Tiruchirappalli
University of Ottawa, Canada	Indian Council for Medical Research, New Delhi
University of Pittsburgh Medical Center, USA	Indian Institute of Chemical Biology, Kolkata
University of Rochester, USA	Indian Institute of Information Technology, Hyderabad
University of South Carolina, USA	Indian Institute of Science, Bengaluru
University of Sydney, Australia	Indian Institute of Technology, Chennai
University of Tennessee, USA	Indian Orthocane Surgicals, Chennai
University of Toronto, Canada	Indian Statistical Institute, Kolkata
University of Udine, Italy	India Vision Institute, Hyderabad
University of Waterloo, Canada	Indira Gandhi National Open University, New Delhi
Vanderbilt University, USA	Institute of Health Systems, Hyderabad
Vision CRC, Australia	International Human Resource Development Centre, Coimbatore
Wellcome Trust, UK	Jammu University, Jammu
Wharton School (University of Pennsylvania), USA	JPM Rotary Eye Hospital, Cuttack
William Beaumont Hospital, USA	JP Singh Associates, New Delhi
Wills Eye Hospital, USA	Kode Venkatadri Chowdary Charitable Society, Vijayawada
World Diabetes Foundation, Denmark	Mahindra Satyam Foundation, Hyderabad
World Health Organization, Switzerland	Medfort Hospitals Private Limited, Chennai
Yangon Eye Hospital, Myanmar	Micro Vision, Ahmedabad
Yayasan Penyatun Wyata Guna, Indonesia	Microsoft, Hyderabad
<b>National</b>	
ACE Experiences Asia Pvt Ltd (DiD), Hyderabad	Milmet Laboratories Pvt Ltd, Ahmedabad
Action on Disability and Development India, Bengaluru	Narotam Sekhsaria Foundation, Mumbai
Ali Yavar Jung National Institute for the Hearing Handicapped, Secunderabad	National Association for the Blind, Mumbai
Anthropological Survey of India, Kolkata	National Institute for Mentally Handicapped, Secunderabad
Aravind Eye Hospital System, Madurai	National Institute for the Visually Handicapped, Dehradun
Armed Forces Medical Services, Hyderabad	National Institute of Mental Health and Neuro Sciences, Bengaluru
Banaras Hindu University, Varanasi	National Institute of Mental Health, Hyderabad
Bhabha Atomic Research Centre, Mumbai	National Institute of Nutrition, Hyderabad
Bharat Petroleum Corporation Limited, Mumbai	Nava Bharat Ventures Ltd, Hyderabad
Bioinovat Research Services Pvt Ltd, New Delhi	Nimmagadda Foundation, Hyderabad
Biomedical Foundation of India, Mumbai	NTPC Foundation, New Delhi
Bio-Medix Optotechnik & Devices Pvt Ltd, Bengaluru	Quality Care India Pvt Ltd (Care Hospital), Hyderabad
Birla Institute of Technology and Science, Pilani	Reliance Vision Express Pvt Ltd, Bengaluru
Blind People's Association, Ahmedabad	Sadguru Netra Chikitsalya, Chitrakoot
Calcutta University, Kolkata	Sankara Nethralaya, Chennai
CBR Forum, Bengaluru	Sarva Shiksha Abhiyan, Hyderabad
Centre for Cellular and Molecular Biology, Hyderabad	Sir Ratan Tata Trust, Mumbai
Centre for DNA Fingerprinting and Diagnostics, Hyderabad	Society for the Elimination of Rural Poverty, Hyderabad
Centre for Human Genetics, Bengaluru	State Council of Education Research and Training, Hyderabad
Charities Aids Foundation India, New Delhi	Thakur Hari Prasad Institute for Research and Rehabilitation of Mentally Handicapped, Hyderabad
C L Gupta Eye Institute, Moradabad	The Calcutta Medical & Research Institute, Kolkata
Consolidated Products Corporation Pvt Ltd, New Delhi	The Helen Keller Institute for Deaf and Deafblind, Mumbai
Council for Advancement of People's Action, New Delhi	University of Hyderabad, Hyderabad
Council of Scientific & Industrial Research, Government of India, New Delhi	VEBART Trust, Visakhapatnam
Department of Biotechnology, Government of India, New Delhi	VIMTA Laboratories, Hyderabad
Department of Science & Technology, Government of India, New Delhi	Vision For India, New Delhi
	Vision Research Foundation, Chennai
	VISION 2020: The Right to Sight, India
	Voice and Vision, Mumbai

## 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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Excellence

Equity

Efficiency