ACTIVITY REPORT
2014–2015

L V Prasad Eye Institute
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Abbreviations Used
KAR - Kallam Anji Reddy Campus
GMRV - GMR Varalakshmi Campus
KVC - Kode Venkatadri Chowdary Campus
RIEB - Ramayamma International Eye Bank
GPR-ICARE - Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care
AP - Andhra Pradesh
Centre of Excellence

Kallam Anji Reddy Campus
Hyderabad, Telangana

Tertiary Care Centres

Patia, Bhubaneswar
Odisha

GMR Varalakshmi Campus
Visakhapatnam, Andhra Pradesh

Kode Venkatadri Chowdary Campus
Vijayawada, Andhra Pradesh
(As of 31 March 2015)

Vision Centres linked to Tertiary & Secondary Centres

- Bhosle Gopal Rao
  Patil Eye Centre
  Mudhole
  Adilabad, Telangana

- Seshanna Chennawar
  Ramachandra Reddy
  Eye Centre
  Thoodukurthy
  Mahbubnagar, Telangana

- Kuchakulla
  Nandipet
  Medarpet
  Gudilathnoor
  Echoda
  Indravelly
  Neradigonda

- Venkata Lakshmi
  Prasanna
  Eye Centre
  Karamchedu
  Prakasam, Andhra Pradesh

- Sudhakar & Sreekanth
  Ravi Eye Centre
  Markapuram, Andhra Pradesh

- Bhainsa
  Kubeer
  Nandipet
  Navipet
  Narsapur
  Lokeshwaram
  Taran

- Utnoor
  Boath
  Jainath
  Bela
  Narooor
  Jann
  Jannaram
  Medarpet
  Gudilathnoor
  Indravelli
  Neradigonda

- Wanaparty
  Achampet
  Nagarkurnool
  Kothakota
  Kollapur
  Peddakothapally
  Bijnapally
  Telkapally
  Kalvakurthy
  Lingala
  Amangal

- Parchuru
  Panguluru
  Pedanandipadu
  Yeddnapudi
  Marturu
  Ballikuravu
  Epurupalem
  Chinnaganjam
  Naguluppapadu
  Vetapalem
  Narasayapalem

- Triparanthakam
  Yerragondapalem
  Dornala
  Cumbum
  Bestavaripeta
  Giddalur
  Podili
  Darsi
  Kurichedu
  Chimmakurthi

- Sudhakar & Sreekanth
  Ravi Eye Centre
  Kandukuru
  Prakasam, Andhra Pradesh

- Siloam Eye Centre
  Madanapalle
  Chittoor, Andhra Pradesh

- Swarna Bharat
  Nellore, Andhra Pradesh

- Nava Bharat
  Paloncha
  Khammam, Telangana

- Dr Kommareddy
  Raja Ram Mohan Rao
  Eye Centre
  Gudavalli
  Guntur, Andhra Pradesh

- Y Mahabaleshwarappa
  Memorial Eye Centre
  Bellary
  Karnataka

- Edward and Soona
  Brown Eye Centre,
  Dhulipalla, Guntur, AP

- OCL Eye Centre,
  Rajgangpur, Odisha

- GMRV Campus, Visakhapatnam (Srikakulam & Vizianagaram)

- KVC Campus, Vijayawada

- Shrugavaranapukota
  Chodavaram
  Revidi
  Gajapatinagaram
  K Kotapadu
  Yalamanchili
  Kailasapatnam

- Govindapuram
  Kothavalasa
  Kasimkota
  Araku
  Lakkiadam
  Lakkavarapukota

- Lodagalavanipalem
  Tekkali
  Hiramandalam
  Ranaathalam
  Ponduru
  Kotturu
  Narasannapeta

- Kapileswarapuram
  Kovvali
  Pedapadu
  Mylavaram
  Lingala

- Buttayagudem
  Agrippally
  Vissannapeta
  Movva
  Unguturu
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 1,709,382 people including 175,695 children through these various levels of care. Of these, 1.2 million (1,185,633) received eye care services entirely free of cost as part of our community programs, outpatient and surgical services at various levels.

<table>
<thead>
<tr>
<th>PATIENT CARE Service Delivery: Community Eye Health Programs</th>
<th>Entirely free of cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population covered by door-to-door surveys (600 villages surveyed)</td>
<td>629,889</td>
</tr>
<tr>
<td>Population screened (1750 community programs)</td>
<td>118,222</td>
</tr>
<tr>
<td>Schools &amp; Anganwadis (creches) covered</td>
<td>632</td>
</tr>
<tr>
<td>Population reached</td>
<td>629,889</td>
</tr>
<tr>
<td>Children screened</td>
<td>84,058</td>
</tr>
<tr>
<td>Total reached</td>
<td>713,947</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Outpatient visits</th>
<th>Entirely Free of cost</th>
<th>Surgeries</th>
<th>Entirely Free of cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY EYE CARE</td>
<td>116 Vision Centres</td>
<td>195,737</td>
<td>100%</td>
<td>NA</td>
</tr>
<tr>
<td>SECONDARY EYE CARE</td>
<td>13 Service Centres</td>
<td>175,141</td>
<td>49.8%</td>
<td>23,338</td>
</tr>
<tr>
<td>TERTIARY EYE CARE</td>
<td>Bhubaneswar</td>
<td>113,008</td>
<td>23.1%</td>
<td>11,363</td>
</tr>
<tr>
<td></td>
<td>Visakhapatnam</td>
<td>92,111</td>
<td>28.0%</td>
<td>10,689</td>
</tr>
<tr>
<td></td>
<td>Vijayawada</td>
<td>60,501</td>
<td>27.9%</td>
<td>5,913</td>
</tr>
<tr>
<td>ADVANCED TERTIARY (QUATERNARY) CARE</td>
<td>Hyderabad</td>
<td>260,547</td>
<td>27.3%</td>
<td>47,087</td>
</tr>
<tr>
<td>Total</td>
<td>897,045</td>
<td>47.0%</td>
<td>98,390</td>
<td>43.65%</td>
</tr>
</tbody>
</table>

Includes 91,637 children
Free of cost services are provided irrespective of the complexity of care.
These numbers do not include data from our partner centres.

Partner Secondary Centres | 208,031 | 46.6% | 28,132 | 62.4% |

Outpatient Visits

Surgical Procedures
The Network Grows
(As of 31 March 2014)

## Rehabilitation
Providing a better quality of life

<table>
<thead>
<tr>
<th>Service Type</th>
<th>In operation</th>
<th>In process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centre of Excellence</td>
<td>1</td>
<td>--</td>
</tr>
<tr>
<td>Tertiary Centres</td>
<td>3</td>
<td>--</td>
</tr>
<tr>
<td>Service Centres</td>
<td>13</td>
<td>3</td>
</tr>
<tr>
<td>Vision Centres</td>
<td>116</td>
<td>26</td>
</tr>
</tbody>
</table>

Capacity building collaborations
- Technical consultancy in specific areas: 16, 4

## Education
Enhancing skills and building human resources

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

- Ophthalmologists: 155, Optometrists: 95
- Other eye care professionals: 151, Vision technicians: 45
- Participants in CME and other programs: 1180, Ophthalmic nursing trainees: 21
- Community eye health professionals: 24, Others: 51

## Research
Pushing the frontiers

- Presentations
  - International: 184
  - National: 363
- Publications: 248
- Awards and Honours: 98

## Eye Banking
Facilitating the gift of sight

<table>
<thead>
<tr>
<th>Location</th>
<th>Corneas Harvested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyderabad</td>
<td>5,066</td>
</tr>
<tr>
<td>Bhubaneswar*</td>
<td>700</td>
</tr>
<tr>
<td>Visakhapatnam*</td>
<td>828</td>
</tr>
<tr>
<td>Total</td>
<td>6,594</td>
</tr>
</tbody>
</table>

*Community Eye Bank

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Annual Report 2014 - 2015
Our Team

Kallam Anji Reddy Campus, Hyderabad

G Chandra Sekhar
Director and Dr Kallam Anji Reddy Chair of Ophthalmology

Prashant Garg
Director, Academy for Eye Care Education
Dr G Chandra Sekhar Chair of Education

Subhrabata Chakrabarti
Prof Brien Holden Eye Research Centre

K V Subba Rao
Finance & Accounts

Vamshi Krishna
Human Resources

Ghanshyam
Opticals - Technology & Training

Nagarvanndha Reddy
Opticals - Operations

Sam Balasundaram
Fund Raising & Donor Relations

K Annapurna Devi
Technology

Sreedevi Yadavalli
Communications & Corporate Relations

M Shobha
Audio Visual

Elena D Roopchandra
Research

Chaitanya Nelluri
Mark Nathaniel Thadikonda & Vijayamma Nanepaga Centre for Eye Care Education

 Md Hidayath Ali
Stores

Anjanyulu B
Purchase

J Shivie Shankar
Security

Gullapalli N Rao
Chair

Taraprasad Das
Vice Chair

G Chandra Sekhar
Vice Chair

G Chandra Sekhar
Director, Kallam Anji Reddy Campus, Hyderabad

Prashant Garg
Director, Gullapalli Pratibho Rao International Centre for Advancement of Rural Eye Care (GPR ICARE)

Subhadra Jalali
Clinical Services, all Hyderabad campuses

Chandra Sekhar
Director’s Office

D Balasubramaniam
Director, Prof Brien Holden Eye Research Centre

Ocular Oncology

Mohamad Javed Ali
Milind N Naik
Vivek Pravin Dave
Apoorv Sharma
Hari Kumar
Jennifer Jaya Raj
Karnati Bhatra
Ashwin Goud
Mahender Singh
Naresh Kumar
Yugandhar Reddy
Sobia Tauren
Sanipan Roy
Siratama Anjaneyulu
VST Centre for Glaucoma Care

Sirisha Senthil
Rohit Khanna
Arun K Mandala
Vanita Pathak Ray
V B Harsha Rao
G Chandra Sekhar
Siddharth Dikshit
Nikhil Choudhari
Ashwin Goud
A Uday Kumar
Aditya Chaitanya
Cyrih Sarah
J Ganesh Babu
Kalnuri Shankar
Raghava Chary
Ravi Kumar
Shashikant Chaudhary
Unnisa Begum
Yugandhar Reddy
Seema Banerjee

JasI V Ramanam
Children’s Eye Care Centre

Ramesh Kekunna
Divya Balakrishnan
Preeti Patil Chhablani
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Ashwin Goud
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Shashikant Chaudhary
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Comprehensive Ophthalmology

Rohit Khanna
Bhupesh Bagga
Anthony Vijay Das
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Arun K Mandala
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Strabismus (Squint)/ Neuro-ophthalmology

Ramesh Kekunna
Preeti Patil Chhablani
Nikhil Choudhari

Internal Medicine

Archana Bhargava

Dietician

A Rama Devi

Refactive Clinic Team

J Ganesh Babu
Ravi Kumar
T Shyam Sunder
A Uday Kumar
Winston D Prakash
Vijay Shashwath Goud
P Veerendra Nath

Admnistration

I Jojo Prasad
Operations

E S Manjula

Patient Care

G Vijaya

Nursing

Kishore Babu
Medical Records

SBN Chary
Photography

Snehashis Mitra

Properties & Maintenance

City Centre, Madhapur
Bhupesh Bagga
Anjul Kumar
Krishnendu Mandal
Kiranmayi Ch
Dharani Tripaneni
Sushma Gollapudi
Sana Quadri

Administration

K Durga Dhanraj

Vision Rehabilitation Centres

Meera & L B Deshpande Centre for Sight Enhancement

Vijay K Gothwal
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P K Sai Prakash
Principal

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Shirkit RK Bharadwaj
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S Karthikey Kumar
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Vijaya L Ramam
P Shailaja
T Shyam Sunder
M Srikanth

Eye Care Education

Director and Dr G. Chandra Sekhar Chair of Education

Dr PRK Prasad Centre for Sight Enhancement

Beula Chisty

Visually Impaired

Rehabilitation of Blind & Visually Impaired

K Annapurna Devi
Technology

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Sujata Das
Director & Dr Taraprasad Das
Chair of Ophthalmology

Clinical Services
Cornea & Anterior Segment
Srikant K Sahu
Sujata Das
Contact Lens & Refractive Surgery
Srikant K Sahu
Sujata Das
Satabdi Sundaray
Arnab Ghosh
Consultant Optometrists
Sujoy Mukherjee
Glucoma
Sanghamitra Dash

Visually Challenged

NTPC Centre for Sight Enhancement and Rehabilitation of Visually Challenged
Ch Sirajum Monira
Sumita Lima
Soumya Panda
Ocular Microbiology Service
Savithri Sharma
Dalma Ophthalmic Pathology Service
Ruchi Mittal
Anesthesia Services
Debendranath Das
Pathak Centre for Eye Care Education
Suryasanta Rath
Suchitra Panda

GMR Varalakshmi Campus, Visakhapatnam

Merle Fernandes
Director

Clinical Services
Cornea & Anterior Segment
Merle Fernandes
Jayesh Vazirani
Rashmi Shukla
Abhishek C Bawdekar
Rekha Gunturu
Contact Lens & Refractive Surgery
Merle Fernandes
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Ocular Microbiology Service
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Suryasanta Rath
Suchitra Panda

Kode Venkatadri Chowdary Campus, Tadigadapa, Vijayawada

Avinash Pathengay
Acting Director

Clinical Services
Cornea & Anterior Segment
Mahesh Kalyankar
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Aravind Roy
Retina & Vitreous
Vishal R Raval
Sameera Nayak

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Centre for Sight Enhancement
A Narasiah
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Rohit C Khanna
Director
V Rajashekar
Executive Director
Service Delivery
(Secondary, Primary and Community Eye Care)
Varsha Rathi

Visually Challenged

Ramachandra Pararajasegaran Community Eye Health Education Centre
Srinivas Marmamula
Jachin D Williams
Asha Latha Mettila
Korani Jyothi

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Giridhar Pyda
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(Secondary, Primary and Community Eye Care)
Varsha Rathi

Visually Challenged

Ramachandra Pararajasegaran Community Eye Health Education Centre
Srinivas Marmamula
Jachin D Williams
Asha Latha Mettila
Korani Jyothi

Visually Challenged

Allen Foster Community Eye Health Research Centre
Srinivas Marmamula
Giridhar Pyda
Asha Latha Mettila

Visually Challenged
Boards of Management

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

Hyderabad Eye Institute

Chair
Dr Gullapalli N Rao
Founder-Chair
L V Prasad Eye Institute, Hyderabad

Members
Mr Ramesh Prasad
Managing Director
Prasad Film Laboratories Ltd., Hyderabad

Prof K Srinath Reddy (until December 2014)
President
Public Health Foundation of India, New Delhi

Prof Seyed E Hasnain (until December 2014)
School of Biological Sciences
Indian Institute of Technology, New Delhi

Dr V Raghunathan
Chief Executive Officer
GMR Varalakshmi Foundation, Hyderabad

Dr F C Kohli
Chairman Emeritus
Tata Consultancy Services Ltd., Mumbai

Dr Sunil K Singh
Consultant Eye Surgeon
Precision Eye Care
Lucknow
(Alumni Representative)

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
Founder-Chair
L V Prasad Eye Institute, Hyderabad

Members
Dr S P Vasireddi
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Dr A V Rama Rao
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AVRA Laboratories Pvt Ltd, Hyderabad
Former Director
Indian Institute of Chemical Technology (IICT), Hyderabad

Chair
Dr Aijt Rangnekar
Dean
Indian School of Business
Hyderabad

Dr Vijayalakshmi Ravindranath (from March 2015)
Professor & Chair
Centre for Neuro Science
Indian Institute of Science
Bengaluru

Prof D Balasubramanian (Ex-Officio)
Director – Research
Hyderabad Eye Research Foundation
L V Prasad Eye Institute
Hyderabad

G Chandra Sekhar (Ex-Officio)
Vice Chair
Director, Kallam Anji Reddy Campus
L V Prasad Eye Institute, Hyderabad

Taraprasad Das (Ex-Officio)
Vice Chair
L V Prasad Eye Institute
Hyderabad

Ramam Atmakuri (Ex-Officio)
Executive Vice Chair
L V Prasad Eye Institute
Hyderabad

Chair
Prof K V Ramakrishna Ramaswamy
Vice Chancellor
University of Hyderabad
Hyderabad

Mr B V R Mohan Reddy
Founder, Chairman & Managing Director
Cyient Limited (formerly Infotech Enterprises)
Hyderabad

Mr Anil Bhansali (from March 2015)
Managing Director
Microsoft India (R&D) Pvt. Ltd. & General Manager
Cloud and Enterprise Engineering Teams at Microsoft India Development Center (MSIDC)
Hyderabad

G Chandra Sekhar (Ex-Officio)
Vice Chair
Director, Kallam Anji Reddy Campus
L V Prasad Eye Institute, Hyderabad

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AVRA Laboratories Pvt Ltd, Hyderabad
Former Director
Indian Institute of Chemical Technology (IICT), Hyderabad
Foreword

Depth, Breadth and Impact

It is said that purposeful and long term survival of an organisation is based on its values. Our Institute was founded on the values of “Excellence” and “Equity” and we have never wavered from these in our journey. In the past couple of years, this was further extended to include Integrity, Patient First and Togetherness. As I reflect on the year past, several facets of our work were clear manifestations of these values.

A record performance in the field of corneal transplantation with over 20,000 transplants done, and over 45 percent of these at no cost to the recipient, exemplifies the reconciliation of the two foundational values even in the care of complex corneal problems. Building what has become one of the biggest cornea services in the world, from nothing, meant creating each component of this complex system and integrating it into an impactful service. This service touched every economic, social, geographic, gender and generational group, created nearly two thirds of the trained corneal specialist force in India; and for many countries, their sole cornea specialists. Over the years, the service has gone deeper into such areas as stem cell transplantation, keratoprosthesis and bioengineered corneas, employing cutting edge technologies. Research covers many facets of corneal disease including infections, regeneration, dry eye and several aspects of corneal transplantation, with focus on the “translational” component. Our cornea service indeed exemplifies all aspects of work that our Institute stands for – Service, Education, Research, Advocacy, Policy and Planning. This is the approach we follow in each of the subspecialty areas. Retinopathy of prematurity, glaucoma, diabetic retinopathy and refractive errors are a few other areas where a similar process is being implemented.

We broadened our geographic reach with our foray into the rural hinterlands of the state of Odisha (formerly Orissa). The first secondary level eye care centre in the north-western part of the state will cover a grossly underserved population. Local funding, and employees mostly drawn from local communities, ensure community partnership and enhance the chances of its success. Nearly a million people in this geographic area can access high quality comprehensive eye care provided by a highly trained eye care team. This model will be expanding to three other rural locations in the near future, a replication of our successful model in Andhra Pradesh and Telangana. While on rural eye care, let me add that our count of primary eye care vision centres has now reached one hundred and sixteen.

We have also proven ourselves to be quite good at repair and reconstruction, with nature testing our resilience when the super cyclone “Hudhud” hit Visakhapatnam on the east coast of India with massive devastation. But the value of “togetherness” of our team made our tertiary campus ready for services in 24 hours keeping alive the value of “Patient First”. Many team members across the network made personal contributions to cover for the losses sustained by some of our colleagues showing “togetherness” of the highest degree.

A couple of years ago, we embarked on our vision of “Next 25”, beginning with six initiatives. The progress made on each of these during the year has been very encouraging, and the new wave of “Corporate Social Responsibility” funding from the Indian corporate sector made a significant difference. The image and the reputation of our Institute - our “Integrity” - a value that we cherish, helped the Institute become a desirable candidate for funding. Grants from some of our long term partners further helped. Children’s Eye Health, Eye Care for the Elderly, Eye Banking, Eye Cancer, Ocular Regeneration and the Academy for Eye Care Education have all progressed well due to this infusion. Expansion, enhancement and innovation were the features of this progress.

Education programmes covering all cadres of eye care personnel have become sharper and our capacity has increased. Research component continued to flourish with excellent outcomes while becoming broader and deeper. Infections, stem cell biology, visual psychophysics, ocular tuberculosis and epidemiology are some of the examples.

As in earlier years, many in our team were recipients of accolades from all over the world that enhanced our image significantly. The generosity of our friends and supporters continued to grow making it possible for our proliferation more impactful. To all of them, we convey our deepest sense of appreciation.

Gullapalli N Rao
Chair, Board of Trustees
Awards and Honours

International

D Balasubramanian
• Science Diplomacy Award, World Academy of Sciences, Muscat, 25-28 October 2014; Category: Advancement of science in developing nation.
• Guest of Honour, Delivered the Convocation Address, BITS Pilani, Dubai campus, 6 September 2014.

Subhabrata Chakrabarti
• Founder Member, Asian Eye Genetics Consortium (AEGC), under the aegis of the National Eye Institute, USA.
• Vice President, Asian Eye Genetics Consortium - A joint initiative: National Institute of Sensory Organs Tokyo Medical Centre, Japan; National Eye Institute; National Institute of Health, USA.
• Committee member, Association for Research in Vision and Ophthalmology (ARVO), Global Eye and Vision Sciences Research Training Initiative.
• Oration, Association for Research in Vision and Ophthalmology (ARVO), Egypt Chapter; 2014.
• International Reviewer, PhD Review Panel, University of New South Wales, Sydney, 2014.
• International Reviewer, PhD Review Panel, Chinese University of Hong Kong, 2014.

Jay Chhablani
• Senior Honour Award, American Society of Retina Specialists (ASRS).
• Member, Global ONE network, American Academy of Ophthalmology.

Sunita Chaurasia
• Achievement Award, American Academy of Ophthalmology (AAO).

SBN Chary
• First prize and 3 Honourable Mentions, Annual Symposium and Congress: American Society of Cataract and Refractive Surgery (ASCRS) and American Society of Ophthalmic Administrators (ASOA), San Diego, 21-27 April 2015.

Taraprasad Das
• Committee Member, International Council of Ophthalmology (ICO) Vitreoretinal Diseases and Surgery Subspecialty Fellowship Committee.

Naresh Gattu
• Second Prize and One Honourable Mention, Annual Symposium and Congress: American Society of Cataract and Refractive Surgery (ASCRS) and American Society of Ophthalmic Administrators (ASOA), San Diego, 21-27 April 2015. This is a hatrick for him.

Subhadra Jalali
• Honoured, Distinguished Lecturer, Boston Children’s Hospital Foundation, Harvard Medical School, July 2014.

Swathi Kaliki
• Achievement Award, American Academy of Ophthalmology, Chicago, 18-21 October 2014.

Ramesh Kekunnaya
• Member, Professional Education Committee, American Association for Pediatric Ophthalmology and Strabismus (AAPOS), 1 July 2014-30 June 2015.
• International Scholar Award, American Academy of Ophthalmology 2014.
• Section Editor, British Journal Of Ophthalmology, June 2014.

Rohit C Khanna
• Member, Editorial Board of PLOS ONE - A Scientific Journal.
• Member, Programme Committee, 10th General Assembly of International Agency for Prevention of Blindness, Durban, 27-30 October 2016.
• Member, Steering Group Committee, Commonwealth Eye Health Consortium, Open Educational E-learning Resources / Courses (OER).

Srinivas Marmamula
• Travel Grant to attend Asia ARVO (Association for Research in Vision and Ophthalmology) Meeting, Yokohama, Japan, 16-19 February 2015.

Ruchi Mittal
• Awarded, University of Liverpool - India Fellowship, Department of Molecular and Clinical Cancer Medicine, University of Liverpool, United Kingdom, 2014-2015.

Rohit Modi
• Travel Grant, Department of Science and Technology, Government of India, October 2014.

Ashik Mohamed
• Winner, Annual Student Photo Competition, School of Optometry and Vision Science, University of New South Wales (UNSW), Australia, September 2014; Title: Minishadowgraphy images of isolated human donor lenses.
• Postgraduate Research Support Scheme (PRSS) Recipient, Graduate Research School, The University of New South Wales, Sydney, Australia, Apr 2014.

Somasheila Murthy
• Achievement Award, American Academy of Ophthalmology (AAO), 2014.
• Best Poster of the Session Award, American Academy of Ophthalmology, Chicago, 2-18 October 2014; Title: Prosthetic Replacement of the Ocular Surface Ecosystem in Stevens-Johnson Syndrome.
Awards and Honours

Frost & Sullivan’s Best Practices Awards
LVPEI was the proud recipient of the ‘2014 Frost & Sullivan India Technology Innovation Leadership Award for Eye Care Solutions’. Dr G Chandra Sekhar received the award on behalf of the Institute on 23 September 2014.

National

Mohammad Javed Ali
• AIOS-APAO Santosh G Honavar Award, Agra, January 2015; Category: Best lacrimal research.
• Raman Mittal Award, Best Paper, APSOPRS, Delhi, 2014.
• Rapid Fire Award, Best paper, APSOPRS, Delhi, 2014.
• Dr P Ranga Reddy Endowment Lecture, Annual Conference of Sarojini Devi Eye Hospital, July 2014; Topic: The Great Debate: Approaches to Lacrimal Interventions.

Ramam Atmakuri
• Hyderabad Software Exporters Association (HYSEA) Award, 12 March 2015; Category: Outstanding Service to the IT Industry.

D Balasubramanian
• Nayudamma Gold Medal, Andhra Pradesh Academy of Sciences, 13 November 2014; Category: For lifetime contributions to research and education.
• Eminent Educator Award for Lifetime, INDUS Foundation, Hyderabad, 20 November 2014; Category: Education, Research and Social Welfare.
• TWAS Science Diplomacy Award, Bangalore, 18-20 February 2015.

Kishore Babu
• Best Paper Presentation, Annual National Medical Records Conference MEDRECON, Tamil Nadu, 6-7 March 2015; Title: Medical Records: Role and Accreditation Process.

Deepak K Bagga
• Amjad Rahi Prize, Best Poster Presentation, Clinical Sciences, IERG 26-27 July 2014; Title: Educational levels in patients with Albinism. Co-authors: Vijaya K Gothwal and Adedayo O Adio.

Seema Banerjee
• Young Leadership Program Award, Indian Vision Institute, Hyderabad, 2014-2015.

Umesh C Behera
• Best Poster award, Vitreo-retina society of India, Annual Meet, Agra, November 2014; Title: Pulsating long posterior ciliary artery and the mysterious temporal macular dimple.

National Newborn Week 2014 Award
The National Newborn Week 2014 Activities Award was jointly awarded to LVPEI and the Odisha State Branch of National Neonatology Forum (NNF). Subhadra Jalali received the award from the Bihar Minister of Education and Human Resource Development Shri Brishen Patel on 5 December 2014 in Patna.

BSLO Wins Educational Excellence Award
The Bausch and Lomb School of Optometry (BSLO) won the award for Educational Excellence presented by the Indo-Global Education Expo and Summit 2014.

Muralidhar Ramappa
• Achievement Award, American Academy of Ophthalmology, November 2014.

Gullapalli N Rao
• Chair, Academia Ophthalmologica Internationalis.
• Delivered the prestigious W Morton Grant lecture, Tufts Medical School, Boston.
• Delivered the Professor Barrie Jones Lecture; Royal College of Ophthalmologists, Annual Congress, Birmingham, UK.
• Member, Board of Trustees, Orbis UK, London.
• Member, Board of Trustees, SightLife International, Seattle, USA.

Varsha M Rathi
• Best Poster of the Session Award, American Academy of Ophthalmology, Chicago, 2-18 October 2014; Title: Prosthetic Replacement of the Ocular Surface Ecosystem in Stevens-Johnson Syndrome.

Jagadesh C Reddy
• Travel Grant to attend World Ophthalmology Congress (WOC) 2014, Tokyo, Japan, April 2014.

AR Sandeep Roy
• A picture clicked by him on the cover page of Eurotimes, October 2014 issue.

Virender S Sangwan
• Senior Achievement Award, American Academy of Ophthalmology (AAO).

Sachin Shukla
• Best Abstract Award and Wings for Life Travel Award, Joint Symposium of the “4th International Neural Regeneration Symposium (INRS),” the “6th International Spinal Cord Injury Treatment and Trials Symposium (ISCITT)” and the “9th Asia Pacific Symposium on Neural Regeneration (APSNR),” China, 6-10 September 2014.
• Travel Award, 3rd International Conference on Hydrogen Sulfide in Biology and Medicine (H2S2014), Kyoto, Japan, 4-6 June 2014.

Pravin K Vaddavalli
• (Co-author) Best Poster, American Society of Cataract and Refractive Surgery (ASCRS) in category of cornea; Title: Real-Time Intraoperative OCT Imaging: Lamellar Keratoplasty and Donor Tissue Preparation.

L Srinivasa Varadharajan
Jay Chhablani
- Member, Editorial Board, Indian Journal of Ophthalmology.

Subhabrata Chakrabarti
- Re-elected, Executive Council, Indian Society of Human Genetics (ISHG).

Taraprasad Das
- Delivered the Adenwala Oration, 73rd All India Ophthalmological Society (AIOS), New Delhi, 5-8 February 2015.

Siddharth Dikshit
- Best poster, Glaucoma Society of India, Bhubaneswar, 12-14 September 2014; Title: Glaucoma progression on 24-2 versus 10-2 Humphrey visual field examinations.

Rajat Jain
- Suryanarayan Gold Medal, Annual Conference, Rajasthan Ophthalmological Society in Kota, 5-7 September 2014; Category: Best competitive paper.

Subhadra Jalali
- Patron, Telangana Women Ophthalmologists Society, March 2015.
- Member, National Board of Examinations, Evaluating Theory Answer Sheets and Conducting Feedback Sessions, DNB Ophthalmology Residents, March 2015.
- Chief Guest, International Women’s Day, Shantha Biotech Pharmaceuticals, 6 March 2015; Title: Triumphs and challenges as a woman ophthalmology practitioner. 2) Preventing blindness in your newborns.
- Member, Extended and Re-Constituted ROP National Task Force, Department of Health and Family Welfare, Government of India, October 2014.

Joveeta Joseph
- Dr C S Bhaskaran Gold Medal, 18th Annual Conference of Indian Association of Medical Microbiologists, AP Chapter, Khammam, Telangana, 7-8 February 2015; Category: Junior Best Paper Award; Title: Corynebacterium spp. endophthalmitis: Clinico-microbiologic profile and outcomes.

Parthasarathi Kalaiselvan
- Best Poster, 36th All India Optometry Conference held at Agra, 6-8 September 2014. Title: Corneal Asphericity in Normal and Keratoconus Eyes - Quadrant-wise analysis. Co-authors: Ashik Mohamed, Shyam Sunder Tunmanapalli and Pravin K Vaddavalli.
- Grand Prize Winner, All India Cooper Vision Quiz (South zone), September 2014.

Inderjeet Kaur

Rohit C Khanna
- Prof R P Pokhrel ACOIN NNJS Indo Nepal Friendship Award 2013, Association of Community Ophthalmologists of India (ACOIN), Kolkata, 31 October-2 November 2014.

Shrinivas Marmamula
- Wellcome Trust/DBT India Alliance - Early Career Fellowship, 2015 to 2020; Project Title: Impact of intervention for avoidable visual impairment among the elderly population in residential care in and around Hyderabad, India.

Avinash Pathengay
- K Vengal Rao Award, 38th Annual Conference of Andhra Pradesh Ophthalmological Society, Rajahmundry, October 2014; Category: Best Paper; Title: A new clinical sign in parafoveal telangiectasia.
- Scientific Committee, Andhra Pradesh Ophthalmological Society, October 2014.

Raja Narayanan
- Elected, Joint Secretary, Vitreo-retinal Society of India, December 2014.

Padmaja Kumari Rani
- Member, Expert Group: Capacity building of ophthalmologists for management of diabetic retinopathy, Queen Elizabeth Diamond JubileeTrust (QEDJT), January 2015.

Suryasnata Rath
- Best Free Paper Award, APSOPRS, New Delhi, September 2014; Title: Modified transconjunctival dacryocystorhinostomy.

Sonika Rathi

Virender Sachdeva
- V Raghavachar Award, 38th Annual Conference, Andhra Pradesh Ophthalmological Society, Rajahmundry, October 2014; Category: Best Paper; Title: Treatment of Non arteritic Ischaemic Optic Neuropathy (NAION) - Intra-vitreal Avastin Vs oral corticosteroids.
• Swarup’s Best Video Award, 38th Annual Conference, Andhra Pradesh Ophthalmological Society, Rajahmundry, October 2014; Title: Re-operations in horizontal strabismus: make the second chance count.

G Chandra Sekhar
• Delivered Dr C S Grover Oration, 11th Annual UKOS Conference, UTTARA-EYECON 2014, Mussoorie, 4-5 October 2014; Title: Understanding and improving clinical acumen.

Premnandhini Satgunam
• Proposal shortlisted for the final round of the CAMTech India Innovation Award; Title: “Pediatric Perimeter”

Savitri Sharma
• Dr K Rajyalakshmi Memorial Oration Award, 18th Annual Conference, Indian Association of Medical Microbiologists, AP Chapter, Khammam, Telangana, 7-8 February 2015; Title: The rigour and relevance of research in eye infections: An account of 28 years.

S Shivaji
• Carl Woese Memorial Award, Association of Microbiologists of India, September 2014; Category: Excellence in Microbiology.

Sachin Shukla
• DST - INSPIRE Faculty Award - 2014, Department of Science and Technology (DST), Govt. of India.
• Amjad Rahi Prize, Indian Eye Research Group ARVO - India Chapter - 21st Annual Meeting, 26-27 July 2014; Category: Best Poster Presentation; Title: Analysis of trans differentiation potential of human dental pulp stem cells: Clinical implications for bilateral limbal stem cell deficiency

Pravin K Vaddavalli
• Founder Member, Executive Committee, Cornea Society of India.
• Chairperson, Scientific Committee, Telangana Ophthalmological Society.

Shyam Sunder Tummanapalli
• Winner, All India CooperVision Quiz (South zone), September 2014.
Srikakulam District, AP
- 104th Vision Centre at Kotturu: 25 April
- 105th Vision Centre at Hiramandalam: 25 April
- 106th Vision Centre at Narasannapeta: 25 April
- 107th Vision Centre at Ponduru: 26 April
- 108th Vision Centre at Ranathalam: 26 April

Cuttack, Odisha
- 109th Vision Centre at Banra: 26 May

Guntur, AP
- 110th Vision Centre at Narasayapalem: 28 December

West Godavari, AP
- 111th Vision Centre at Unguturu: 30 January

Vizianagram, AP
- 112th Vision Centre at Lakkidam: 25 February
- 113th Vision Centre at Bhogapuram: 25 February
- 114th Vision Centre at Lakkavarapukota: 26 February

Visakhapatnam, AP
- 115th Vision Centre at Lodagalavaniapalem: 22 March

Nellore, AP
- 116th Vision Centre at Podalukuru: 29 March

New Secondary Centres
- Ground breaking ceremony of the secondary centre at Rayagada, Odisha was performed: 12 July
- The 12th Secondary Centre was inaugurated at Dhulipalla village, AP: 12 January
- The 13th Secondary Centre was inaugurated at Rajganpur, Odisha: 27 February

New Computer Training Centre
Computer Training Centre for the Visually Challenged was inaugurated at LVPEI Visakhapatnam: 4 September
His Excellency Dr APJ Abdul Kalam, former President of India, launched the Children’s Eye Health Initiative and the LASIK services at the Kode Venkatadri Chowdary (KVC) Campus on 15 March 2015. He dedicated the KVC Campus to the people of Vijayawada.

LVPEI created history by performing 20,000 corneal transplant, the largest done by a single centre in the world. Governor of Telangana and Andhra Pradesh, Sri ESL Narasimhan lauded the institute’s effort during a felicitation ceremony organized on 14 January 2015.

As part of our initiative “Eye Care for the Elderly”, a Geriatric Eye Care Centre, will soon start at our GMR Varalakshmi Campus in Visakhapatnam. The centre is supported by Aurobindo Pharmaceuticals.

Indian Oil Corporation Limited (IOCL) signed an MoU with LVPEI Bhubaneswar on 16 March 2015 for developing a Centre for Rural Eye Health in the campus.

An initiative for Community Based Rehabilitation (CBR) in the urban slums of Ranga Reddy and Hyderabad districts, supported by Tech Mahindra Foundation, was launched on 7 June 2014.

LVPEI signed an MoU with Operation Eyesight Universal, Canada on 12 February 2015 to establish the “Operation Eyesight Institute for Eye Cancer”.

LVPEI signed an MoU with Special Olympics Bharat in February 2015 for quality vision care of aspirants to the Special Olympics Lions Club International Opening Eyes program.

The Eight Annual Champalimaud Research Symposium was held on 1 February 2015, where Prof Shigeru Kinoshita of Kyoto University delivered the Champalmaud lecture on “Cutting Edge in Corneal Regenerative Medicine”.

On 8 August 2014, LVPEI performed India’s first inflatable orbital implant surgery on a one year old child with only one eye.

Eye Pep – the Post Graduate Education Program, held from 23-28 November 2014, was attended by 200 students from across the country.

Professor Brien Holden Eye Research Centre (BHERC) hosted an event “Eye Opener” to educate the students on the various scientific research activities taking place in LVPEI on 1 November 2014.

The world Glaucoma Week (WGW) was observed across the LVPEI network from 8-4 March 2015 with a series of activities focusing on early detection and prevention of glaucoma through family screening.
Endowment Lectures
Prof C Syamala Bhaskaran Endowment Lecture

Dr Michael T Trese, MD, Beaumont School of Medicine and Wayne State University School of Medicine, Michigan, delivered the Prof C Syamala Bhaskaran Endowment Lecture on ‘Blinding diseases in premature newborns: Management of ROP in the 21st century’ on 5 November 2014 at the Kallam Anji Reddy Campus, Hyderabad.

Dr Gangadhara Sundar, Head and Senior Consultant, Orbit and Oculofacial Surgery, National University Health System, Singapore delivered the Prof C Syamala Bhaskaran Endowment Lecture on ‘Orbital Trauma and Reconstruction’ at LVPEI Bhubaneswar campus on 3 July 2014.

Nawab Arastu Yar Jung Bahadur Memorial Lecture

Prof Adrian Glasser, PhD, Benedict-Pitts Professor, Optometry and Vision Sciences and Biomedical Engineering, University of Houston, delivered the Nawab Arastu Yar Jung Bahadur Memorial Lecture on 4 February 2015 on ‘How the young eye can focus at near and why this fails as we get older’.

Bijayananda Patnaik Memorial Lecture

Prof Sharat Chandra, Director, Centre for Human Genetics, Bangalore and Emeritus Professor Indian Institute of Science, Bangalore delivered the Fifth Bijayananda Patnaik Memorial Lecture on ‘Genes and Genome’ on 16 January 2015 - the Foundation Day of LVPEI Bhubaneswar. He spoke about the socio-legal and scientific implications of developments in genetic engineering. Present on the occasion were Dr Kalsi Patnaik, wife of Dr Bijayanada Patnaik and their family members.

Dr Rustam D Ranji Award and Lecture

The Dr Rustam D Ranji Rotary Award and Lecture on 23 September 2014 at the Patodia Auditorium had Dr Ramachandra Pararajasegaram, former President of International Agency for Prevention of Blindness (IAPB) and currently affiliate of IAPB, speak on “Perspectives of Eye Health in India: Past, Present and Future.”

The lecture was sponsored by the Rotary Club of Central Railways, Indian Airlines and KEM Hospital, Mumbai. The lecture is held annually in memory of the late Dr Rustam D Ranji, one of Hyderabad’s leading practitioners, Honorary Ophthalmologist to the former Nizam, and consultant to the State and Central Railways, Indian Airlines and KEM Hospital, Mumbai.
To borrow the words of our beloved Chairman, an Institute is one that practices, generates and disseminates new knowledge. The team at Kallam Anji Reddy Campus can proudly say that we are an Institute that follows this philosophy to the core. Our team led by Dr Virender S Sangwan and Dr Sayan Basu have pioneered a path breaking stem cell therapy called Simple Limbal Epithelial Transplant (SLET), that is now being practiced all over the world. We have conducted better advanced and specialized training programs for SLET, treatment of Retinopathy of Prematurity (a blinding problem in premature infants) and a relatively new and less invasive corneal transplant called DSEK that results in better recovery compared to the traditional penetrating keratoplasty. Another major landmark that we crossed this year was the completion of 20,000 cornea transplants surgeries, the highest ever performed by a single centre.

We are proud of the accolades our team of doctors has bagged in the last year. The list is impressive with a number of international recognitions, editorial board positions in reputed journals, administrative positions in scientific associations etc. All this proves that our team of doctors is not only involved in patient care, but is equally active in research and education.

Patient care is of utmost importance and we leave no stone unturned to ensure that we do the best we can in this area. Towards the end of this year, we will be moving to our new enhanced infrastructure with improved systems, ever increasing focus on quality and with a strong commitment to our values of Patient First, Excellence, Equity and Integrity.

G Chandra Sekhar
Vice Chair,
Director,
Kallam Anji Reddy Campus, Hyderabad
Disruptive Stem Cell Treatment

Collaborative research by Dr Sayan Basu working with Prof James L Funderburgh at the University of Pittsburgh School of Medicine, USA, has resulted in the discovery of potent limbal stem cells in the eye that can restore lost sight. Corneal scarring following infection or injury to the eye affects more than 250 million people worldwide and blinds over 6 million of them. Dr Basu found that when the stem cells were applied to damaged corneas, they healed and became clear again within four weeks of treatment. This can potentially decrease the need for corneal transplants. Since the stem cells used were from the same person’s eyes there would be no need for donors or fear of rejection and failure. The disruptive new treatment is now in clinical trials at LVPEI.

First of Its Kind Surgery in India

LVPEI performed India’s first inflatable orbital implant surgery on a one year old child, born with only one eye. With this, the institute can now offer solutions to thousands of children suffering from Congenital Anophthalmia across the country. Congenital Anophthalmia, is a case where the eyeball is absent since birth and gives rise to gross under-development of facial bones around the eye and also leads to a significant cosmetic deformity in adult life. Designed by the doctors in Bascom Palmer Eye Institute, Miami, this special implant (IOTE) is fixed to one of the bony walls with special plate and screws. The ‘ball’ component stays in the natural position of the absent eyeball and can be gradually inflated with saline injections at regular intervals, similar to inflating a balloon. Dr Tarjani Dave, Consultant, Socket Services and Ocularistry, Department of Ophthalmic Plastic Surgery, LVPEI performed this surgery on 8 August 2014.

Eminent Visitors

Mr Deepak Obhrai, Canadian Parliamentary Secretary to the Minister for Foreign Affairs and International Human Rights, along with Mr Stanley Gomes, Consul and Senior Trade Commissioner - South India and a couple of Canadian business representatives, visited LVPEI on 16 October 2014.
LVPEI Creates History

Governor of Telangana and Andhra Pradesh, Sri ESL Narasimhan lauded the efforts of the LVPEI team for performing 20,000 corneal transplants and creating history on 14 January 2015.

28th Foundation Day

Commander Abhilash Tomy, who has been awarded the Kirti Chakra (second highest peacetime gallantry award in India) and the Tenzing Norgay National Adventure Award, delivered a motivational talk on the occasion of LVPEI’s 28th Foundation day, 17 October 2014. He shared his experiences about his adventurous feat in being the first Indian and second Asian to complete a solo circumnavigation under sail in 151 days, as a part of the Indian Navy’s Sagar Parikrama project.

First Ever 3D Oculoplasty Show

The Ophthalmic Plastic Surgery service at LVPEI conducted the first ever 3D Oculoplasty Show at the annual conference of the All India Ophthalmological Society (AIOS) on 5 Feb 2015 in New Delhi. Ophthalmologists had the pleasure to view eye-plastic surgeries in 3D, using active 3D glasses. The show was well accepted and LVPEI plans to replicate this show in several conferences across the country to enhance the learning of eye doctors.

Vision Lifeline Project Goes Live

Vision Lifeline Project for more efficient and effective systems and processes was declared ready for use on 21 February 2015 with the “going live” of the Integrated Service Platform in SAP developed for LVPEI by Cyient.

Eye Movement Recording System Installed

Eye Movement Recording System was installed at the Jasti V Ramanamma Children’s Eye Care Centre with funding support from Cognizant Foundation. The equipment will help record the pattern of different types of eye movement abnormalities among children and adults, specifically in patients with Nystagmus - a condition that causes involuntary and rapid movement of one on both eyes.
The second edition of the “Engineering the Eye” workshop, Rethinking Engineering Design eXecution (REDx), was hosted in collaboration with Tata Centre for Technology and Design and MIT Media Lab on 13 July 2014 at Cyient Campus in Hyderabad. Professor Raghunath Mashelkar, an eminent scientist and Chairman, National Innovation Foundation - India, inaugurated the workshop.

Knowledge Exchange with Philippines Academy of Ophthalmology

To learn from the experiences and findings of LVPEI’s Indian Twin Cities Retinopathy of Prematurity (ITCROP) model, Dr Subhadra Jalali was invited as a WHO sponsored expert by the Government of Philippines as part of their ROP blindness control program. Detailed discussions were held during the two days workshop 8-9 May 2014. LVPEI’s Day-30 screening strategy for ROP was highly appreciated by all present there.

Spreading Awareness about Retinoblastoma

Retinoblastoma Awareness Week was observed from 11-18 May 2014, to create awareness about retinoblastoma, affecting children between 0-5 years. As 80% of these cases are first recognized by the family and only 20% through checkups, it is critical for the family to be aware of the symptoms of this disease for timely treatment. The event was marked by a series of awareness workshops and educational seminars focusing on educating health care workers, teachers and volunteers on early detection and treatment for retinoblastoma. The aim was to prepare them as catalyst for disseminating awareness in the community.

Mobile Apps for Climate Change

“Mobile Apps for Climate Change” was launched on 9 December 2014 by World Wide Fund for Nature-India (WWF) and Ladybird Environmental Consulting (LEC) in association with LVPEI. The program was a Citizen Science Programme for Schools in metros and involved development of three mobile apps for school children on urban birds, butterflies and trees.
Good for Health, Good for Mind

Clients from the rehabilitation program and their parents enthusiastically learnt the different forms of yoga in the one-day workshop organized on 18 October 2014 and expressed their desire to attend many more such workshops.

Fun Camp

The Dr PRK Prasad Centre for Rehabilitation of the Blind and Visually Impaired held its 17th Annual Integrated Fun Camp on 13 December 2014. Over 288 participants including the visually impaired and their family enjoyed the fun camp.

Parents of Visually Impaired Children Educated on Sexual Abuse

As part of the rehabilitation department’s ongoing monthly forum for parents, an interaction on “Tackling issues on sexual abuse and the legal processes involved”, was organized on 9 August 2014. The parents’ forum has been developed to empower and educate parents of visually impaired children.
An Ode to Duty

On the occasion of International Nurses’ Day on 12 May 2014, our nurses took an oath to continue being faithful to their profession. The day was celebrated with lot of enthusiasm and fun.

Second Blood Donation Camp

On the occasion of World Blood Donor’s Day, a blood donation camp organized across LVPEI’s Hyderabad, Vijayawada and Visakhapatnam campuses on 14 June 2014, received participation from a total of 377 donors. Following an agreement with the NTR Memorial Trust to benefit LVPEI patients, this was the second blood donation camp. CEO Dr Kondaiah and Advisor Mr BV Chowdhary of the Trust visited the Hyderabad campus to acknowledge the initiative; Mr O Naresh Kumar, CEO of Symbiosis Technologies was the chief guest at Visakhapatnam.
We made a giant leap this year by extending our community eye care services beyond the tertiary centre in Bhubaneswar. Our first secondary centre at Rajgangpur was inaugurated in February by His Excellency Dr APJ Abdul Kalam, former President of India. Our very first vision centre in Odisha was inaugurated at Banra village in May 2014.

A total of 113,008 people visited the Institute and 11,659 surgeries were performed. Of these, 23% outpatients and 38% surgeries performed were free of cost. To help us keep pace with our expanding clinical services, Avik Roy has joined us as Ophthalmology faculty for our Glaucoma Service.

Continuing with our tradition of “Visiting Faculty Program”, Dr Gangadhara Sundar of National University Hospital System, Singapore visited our campus in July 2014. He delivered the C S Bhaskaran Lecture on “Emerging paradigms in orbital trauma and reconstruction”. The main attraction of the program was the “Cadaveric Hands-On Workshop”. This was the first of its kind workshop that focused on enhancing the surgical skills of practicing ophthalmologists in the eastern region. The 5th Bijayananda Pattanaik Memorial Lecture on “Genes, Genomes and Bioethics” was delivered by Prof Sharat Chandra, Director, Centre for Human Genetics, Bangalore and Emeritus Professor Indian Institute of Science, Bangalore.

I am happy to share some significant achievements of my team mates this year. Tapas Ranjan Padhi, Cornea Specialist, received the Pfizer Fellowship from the Association of Research in Vision and Ophthalmology (ARVO). Suryasnata Rath bagged the Best Free Paper Award at Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS), New Delhi. Soumyava Basu, a passionate clinician-researcher completed his one-year International Fellowship from the University of Kentucky. Mamatha Reddy, our basic research scientist received a Fast Track Grant from the Department of Biotechnology (DBT). Suryasnata Rath also received a grant from DBT. Aparna Rao has been empanelled in the Editorial Board of BMC Ophthalmology. We had a total of 42 research publications.

With our fantastic team and their dedicated efforts, I am confident that this year too we will scale new heights in patient care, training and research.

Sujata Das
Director,
Bhubaneswar Campus
Indian Oil Corporation Limited (IOCL) signed an MoU with LVPEI Bhubaneswar, for developing a Centre for Rural Eye Health in the campus on 16 March 2015. The IOCL-LVPEI Centre will coordinate with the upcoming secondary and primary eye care centres in Odisha. It will also act as a catalyst in analyzing and coming up with viable solutions for rural eye related issues. The MoU was signed between, Mr K K Sharma, OSO for Odisha, IOCL and Dr Taraprasad Das, Vice-Chair, LVPEI.

A First of Its Kind Surgery in East India

LVPEI Bhubaneswar has become the first institute in Eastern India to perform a Viscocanalostomy surgery. This is a good alternative to the standard procedure for glaucoma called Trabeculectomy, especially for children and young patients who have a higher risk of complications like hypotony or low intraocular pressure. The surgery was performed on four patients during February to March 2015.
Symposium on Thyroid Eye Disease
A symposium to facilitate interaction on thyroid eye disease between care-givers i.e. endocrinologists and ophthalmologists was organized. The seminar was attended by 9 practicing endocrinologists from the city. The workshop concluded with a common consent to have a collaborative care model in place for patients with thyroid eye diseases.

Bhubaneswar Campus Celebrates Anniversary
The Bhubaneswar Campus celebrated its 8th anniversary on 3 July 2014. Dr Gangadhara Sundar, Head and Senior Consultant, Orbit and Oculofacial Surgery, National University Health System, Singapore, delivered the Prof C Syamala Bhaskaran Endowment Lecture on ‘Orbital Trauma and Reconstruction’ which was relayed across the LVPEI network.

5th Bijayananda Patnaik Lecture
The Fifth Bijayananda Patnaik Memorial Lecture on ‘Genes and Genome’ was delivered by Prof Sharat Chandra, Director, Centre for Human Genetics, Bangalore and Emeritus Professor Indian Institute of Science, Bangalore on 16 January 2015 - the Foundation Day of LVPEI Bhubaneswar. He spoke about the socio-legal and scientific implications of developments in genetic engineering. Present on the occasion were Dr Kalsi Patnaik, wife of Dr Bijayananda Patnaik and their family members.

Patient Education Forum
Interactive patient sessions and quiz for patients and their family members were organized in March 2015. Dignitaries, Dr Bijayanand Kar and Dr S Jali of Utkal University attended the event.

Creating Public Awareness on Eye Donation
A series of public awareness activities like, school painting competitions for children, eye donation pledge drives in corporate offices and street plays were organized by Drushti daan eye bank at LVPEI Bhubaneswar as part of the 29th National Eye Donation Fortnight, 25 August-8 September 2014. A panel discussion on “Synergy among eye banks in Odisha” was held on 7 September 2014.
Children’s Day

As part of the Children’s Day celebrations on 14 November 2014, parents were sensitized on childhood blindness and its preventions. In addition to this, cultural activities and painting competitions were also organized. 30 children from an orphanage also joined us in this celebration.

Glaucoma Awareness Week

On 8 March 2015 as part of Glaucoma Awareness Week, along with a Glaucoma Awareness Walk a street play was also performed by our team to educate the public on the causes and prevention of glaucoma.
The year that went by was rewarding but equally challenging. We achieved newer heights but at the same time we had to face the adverse effects of the Hudhud Cyclone that hit Visakhapatnam on October 12 last year. The cyclone caused a great extent of damage to our lush green campus. Standing true to our core values - Togetherness and Patient First, despite our personal losses, we as a team toiled day in and day out to restore normalcy in the campus and ensure that we continue to serve our patients. The Australian consulate general also supported us in this mission and came forward by providing free spectacles to those in need. What is also commendable and appreciable is the support that was extended to us from across the LVPEI campuses, once again reinforcing our faith that LVPEI is “ONE” big family.

On the patient care front, 92,111 patients were examined and 10,689 surgeries were performed. Going beyond eye care in extending our services to our communities, the blood donation drive at the campus also turned out to be a great success. All this wouldn’t have been possible without the dedicated efforts of all our team members. I also take this opportunity to welcome on board two new faculty members - Dr Abhishek C Bawdekar, Uveitis and Ocular Immunology specialist and Dr Rashmi Shukla, Cornea specialist.

‘Looking Beyond the Eye - III’ is a seminar unique to this campus. This seminar acts as a conducive platform for the exchange of knowledge among various specialties in Visakhapatnam. The third annual meet of this seminar this year was even more significant as it coincided with our 8th Anniversary celebrations and received participation from around 100 delegates.

Adding one more feather to our cap, with the support from Microsoft India Development Centre, we initiated a computer training centre for the visually impaired in our campus. The training centre welcomes, visually impaired youth who want to enhance their computer skills for gainful employment.

For the next 25 years, LVPEI plans to focus on Geriatric Eye Care. I am excited to share with you all that in the coming year we would be the first in the world to set up a Geriatric Eye Centre, named Aurobindo Geriatric Eye Care (AGE) at the GMRV campus, with the generous support of Aurobindo Pharmaceuticals.

With renewed energy and enthusiasm, we as a team are all set to embrace the challenges and achieve many more milestones this year.

Dr Avinash Pathengay
Acting Director
Geriatric Eye Care Centre

Soon the campus will have a Geriatric Eye Care Centre. Aurobindo Pharmaceuticals has donated Rs 1.5 crore for this centre. Sri N Chandrababu Naidu, the Andhra Pradesh Chief Minister handed over the cheque to Dr Gullapalli N Rao, Founder-Chair, LVPEI on 23 February 2015. The centre will be called Aurobindo Geriatric Eye Care (AGE).

Computer Training Centre for the Visually Challenged

As an initiative to enhance the employability skills of the visually impaired youth, a computer training centre was inaugurated on 4 September 2014. The centre aims to train a total of 128 youth in the coming year. Supported by Microsoft India Development Center (MSIDC) - Employee Giving Campaign, the centre is equipped with the latest screen reading softwares such as JAWS, MAGic and Windows Eyes. In addition to basic computer knowledge and Tally, soft skills are also imparted.

Eye Care for Hudhud Victims

In a unique initiative, the Australian Consulate General in Chennai provided replacement glasses to those in need and LVPEI facilitated free vision screening at the GMKV campus for the disadvantaged communities hit by Cyclone Hudhud on 12 October 2014. The initiative was implemented by India Vision Institute (IVI).

Rare Procedure, First in AP

Keratoprosthesis, a rare surgery to replace the damaged cornea with an artificial device, was performed free of cost for a 35 year old man who had lost his vision in both eyes on 16 August 2014. This was the first such surgery in Andhra Pradesh and the third in the country after Chennai and Hyderabad.
GMRV Campus Celebrates its 8th Anniversary

The celebration was marked by performances from staff members, patients from the rehabilitation department and children from the Netra Vidyalaya, Jeeyar Education Trust in Bheemili, 7 July 2014.

Eminent Visitors

Hon’ble Union Minister for Civil Aviation, Sri Ashok Gajapathi Raju, visited the campus on 21 March 2015. The staff showed him around the hospital and the services being provided to patients.

Hon’ble Health Minister of Andhra Pradesh, Sri Kamineni Srinivas, visited the campus along with local MLAs, District Collector and some Government officials on 4th August 2014.

Eye Screening at Residential Apartment

Free eye screening and diabetes awareness program was organized for the residents of New Life Apartment at Sheelanagar in Visakhapatnam, in collaboration with OMNI RK Super Speciality Hospital on 21 September 2014.

Educative Workshop for Students from Andhra University

A workshop was organized to educate the students from the special education department of Andhra University, on our low vision and rehabilitation services on 20 December 2014. It received participation from nearly 26 students.
March 8, Glaucoma Awareness Walk

DSN Raju, Vice Chancellor, Andhra University flagged of the awareness walk. Ramrajendra Kapratwar, Director and Ajay Prakash Dhanak, HR Head from Dr Reddy’s Laboratories Ltd also supported the walk.

World Diabetes Awareness Week

Awareness Walk: Uppalapati Raja, Titan Business Associate and Krishnam Raju, LVPEI’s supporters flagged the Awareness Walk on 9 November 2014.

Community Screening: A screening program was conducted on 11 November 2014 for women from a self help group - DWACRA and 115 people were screened. At another screening program on 19 November at Kancharapalem, 161 people were screened.

Awareness Talk: Awareness talk focusing on the various lifestyle diseases and the importance of healthy eating was organized in the campus on 14 November 2014. On the same day, an educational talk focusing on “The Eye and Eye Ailments” was organized at Ameya International School.

World Clinical Trials Day

To acknowledge the importance of clinical research, Excel Life Sciences Pvt Ltd and LVPEI Visakhapatnam organized an Awareness Walk on the World Clinical Trials Day, 18 May 2014.
Integrated Fun Camp

A Fun Camp was organized on 21 December 2014 at Kailasagiri Park, Visakhapatnam. Over 30 visually impaired children, their family members, staff and volunteers participated.

Celebrating Nurses’ Day

GMRV Campus celebrated the Nurses’ day on 12 May 2014. It is the anniversary of the birth of Florence Nightingale, who is widely considered the founder of modern nursing.

Blood Donation Drive

On the occasion of World Blood Donor day, a blood donation camp was organized at the GMRV Campus on 14 June 2014.
Looking back, I feel that 2014-2015 was a pivotal year for the KVC Campus. The year ended on a high note with many milestones to celebrate and cherish!

On the Patient Care front, we achieved three important milestones. The first milestone is the significant increase in the number of outpatients seen (30% growth) and the surgeries performed (40% growth) compared to last year. This increase in volume is a testimony to the incredible team work at KVC campus.

Taking into consideration the increasing demand for LASIK services in the city, we established the Refractive Surgery Centre at our campus and within the first few months of its inception, the team performed over 100 procedures.

The third milestone that sets us apart is the number of corneal transplants performed at our campus: +500. We are the first to achieve this number in the five districts surrounding Vijayawada.

‘Children’s Eye Care Week’ is a flagship event of KVC Campus. 2000 children from across 50 schools in the city participated in the drawing competition which recorded the highest participation in the last 4 years. Street plays, awareness talks and support meets were also organized during the week.

In the area of education, KVC Campus witnessed a phase change with the commencement of formal training of fellows for cataract surgery. We also tried a novel concept of conducting training in the neighbouring medical colleges to improve the quality of our ophthalmology residency program.

With the inauguration of our vision centre at Unguturu and secondary centre at Sattenapally, we have now 11 vision centres and 7 secondary Centres connected to the KVC Campus. We welcomed one new faculty member, Dr Prakrati Gupta, Glaucoma specialist from Madhya Pradesh.

It was our honour to have his Excellency Dr APJ Abdul Kalam, former President of India at our campus in March 2015. He dedicated the Kode Venkatadri Chowdary Campus in Vijayawada to the people of Andhra Pradesh.

We are confident that in the coming year, we will raise the bar a notch higher and continue our dedicated efforts towards our vision “so that all may see”.

Dr Avinash Pathengay
Acting Director
Dr Kalam Dedicates Vijayawada Campus to Andhra Pradesh

His Excellency Dr APJ Abdul Kalam, former President of India, dedicated the Kode Venkatadri Chowdary Campus in Vijayawada to the people of Andhra Pradesh on 15 March 2015. He launched the Children’s Eye Health Initiative, the LASIK services and lauded the team for achieving 500 corneal transplants, besides being awarded the cleanest campus in the LVPEI network. Present on the occasion were several dignitaries including the Commissioner of Police, the Mayor of Vijayawada and other officials.

Eye On the Future 2014 - CME on Pediatric Ophthalmology

A CME to further enhance the understanding of the participants on the subject of squint and pediatric cataract was organized on 28 December 2014. More than 200 ophthalmologists, post graduates, optometrists and vision technicians from in and around Vijayawada and across the LVPEI network, benefited from this program.

A CME on ROP Screening for Pediatricians

The role of pediatricians in the timely referral of premature babies to ophthalmologists for Retinopathy of Prematurity (ROP) screening is crucial. Keeping that in mind, a CME on ROP for pediatricians was organized on 30 May 2014. It received active participation from 25 pediatricians. Dr Subhadra Jalali, pediatric retina surgeon from LVPEI, Hyderabad along with in-house faculty (Dr Sameera Nayak, Dr Vishal Raval and Dr Niranjan Pehere) participated in the program.

Workshop on Learning Disabilities in Children

A workshop on learning disabilities in children, organized at the KVC campus, was web streamed live across the tertiary centres in the LVPEI network. Over 80 participants including pediatricians, teachers, school officials and parents attended this one-day workshop organized on 26 August 2014. Dr Vishal Indla, Chief Psychiatrist, Vijayawada Institute of Mental Health and Neurosciences, and Farida Raj, Director, Centre for Special Education, facilitated the workshop.
Vijayawada Campus Celebrates 4th Anniversary

The KVC Campus celebrated its 4th anniversary on 16 February 2015. The celebrations were marked by cultural and sport activities. Prizes for the winners and best employee certificates were also distributed to acknowledge and applaud the efforts of the KVC team.

David Brown Children Eye Care Centre Completes 4 years

The David Brown Children Eye Care Centre (DBCEC) celebrated its 4th Anniversary on 11 January 2015. Edward and Soona Brown along with their daughter and grand children were present for the celebrations. Mr Brown along with Dr Rao, released the Annual activity book of DBCEC for 2014.

Children’s Eye Care Week

As part of the 4th Children’s Eye Care Week, a support meet for parents of children who had undergone cataract surgery, was organized at the KVC campus on 14 November 2014. To make the discussions more interesting, Kaun Banega Crorepati style of discussion was adopted, which was received well by the 70 participating parents. In addition to this there were also workshops for special educators focusing on inclusive education. A street play was organized to educate the community on the unhygienic practice of open air defecation. 2000 children from across 50 schools in the city participated in the drawing competition which recorded the highest participation in the last 4 years.

Second Adaptive Fun Camp

The department of rehabilitation at KVC organized the “Second adaptive Fun Camp” at Bhavani Island on 28 Feb 2015.
Patient Care Services

We at LVPEI believe that healing requires more than just excellent clinical care. It is incomplete without the diligent application of Excellence, Equity and Efficiency in all our endeavours without compromising on the quality of service. The first impression that patients visiting LVPEI get, is of an amicable environment where all their concerns are duly addressed and where treatment is explained to them in detail; irrespective of whether they can pay for the services or not.

This year we have seen over 526,167 outpatients and provided surgical care to 75,052 patients through our tertiary and Centre of Excellence (CoE) facilities in the urban areas of Telengana, Andhra Pradesh and Odisha. With the objective of providing services at their doorstep, care was extended to 370,878 patients through our Village Vision Complexes and surgical care was provided to 23,338 patients. 195,737 people were seen at the vision centres with 40,808 referred for further care to secondary level eye care within the LVPEI Eye Health Pyramid. Standing true to our mission of equity, the care provided to the patients in the remote rural pockets was free of charge and about 76% of surgeries were performed for free. In the urban areas, care extended to 27% of outpatients was free of charge and 41% of surgeries were performed free.

Our constant endeavour is to improve the quality of our services for the betterment of our patients. A very important group in the patient care team is that of the nurses and the ophthalmic nursing assistants who coordinate with the doctors and implement the nursing care plan. To enhance their skills, they regularly undergo refresher course in collaboration with the University of Rochester, USA.

This year, we celebrated the completion of 20,000 cornea transplant surgeries, the highest ever performed by a single center. Currently this center is performing 5-6 cornea transplants per day. A transplant surgery is scheduled for a patient within 3-4 days of their being diagnosed with a need for the surgery.

We are scaling up our clinical services in Hyderabad and this year we will enter into a new building, where we will be able to see about 1200-1500 patients and perform around 150 surgeries on a daily basis, a substantial 20% hike from our current capacity. The patient care team is all geared up for the expansion and is confident that we will be able to maintain the same standards of quality and excellence.
Tertiary & Advanced Tertiary Care

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<th>Cataract</th>
<th>Cornea &amp; Anterior Segment</th>
<th>Corneal Transplants</th>
<th>Glaucoma</th>
<th>Retina &amp; Vitreous</th>
<th>Squint</th>
<th>Ophthal Plastic Surgery</th>
<th>LASIK</th>
<th>Others</th>
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Analysis of Surgical Procedures

Children’s Eye Care

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### Retinopathy Of Prematurity (ROP) Program

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<td>504</td>
<td>4</td>
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<td>ROP identified (Babies)</td>
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<td>94</td>
<td>4</td>
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<td>Laser sessions (Eyes)</td>
<td>104</td>
<td>58</td>
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<td>Pediatric retina surgeries (&lt;14 years)</td>
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<td>185</td>
<td>63</td>
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<td>ROP Surgeries (IV Avastin inj. for ROP, Retina surgeries)</td>
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### International Patients (paying)

**FU-Follow Up**

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Patient Speak
Patient satisfaction – our biggest strength and motivation

“I was suffering from blurred vision, my eyelids kept drooping and I had to lift them up time and again. One of my acquaintances referred me to LVPEI, Visakhapatnam. After conducting all the due tests, I was advised to undergo surgery. I was a little apprehensive in the beginning. But soon all my apprehensions were put to rest by Dr Samir Mahapatra who also performed my surgery. The care and respect that he extended towards me made me feel as if I was one of his family members. I would also like to thank all the staff members. As a token of appreciation from my end, I would like to donate for a needy patient the medical reimbursement of Rs 10,000 that I received.”
Addepalli Ramamohana Rao
East Godavari, Andhra Pradesh
27 January 2015

“I will never be able to thank Dr R Kekunnaya and his team enough for giving my son Ngilek Taan Seng, the gift of eye sight. My son had a vision problem and a doctor in Guwahati had told me that it was incurable. I had heard about the excellent reputation of LVPEI and decided to consult the doctors there. I still remember how he patiently explained to me everything about my son’s problem. Dr Kekunnaya, despite his busy schedule, always took time out to check on my son’s recovery. We will always cherish the love and care we got from LVPEI.”
Aikya Thoumoung
Guwahati, Assam
5 January 2015

“I had the opportunity to visit LVPEI when I consulted Dr Somasheila Murthy for my son’s Keratoconus. We had heard about LVPEI’s expertise, but being there was an inspirational experience. Being a doctor and part of commercialized/ capitalistic medicine, it was an eye opener to experience true and ethical medical practice at its best. On this World Sight Day, my wife and I would like to make a small contribution of Rs 10,000 towards Hyderabad Eye Hospital. Please accept the same.”
Dr Shashikant Y Kulgod MS, FRCS
Belgaum, Karnataka
9 October 2014

“When I reached the hospital, my left eye was completely swollen, red in colour and was watering. I was full of anxiety and fear. Without wasting a single minute I was guided to the emergency room for a detailed examination. Dr Milind Naik assured me that with proper medication my eye would completely heal. Next day, I was presently surprised when I received a personal message from him to check on my condition. This small gesture from a busy and famous doctor like him, made me feel really special. It is a privilege for any institute to have such a dedicated workforce.”
K Lalitha
Hyderabad, Telangana
10 January 2015

“At the beginning, I was extremely nervous and afraid even though it was a small surgery. I had requested for General Anesthesia (GA) instead of Local Anesthesia (LA) due to a fear of not being able to bear the pain. I had multiple rounds of counseling with both, Dr Virender Sachdeva, the surgeon and Dr Ravindra, the anesthetist. During the time of surgery, Dr Sachdeva kept talking to me on various topics of interest and before I even realized it, the surgery was over.”
Ashok Gupta
Hyderabad, Telangana
1 September 2014

“My wife had severe reddening in her right eye and we were completely panic stricken. We immediately started for LVPEI and after travelling a distance of 500 kilometers from Pulivendula (YSR district), we reached the hospital. The way the doctors and their entire team dealt with us made me confident that my wife was in safe hands. Probably it is due to institutions like LVPEI that ‘dharma’ is felt in ‘kaliyuga’ on this ‘karma bhoomi’ I wish LVPEI touches divine heights and is remembered forever.”
Dr K Murali Mohan
Pulivendula, Andhra Pradesh
30 August 2014
So the Paper Flower Can Bloom

Little Um Lylas (Paper Flower), with support from the Sultanate of Oman, has been traveling every 3 weeks for over one and a half years now to LVPEI, Hyderabad to receive treatment for retinoblastoma, an eye cancer that can be fatal if left untreated. The only symptom noticed by her parents had been redness and excessive watering in both her eyes at 7 months of age. No one in the family had suffered from anything like this.

Um Lylas has undergone 12 cycles of chemotherapy (2 sessions, 6 cycles each) and is now receiving Transpupillary Thermotherapy or TTT laser. On her last visit to the hospital in December 2014, Dr Swathi Kaliki, Consultant and Eye Cancer Specialist, was happy to share that the retinoblastoma had regressed but they would still have to wait and watch for any improvement in the child’s vision. Muna Kamees, her mother, is relieved that her daughter is finally on the road to recovery.

Overcoming Familial Congenital Cataract

10 year old Anusuya and her siblings 7 year old Anita and 3 year old Sunita, hailing from Dhenkanal district in Odisha had no vision since birth. Even their father had vision problem. A local ophthalmologist advised their parents to consult the doctors at LVPEI Bhubaneswar.

The siblings and their parents were examined by the Pediatric Ophthalmologist, Dr Vivek Warkad. It was a case of familial congenital cataract. Unlike most cataracts, which occur with aging, congenital cataracts are present since birth. All the three children underwent very meticulous surgery, completely free of cost in their eyes over a period of 2 weeks. A month later, they were examined under general anesthesia and prescribed glasses. They have since been visiting regularly for routine postoperative checks and rehabilitation.

Thanks to timely detection and appropriate curative measurement, the sisters today have significantly improved vision. The elder ones have started going to school and the younger one is able to comfortably play at home.

The parents are very happy and thankful to LVPEI. Their father too has now undergone cataract surgery and recovered some vision.

Bhagyamma is Thrilled to See Again

Nearly 25 years ago, Bhagyamma lost her vision due to severe body rash as a reaction to a penicillin injection that scarred the mucous membrane in her eyes. To restore her vision, Bhagyamma underwent Modified Osteo Odonto Keratoprosthesis (MOOKP), a surgery a visiting doctor from the USA performed at LVPEI.

In the first stage, Bhagyamma’s tooth was harvested. The tooth and the adjoining bone were cut down and a hole was drilled through the center of her tooth root. An artificial cornea lens was fitted into the tooth and inserted under the skin of her cheekbone to allow normal tissue and blood vessels to develop around it.

Three weeks later, this device was surgically removed from under her cheek skin and fitted to the front of her left eye to permit light to filter through the retina or film layer at the back of her eye. A skin graft was also performed by removing her oral mucosa and using it as a cover sheet for the lens-embedded tooth device to make the front of the operated eye look as natural as possible.

A day after the final surgery, Bhagyamma was thrilled that she could see again!
Vision Rehabilitation

The aim of the vision rehabilitation centres is to empower people with incurable vision loss and enable them to lead as independent a life as possible. When conventional treatments - medical or surgical - fail to prevent or restore vision loss, patients often experience visual impairment. It can have immediate and dire long-term consequences in children and adults; it can hamper their physical, psychosocial, educational and economical growth.

Low Vision Rehabilitation services are delivered across the LVPEI network. Since their inception, our vision rehabilitation centres have successfully rehabilitated more than 125,000 people with low vision and blindness across all age groups and strata of the society through their centre-based and community-based approach.

THE KEY COMPONENTS OF INTERVENTIONS INCLUDE

- Low vision care - assessment, training and prescription of devices
- Special skill based training such as independent living skills on mobility
- Assistive software training for using computers
- Guidance and placement services for economic independence
- Early intervention for children below 5 years of age with developmental problems
- Self-help group meetings, peer support programs and advocacy
Community Based Rehabilitation for Urban Slums

An initiative for Community Based Rehabilitation (CBR) in the urban slums of the Ranga Reddy and Hyderabad district, supported by the Tech Mahindra Foundation, was launched on 7 June 2014. The program aims at covering a population of 150,000 through door-to-door intervention and offering comprehensive rehabilitation care to those in need. Ms Indira Munjuluri, Vice President and Global Head for Retail, CPG, Transportation and Logistics business in Tech Mahindra was the chief guest for the launch.

Computer Training Centre for the Visually Challenged

As an initiative to enhance the employability skills of the visually impaired youth, a computer training centre, was inaugurated on 4 September 2014 at GMR Varalakshmi Campus in Visakhapatnam. The centre aims to train a total of 128 youth in the coming one year. Supported by Microsoft India Development Center (MSIDC) - Employee Giving Campaign, the centre is equipped with the latest screen reading software such as JAWS, MAGic and Windows Eyes. In addition to basic computer knowledge and tally, soft skills are also imparted at the centre.

32nd Low Vision Awareness Program (LAP)

The 32nd Low Vision Awareness Program (LAP), organized on 12 September 2014 was for the first time networked across the four LVPEI campuses in Hyderabad, Bhubaneswar, Visakhapatnam and Vijayawada, and the participants could choose their centre of attendance. The popular biannual event was attended by over 75 participants including practicing optometrists, low vision specialists, optometry students, vision technicians and teachers of the visually challenged. Hands-On sessions were conducted at each campus by the respective faculty. All the participants were engulfed with a sense of positivity and determination when a couple of clients from vision rehabilitation centres shared their real life experiences.
Visually Challenged Students Make us Proud

Students who are seeking rehabilitation services at LVPEI have made us proud and proved that disability is not a barrier to achieve academic excellence. 11 students passed their examinations with flying colours, among whom Abdulla Abdul Kareem scored 92.3% in matriculation and Kumar Raja bagged 89% in the second year Intermediate examinations. These 11 students were felicitated by the Cognizant Foundation at an event organized by the organization’s volunteers who extended their services to LVPEI’s rehabilitation program on 19 July 2014.

Workshop on Learning Disabilities in Children

A workshop on creating awareness about learning disabilities in children, organized in the KVC campus, was web streamed live across the tertiary centres in the LVPEI network. Over 80 participants including pediatricians, teachers, school officials and parents attended the workshop organized on 26 August 2014. Dr Vishal Indla, Chief Psychiatrist, Vijayawada Institute of Mental Health and Neurosciences, and Farida Raj, Director, Centre for Special Education, facilitated the workshop.

Public Lecture on Guide Dogs

Mr Ian Cox, Chair, Development Committee, International Guide Dog Federation delivered a Public Lecture on ‘Starting and Developing a Guide Dog Organization’ on 4 November 2014. Guide dogs are popularly used in developed countries to assist vision impaired and blind people. The audience included visually impaired clients of LVPEI and their parents.

India Represented for the First Time in the ISLRR Committee

Dr Vijaya K Gothwal was nominated to the Executive Committee of the International Society of Low Vision Research and Rehabilitation (ISLRR) to represent India for a period of 3 years at the ‘11th International Conference on Low Vision’ held from 31 March to 3 April 2014 at Melbourne, Australia. This is the first time that India has been represented in this committee. The executive board members of ISLRR represent 9 countries - Canada, USA, Hong Kong, UK, Netherlands, Germany, Malaysia, China and India - and aim to stimulate scientific research and promote the exchange of information in the field of vision rehabilitation.
Storytelling Workshop for Language, Creativity and Personality Development

With the aim to enable visually impaired students to express themselves creatively through the medium of language and stimulate their cognitive thinking, Hyderabad Literacy Festival organized a story telling workshop on 10 January 2015 in LVPEI Hyderabad. Students from Visakhapatnam and Vijayawada campuses also participated in this workshop through video conferencing.

Arts and Crafts Workshop for Sensory Integration

To help visually impaired children develop better hand and eye coordination, arts and crafts workshop was organized on 14 February 2015 with support from a couple of international volunteers from UK. The children were able to enjoy the different forms of art and craft through tactile and adaptive mode and were encouraged to make clay models and decorate bottles with coloured paper.

Integrated Fun Camp

Hyderabad: The Dr PRK Prasad Centre for Rehabilitation of the Blind and Visually Impaired held its 17th Annual Integrated Fun Camp on 13 December 2014 at Jalavihar - a popular water park - at Necklace Road in Hyderabad. Over 288 participants indulged in the fun and games including the visually impaired and their family.

Visakhapatnam: A Fun Camp was organized on 21 December 2014 at Kailasagiri Park, Visakhapatnam. Over 30 visually impaired children and an equal number of siblings, family members, staff and volunteers participated.

Vijayawada: The Department of Rehabilitation at KVC organized the ‘Second Adaptive Fun Camp’ at Bhavani Island on 28 February 2015.

Activities of Parent’s Association of Visually Impaired (PAVI)

Yoga Workshop

A workshop on yoga was organized for the clients from the rehabilitation program and their parents on 18 October 2014. The importance of yoga was demonstrated through both theory and practical sessions to the 40 participants of the workshop. The participants enthusiastically learnt the different forms of yoga and expressed their desire to attend many more such workshops in future.

Interactive Session on Personality Development

A personality development session was organized on 8 November 2014 for 25 clients of the Rehabilitation Centre and their parents. Live examples were used to demonstrate the importance of a pleasing personality and good communication skills.

Examination Guidelines for the Visually Impaired

A session to educate the visually impaired clients of LVPEI and their parents on the new guidelines on conducting written examination for persons with disabilities issued by the Ministry of Social Justice and Empowerment & Department of Disability Affairs, Government of India was organized on 14 March 2015.

Parents’ Forum

Sensitive and relevant topics such as, parent-child communication; adaptive sports and games for the visually impaired; tackling issues on sexual abuse and the legal processes, and fire and safety, were covered in the forum discussions during the year.
Audio Movie Released by Vision Rehabilitation Team

An audio movie titled “I’m Possible” produced by the Vision Rehabilitation team was released on 7 March 2015. The movie’s idea, concept, story, script and direction was by T V Aishwarya who works with the HelpLine run by the Vision Rehabilitation Services.

Volunteers Annual Meet

The 13th Annual Volunteers Meet was attended by 46 volunteers on 7 March 2015 with the agenda to review the progress made jointly by the volunteers and the rehabilitation team and to pave the way forward. Mr Venkat Dullapalli, CEO of Volunteer Mark introduced an online application called Volunteer Management Software developed by them to regulate volunteering services. The volunteers once again pledged to continue supporting the visually challenged through their time, expertise and other resources.

Mock Park at Microsoft IDC, Hyderabad

A model park - an imitation of the Mobility and Sensory Park at KVC Vijayawada - was set up for three days, 13-15 October 2014, at the premises of Microsoft-IDC, Hyderabad with an objective to sensitize the employees about the challenges faced by the visually impaired and experience their world as they take a stroll down the park. After taking a tour of the park, the employees felt that they could relate to the challenges faced by the visually impaired to a great extent.
### Centres for Sight Enhancement (April 2014 - March 2015)

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### Rehabilitation of the Blind and Visually Impaired (April 2014 – March 2015)

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Annual Report 2014 - 2015
Little Thrisha Now Enjoys Going to School

Hailing from a poor family of daily wage labourers in Vijayawada, 9 years old, P Thrisha, had vision of only light perception with inaccurate projection of rays in the right eye and could appreciate hand movements close to her face in her left eye. Along with total cataract in both the eyes, she had inoperable retinal detachment in the right eye.

Under very guarded visual prognosis, cataract surgery improved her vision to 20/500 in 2 months, which was not a great visual outcome, so she was referred to the Centre for Sight Enhancement (CSE). On assessment, her distance vision improved to 20/80 with a handheld telescope and N18 with a stand magnifier.

Thrisha today is making optimal use of the low vision devices prescribed to her. And the best part is that with improved vision, she has also started taking interest in academics and is doing pretty well in school.

Thanks to Assistive Device, Srikanth will Soon Complete his PhD

29 years old Srikanth Ravulapalli from Hyderabad was diagnosed with retinal degeneration when in secondary school. Having a strong inclination towards academics, he did not allow low vision to become a roadblock in perusing his studies further. It is only because of his sheer determination and hard work that he not only managed to complete his post graduation, but will be soon awarded a PhD in mathematics from the University of Hyderabad.

“To solve complicated mathematical problems, I had to refer a lot of literature and do a lot of reading on the computer. The biggest challenge for me was that I was forced to take a break after every 45 minutes because the light emitting from the screen was harmful for my eyes. This not only resulted in a lot of time wastage but also hampered my enthusiasm and continuity.

It was then that I consulted the doctors at LVPEI’s Centre for Sight Enhancement and was suggested to use kindle software for reading. I am happy that now I can continuously read for 2-3 hours at a stretch. I am pretty comfortable with this device and strongly recommend it to all my visually challenged friends,” says Srikanth.

As narrated by Rukaiya Vadhagarwala, 19, during LAP - “Patient speak”. She has Oculocutaneous Albinism and has low vision and has been consulting doctors at LVPEI for the past 15 years.
Eye Banking

Established in 1989, the Ramayamma International Eye Bank (RIEB) at LVPEI is the largest provider of sight restoring corneas in India and a SightLife Centre of Excellence in Eye Banking. As a leader in eye banking across Asia, RIEB has contributed significantly to the effective networking and proliferation of eye banks through community eye banking programs. RIEB completed 25 years of service and celebrated its silver jubilee in June 2014.

Highlights

• First Eye Bank in the country to supply 2188 corneas for transplantation in a single year
• Quality Certificate from SightLife, USA, first among their partners in India with 2 years validity
• First Eye Bank in the Asia-Pacific region to process and supply pre-cut donor corneas to surgeons, to enable performing Descemet’s Stripping Endothelial Keratoplasty (DSEKs). Processed and distributed 574 pre-cut corneas to surgeons at LVPEI and others across the country.
Highest Number of Corneal Transplantation Surgeries

LVPEI’s RIEB has cumulatively harvested nearly 50,000 corneas and conducted 20,000 sight restoring transplantation surgeries for corneal blind patients, the largest number done by a single centre in the world. In a felicitation ceremony organized for the Eye Bank team on 14 January 2015, the Governor of Telangana and Andhra Pradesh, Sri ESL Narasimhan lauded the institute’s effort and commitment to quality eye care. Dr Gullapalli N Rao, Founder-Chair, LVPEI said, “RIEB’s phenomenal growth and emergence as a global leader in eye banking is a remarkable and inspiring success story for a developing country like India where traditionally there has always been a lot of pessimism about organ transplantation.”

Celebrating 25 Years of Excellence

RIEB celebrated its silver jubilee on 27 June 2014. The first part of the day was marked with a scientific program and in the latter part of the day a commemorate ceremony was organized. The occasion was graced by guests from SightLife USA - Dr Paul Dubord, Chair and Mr Monty Montoya, President & CEO; Dr L Narendranath, Director, Nizam’s Institute of Medical Sciences (NIMS); and members from the late Mrs Ramayamma’s family.

Hospital Cornea Retrieval Programme (HCRP) Expanded

RIEB’s Hospital Cornea Retrieval Programme (HCRP), initiated in 1990, focuses on hospitals to retrieve corneal tissues. This model has proved to be a great success in the Hyderabad city based Osmania and Gandhi hospitals. Extending this program further, in the month of January and February 2015, this model has been replicated in three government hospitals in Warangal and Mahbubnagar districts of Telangana, and Kurnool district in Andhra Pradesh with the help of regional eye hospitals.

Refresher Training

RIEB organized the fourth refresher training program aimed at better utilization of procured donor corneas by upgrading the skills of technicians involved in donor cornea recovery. About 25 technicians from various eye donation centres in Andhra Pradesh and Telangana participated in the one-day training program organized on 6 September 2014.
29th National Eye Donation Fortnight

As part of the 29th Eye Donation Fortnight, 25 August to 8 September 2014, kiosks were put up at various multi-specialty hospitals in Hyderabad to create awareness regarding eye donation. In addition to this, awareness slogans were scrolled on popular TV channels and community sensitization drives were conducted. A live phone-in TV program was anchored by G Srinivas on DD Sapthagiri. In association with Nava Youth Association, Patancheru, Ramayamma International Eye Bank organized a public awareness lecture on eye donation with T Kishan Reddy as the guest speaker.

6th National CME on Eye Banking

At the 6th National Eye Bank CME held at Hitech City, Hyderabad, 26-28 September 2014, detailed discussions on the day-to-day challenges faced by the technicians involved in donor cornea recovery were held. Challenges during tissue retrieval and the reasons for excess bleeding; do’s and don’ts for attending donor calls; donor cornea recovery; wet lab demonstration; therapeutic grafts; advanced role play in eye donation counseling were some of the topics that were covered. The RIEB team also took part in the panel discussions.

Awareness Activities

More than 50 awareness programs have been conducted this year (2014-2015):

- A public awareness program was organized for 46 residents of an apartment complex in Erramanzil, Hyderabad on 6 April.
- 59 senior citizens from a total of 83 pledged to donate their eyes during a public awareness campaign organized for the Senior Citizen Organization at Dammaiguda, Hyderabad on 10 April.
- A public awareness talk was organized by Maheshwari Seva Samithi, Hyderabad on 13 April. Around 40 people participated.
- A public awareness lecture was delivered for around 85 participants in a program organized by Jainam Jayanthi Shashanam Seva Samithi, Hyderabad on 20 April. 48 people pledged to donate their eyes.
- A public awareness talk was delivered for the members of Jain Community on 4 May.
- An awareness talk was delivered at the Old Age Home Social Welfare Association on 25 May.
- Public awareness program was organized in Challapalli village, Krishna district on 14 September.
- An awareness talk on eye donation and the importance of eye care in premature babies was delivered on 5 June at Fernandez Hospital.
- Around 150 students were sensitized on the topic of eye donation at an awareness program organized at the Government Junior College, Pahadi Sharif on 17 June.
- In an awareness program organized on 27 June by the Jain Community of Secunderabad, an awareness talk was delivered for the 300 members present during the event.
- Around 50 participants attended the eye donation talk at Swachanda Sanstha, Ramachandra village, Patancheru on 28 September.
- On 20 March, an awareness talk was delivered at MGM Hospital Warangal where HCRP was recently initiated. Around 60 nurses and post graduate doctors attended the program.
- Ravindra Bharati School invited the RIEB team to deliver a series of awareness talks on eye donation for parents and children across all their branches from 26 January-13 February.
Mohsin Eye Bank

Mohsin Eye Bank is a Community Eye Bank located at LVPEI, GMRV Campus, Visakhapatnam. Apart from supplying quality tissues to LVPEI’s Visakhapatnam and Vijayawada campuses, and to local surgeons in Visakhapatnam, it also supplies tissues to the entire nation through the SightLife Cornea Distribution System.

Awareness Activities

- 16 audiovisual presentations made to different sections of society in and around Visakhapatnam.
- 6 stalls were put up at different public places like malls, bus stands, petrol pumps, etc.
- Eye Donation Fortnight:
  - Organized a beach rally on 31 August 2014; inaugurated by Mr MD Khan, Additional Commissioner of Police - Crime, Visakhapatnam.
  - Valedictory function and 13th anniversary celebrations were conducted on 8 September 2014 at the GMRV Campus. Sri Tirumala Krishna Babu, IAS, Chairman, Port Trust, Visakhapatnam was the Chief Guest. Dr P Somaraju, Secretary, Gayatri Vidya Parishad, Visakhapatnam also participated.
- Corneal surgeons from different hospitals participated in a Corneal Surgeons’ Meet that was organized on 21 May 2014 at the Waltair Club, Visakhapatnam. Dr Usha Gopinathan, Executive Director, LVPEI and Trustee, VEBART Trust (Mohsin Eye Bank) was the Guest of Honour.

Drushti daan Eye Bank

Drushti daan Eye Bank (DDEB), Odisha’s first eye bank completed 7 years of partnership with LVPEI Bhubaneswar in helping the corneal blind to regain sight. In 2014-2015, 700 corneas were collected overall out of which 607 were transplanted.

A series of public awareness activities such as, school painting competitions for children, eye donation pledge drives in corporate offices, malls and schools were organized by Drushti daan Eye Bank at LVPEI Bhubaneswar as part of the 29th National Eye Donation Fortnight, 25 August-8 September 2014. A panel discussion on “Synergy among eye banks in Odisha” was held on 7 September 2014 where Sri Atanu Sabyasachi Nayak, Hon’ble Minister of Health and Family Welfare, Government of Odisha, and Dr Arabinda Kumar Padhee, IAS, Commissioner-cum-Secretary, Department of Culture and Tourism, Government of Odisha were the chief guest and guest of honour respectively. Dr Gullapalli N Rao, Founder-Chair, LVPEI, delivered the keynote.
RIEB’s Network Affiliates - Cornea Collection

Akbar Eye Hospital, Anantapur (12); Badam Balakrishna Eye Bank, Kakinada (88); Chiranjeevi Charitable Trust, Hyderabad (100); District Hospital, Jangaon (20); District Hospital, Nandyal (2); District Hospital, Anantapur (10); District Hospital, Mahbubnagar (22); Dr YV Laxmidevi Eye Bank, Proddutur (10); DBCS, Nalgonda (4); Gowthami Eye Institute, Rajahmundry (48); Indian Red Cross Society, Eluru (62); Indian Red Cross Society, KMEDC, Srikakulam (20); Kamineni Institute of Medical Sciences, Marketpally (10); Lions Club of Cherial, Cherial (6); Lions Club of Karimnagar Charitable Eye Hospital, Rekurthi (411); Lions Club of Mahabubabad, Mahabubabad (28); Lions Club of Suryapet Eye Hospital, Suryapet (60); Lions Club of Jagityal, Jagityal (4); Lions Club of Ramagundam, Ramagundam (4); Lions Club of Thorrur, Thorrur (4); Lions Club of Vemulawada, Vemulawada (2); Lions Eye Hospital, Bodhan (32); Mamatha Eye Bank, Khammam (16); Modern Eye Hospital, Nellore (244); Modern Eye Hospital & Research Centre, Ongole (118); Mohsin Eye Bank, Visakhapatnam (47); MVR Eye Center, Tanuku (34); Nayana Eye Care, Nandyal (2); Pavani Eye Hospital, Jagityal (12); Regional Eye Hospital, Kurnool (79); Regional Eye Hospital, Warangal (164); Rotary Eye Hospital, Vuyyur (20); RR Lions Eye Hospital, Palakol (24); Sadhuram Eye Hospital, Hyderabad (20); Sankara Eye Hospital, Guntur (2); Santiram Medical College, Nandyal (38); SRR Lions Eye Hospital, Nidadavole (309); Sreelatha Modern Eye Hospital, Chittoor (4); Sudarsani Eye Hospital, Guntur (22); Surya Swachanda Seva Samithi, Mahabubabad (8); SVRRGG General Hospital, Tirupati (13); Sri YBR Murthy Konaseema Eye Bank, Ambajipet (74); SKVBRIRCS Eye Bank, Kurnool (4); Yanam Eye Bank, Yanam (26).

* Prominent contributors marked in colour

Eye Bank Statistics

<table>
<thead>
<tr>
<th>Corneas collected</th>
<th>Ramayamma International Eye Bank, Hyderabad</th>
<th>Drushti daan Eye Bank, Bhubaneswar</th>
<th>Mohsin Eye Bank, Visakhapatnam</th>
<th>Total</th>
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<tr>
<td>Hospital Cornea Retrieval Program (HCRP) - Motivated</td>
<td>2187</td>
<td>642</td>
<td>433</td>
<td>3262</td>
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<tr>
<td>Volunteered</td>
<td>640</td>
<td>58</td>
<td>395</td>
<td>1093</td>
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<tr>
<td>Affiliate Centres</td>
<td>2239</td>
<td>0</td>
<td>-</td>
<td>2239</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>5066</strong></td>
<td><strong>700</strong></td>
<td><strong>828</strong></td>
<td><strong>6594</strong></td>
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Corneas utilized

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<th></th>
<th>Surgeries at own campus</th>
<th>To other LVPEI campuses</th>
<th>To surgeons outside LVPEI</th>
<th>Training and Research</th>
<th><strong>Total</strong></th>
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<tbody>
<tr>
<td><strong>Surgeries at own campus</strong></td>
<td>1706</td>
<td>175</td>
<td>127</td>
<td>2005</td>
<td></td>
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<td><strong>To other LVPEI campuses</strong></td>
<td>237</td>
<td>5</td>
<td>15</td>
<td>257</td>
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<tr>
<td><strong>To surgeons outside LVPEI</strong></td>
<td>245</td>
<td>427</td>
<td>303</td>
<td>975</td>
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<tr>
<td><strong>Training and Research</strong></td>
<td>1927</td>
<td>4</td>
<td>29</td>
<td>1963</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4115</strong></td>
<td><strong>611</strong></td>
<td><strong>474</strong></td>
<td><strong>5200</strong></td>
<td></td>
</tr>
</tbody>
</table>

Discarded

| | 951 | 89 | 354 | 1394 |

Corneas collected

- Hospital/Cornea Retrieval Program (HCRP) - Motivated
- Volunteered
- Affiliate Centres

Corneas utilized

- Surgeries at own campus
- To other LVPEI campuses
- To surgeons outside LVPEI
- Training and Research

Annual Report 2014 - 2015
Product Development

McCarey-Kaufman’s Medium for Corneal Preservation

The RIEB produced 30,981 vials of the McCarey-Kaufman (MK) Medium during the year. We supplied 30,045 vials of the MK Medium to 200 national eye banks and 3 international eye banks.

National


International

Dhaka, Bangladesh; Khatmandu, Nepal; Yangon, Myanmar

Amniotic Membrane for Ocular Surface Reconstructive Surgeries

RIEB produced 1,823 pieces of amniotic membranes during this year. In addition to providing 830 amniotic membranes to all the LVPEI tertiary campuses and three secondary eye care centers, 842 membranes to surgeons outside LVPEI, a total of 139 membranes were provided for in-house research and training purposes.

National

Distribution of MK Medium and Amniotic Membrane
GPR-ICARE is the community eye health service platform of LVPEI, providing affordable and accessible eye care services. It provides a continuum of eye health services to the diverse population in the remote rural, urban and tribal areas.

Gratifying experiences in rural communities constantly encourage us to expand our network in neglected and marginalized community. This year, with support from the Brown family of France, we started our 12th secondary rural eye care centre in Dhillipalla village of Sattenapally mandal in Guntur district, ‘Edward and Soona Brown Eye Centre.’ We also entered into rural Odisha with the first secondary centre at Rajangpur, the ‘OCL Eye Centre’ which was inaugurated by Dr APJ Abdul Kalam, the former President of India and supported by the renowned Dalmia family. With this we now have 13 Secondary Eye Care Centres across the four states of Telangana, Andhra Pradesh, Odisha and Karnataka.

Along with our partners, we have served 383,000 people and performed 52,000 surgeries. This also includes surgery for a 95 year old neglected and deprived bilaterally blind male patient as well as a former Health Minister, thus ‘Excellence’ is delivered with ‘Equity’. Generous support from donor agencies and local communities has helped us establish 13 new Vision Centres this year. We now have a total of 116 Vision Centres. Capital funding support for these Centres was extended by LDS Charities of Salt Lake City, USA and Lavelle Fund, New York and the local communities. We also supported the development of a vision centre in Ladakh in the Himalayas thus ensuring that primary eye care reaches even at these far flung areas. 195,000 people across all age groups were screened in our Vision Centres and 81,000 children were screened in the school screening programs.

Our technology team has made all our secondary centres enabled with Electronic Medical Records Systems.

We have provided Community Based Rehabilitation services to 419 people, thus making a difference in the lives of several who were otherwise unidentified victims of visual impairment.

Sunethra Program - integration of primary eye care with primary health care - is ongoing in two of our secondary
centres. We have initiated a Public - Private - Partnership (PPP) model with the Government of Telangana to initiate LVPEI supported Vision Centres at the Government run Primary Health Centre locations.

World Sight Day, World Glaucoma Week and World Diabetes Day were organised across all our centres, thus increasing awareness of these diseases in the communities.

The educational arm in Community Eye Care continues to build the human resource pool in Eye Health Management and Community Eye Health. Student enrolments in our online modules of Masters Course in collaboration with the University of New South Wales continue to be on the rise. Similarly, students from different universities and institutions completed their summer and mid-term internships. Refresher training programs were conducted for the staff of our partner hospitals and for our network staff.

Our research component has witnessed the completion of the Glaucoma Epidemiology and Genomics Study (GLEAMS) and the Diabetes project this year. The third part of the Andhra Pradesh Eye Disease Study (APEDS3) was completed and we are into the final part of the study. This significant longitudinal study offers the promise of very critical information on the incidences of various blinding eye conditions. Rapid Assessment Study on Visual Impairment was completed in Adilabad and Mahbubnagar districts of Telangana and is currently ongoing in Guntur district, Andhra Pradesh. In terms of publication, seven articles and twelve posters were published and presented in national and international peer reviewed journals, workshops and conferences. Our Public Health Research team was successful in getting grants from various national and international agencies like Wellcome Trust, Lions Clubs International Foundation, Grand Challenges Canada etc.

Experience in eye health services has enhanced our capabilities of training and capacity building competencies. This helped us to continue our collaboration with the Global Sight Initiative (GSI) project of the Seva Foundation to nine hospitals that we mentor. TOMS “one-for-one giving eyesight” program is ongoing this year. This has supported us in providing glasses and performing surgeries for the needy people at no cost. The grant given for the World Sight Day has helped us to support the hospitals we mentor with for conducting 600 surgeries.

We look forward to another year of service to the communities, “so that all may see”, by holding the strength of the five core values of LVPEI - Excellence, Equity, Integrity, Togetherness and Patient First.
New Vision Centres

#104 at Kotturu

Location: Kotturu, Srikakulam district, AP
Inaugurated: 25 April 2014
Supporters: Sri Lotugedda Tulasi Varaprasada Rao, Sarpanch; Smt Lotugedda Sridevi; Sri Kiran, Lifeline Aqua; Sri Anand and other local elders. Lavelle Fund for the Blind, USA, have provided equipment support.

#105 at Hiramandalam

Location: Hiramandalam, Srikakulam district, AP
Inaugurated: 25 April 2014
Supporters: Maa Kuthari Charitable Trust - Sri Udaya Chandra Mahanty and Sri Surendra Kumar Mahanty, Chairman & CEO, Maa Kuthari Global; Sri Tirupathi Panda and their team from Maa Kuthari Global. Lavelle Fund for the Blind, USA, have provided equipment support.

#106 at Narasannapeta

Location: Narasannapeta, Srikakulam district, AP
Inaugurated: 25 April 2014
Supporters: Gokhale Children’s Home (G C Home); Swamy Babu & Vajramma Charitable Trust; TGK Gupta; Tankala Babju; Tankala Rukmini; U Linga Raju; Ravinder Kumar Sahoo; Sri Andhavarapu Srinivas and other local elders. Lavelle Fund for the Blind, USA, have provided equipment support.

#107 at Ponduru

Location: Ponduru, Srikakulam district, AP
Inaugurated: 26 April 2014
Supporters: Smt. Vijayalakshmi, Sarpanch; Sri Sai Kumar; K V Sai Medicals; Sri Gunnu Srinivasa Rao; Sri Yerubothu Bhaskar, Pala Centre and other local elders. Lavelle Fund for the Blind, USA, have provided equipment support.

#108 at Ranasthalam

Location: Ranasthalam, Srikakulam district, AP
Inaugurated: 26 April 2014
Supporters: M S Charitable Trust; Sri M. Srinivasa Rao; Sri Srinivas Patnaik, reporter; Smt K Sarada; Sri K Lalithesh; Sri O Naresh, CEO, Symbiosys Technologies; Arogyavaram Eye Hospital; and other local elders. Lavelle Fund for the Blind, USA, have provided equipment support.

#109 at Banra

Location: Banra, Cuttack district, Odisha
Inaugurated: 26 May 2014
Supporters: Shree Jagadguru Krupalu Ji Charitable Trust.
Dr J K Das, Joint Director (Ophthalmology), Department of Health & Family Welfare, was the Chief Guest.
#110 at Narasayapalem

**Location:** Narasayapalem, Guntur district, AP
**Inaugurated:** 28 December 2014
**Supporters:** Dr Ratna Babu, a reputed orthopaedic surgeon in Guntur, has donated the fully renovated facility including operating expenses for three years. Latter-day Saint Charities, USA, have provided equipment support.

#112 at Lakkidam

**Location:** Gantyada, Vizianagaram district, AP
**Inaugurated:** 25 February 2015
**Supporters:** Lavelle Fund for the Blind, USA. The rent free premises was provided by Ramachandra Naidu Voluntary Service Foundation. Sri K Appalanaidu, MLA, Gajapthinagaram constituency inaugurated the centre.

#114 at Lakkavarapukota

**Location:** Lakkavarapukota, in Vizianagaram district, AP
**Inaugurated:** 26 February 2015
**Supporters:** Lavelle Fund for the Blind, USA. The rent free premises was provided by Sri Sangam Govinda Rao and Smt Sangam Nagamani, Sarpanch, Lakkavarapukota.

The Centre was inaugurated by K Lalitha Kumari, MLA, S Kota constituency, Sri Sangam Govinda Rao and Smt Sangam Nagamani.

#116 Podalakuru

**Location:** Podalakuru, Nellore district, AP
**Inaugurated:** 29 March 2015
**Supporters:** Rotary Club, Elbe, through Christoffel Blindemission and operational expenses supported by ZenQ.

Smt Bollu Kasturi Bai inaugurated the centre. Sri Bollu Murali, CEO of ZenQ was also present.

#111 at Unguturu

**Location:** Unguturu, West Godavari, AP
**Inaugurated:** 30 January 2015
**Supporters:** Capital funding is by the Latter-day Saint Charities, USA, and Diabetes Research Society of India provided the rent free facility.

Sri Maganti Venkateswara Rao, Member of Parliament, inaugurated the centre. Also present were Sri Gammi Veeranjaneyulu, MLA AP; Smt Lakhsmi, Sarpanch and other leaders from the local community.

#113 at Bhogapuram

**Location:** Bhogapuram, Vizianagaram district, AP
**Inaugurated:** 25 February 2015
**Supporters:** Lavelle Fund for the Blind, USA. The rent free premises was provided by Sri Kommuri Sanjeeva Rao, former MP in memory of Sri Kommuri Appadu Dora.

The Centre was inaugurated by Sri K Subhoshana Rao, Sarpanch, Bhogapuram, Sri A Prasada and Sri Shankara Rao.

#115 at Lodagalavanipalem

**Location:** Lodagalavanipalem, Visakhapatnam district, AP
**Inaugurated:** 22 March 2015
**Supporters:** Lavelle Fund for the Blind, USA. Rent free premises provided by Sri Bammidi Suryanarayana and Smt Bammidi Uma Devi.

Hon’ble Minister for Education and Human Resource Development, Andhra Pradesh, Sri Ganta Srinivasa Rao inaugurated the centre.
Ground Breaking for Naraindas and Morbai Budhrani Eye Centre, Rayagada, Odisha

The ground breaking ceremony of the secondary centre at Rayagada, Odisha, was performed on 12 July 2014; The centre is supported by the Naraindas Morbai Budhrani Trust, Mumbai and will be called Naraindas and Morbai Budhrani Eye Centre. Mr V N Hegde, Trustee, Naraindas Morbai Budhrani Trust; Dr Sashibhusan Padhi, District Collector, Rayagada; Dr Taraprasad Das, Vice-Chair, LVPEI; Dr Sujata Das, Director LVPEI Bhubaneswar and other dignitaries were present on the occasion.

LVPEI’s Optometry Team Visits Ladakh for a Screening Program

LVPEI’s Optometry team comprising Uday Kumar Addepalli and Veerendranath Pesala visited the Roy A Kite Memorial Clinic in Lamdon, Leh, Ladakh twice and conducted a screening program. Over 500 people were screened. 20 year old Hussain, a daily wage labourer was identified with steroid induced glaucoma and brought to Hyderabad for detailed treatment. LVPEI is helping in establishing a vision centre for the region.

13th Secondary Centre at Rajgangpur, Odisha

His Excellency Dr APJ Abdul Kalam, former President of India, inaugurated the 13th secondary care centre and the first in Odhisa at Rajgangpur on 27 February 2015. OCL Eye Centre, supported by OCL India Ltd, is dedicated to the people of Sundargarh district. Present during the inauguration were Sri Mangala Kisan, MLA, Odisha; Kanupriya Dalmia, Assistant Vice President, OCL India Ltd; Dr Gullapalli N Rao, Founder-Chair, LVPEI; and Dr Taraprasad Das, Vice-Chair, LVPEI.

12th Secondary Centre at Dhulipalla, AP

LVPEI’s 12th Secondary Service Centre - Edward and Soona Brown Eye Centre - was inaugurated on 12 January 2015 at Dhulipalla village, Guntur district, Andhra Pradesh. The Centre was inaugurated by Mr Edward Brown, Ms Soona Brown and their family in the gracious presence of Sri Kodela Shivaprasad Rao, Speaker, Andhra Pradesh State Legislative Assembly; Dr Kamineni Srinivas, Hon’ble Health Minister, Andhra Pradesh; Sri Rayapati Sambasiva Rao, Member of Parliament, Narasaraopet; Mrs Nannapaneni Rajakumari, Member of Legislative Council, Andhra Pradesh; Dr Gullapalli N Rao, Founder-Chair, LVPEI; and local community leaders.
Anniversaries

Venkata Lakshmi Eye Centre, Karamchedu, AP: 12th anniversary on 7 June 2014.


Seshanna Chennawar Eye Centre, Adilabad, Telangana: 9th anniversary on 9 June 2014.

Sudhakar and Sreekanth Ravi Eye Centre, Markapuram, AP: 7th anniversary on 3 January 2015.

Swarna Bharat Eye Centre, Nellore, AP: 7th anniversary on 1 July 2014.

Sudhakar and Sreekanth Ravi Eye Centre, Kandukur, AP: 6th anniversary on 1 February 2015.

Dr Kommareddy Raja Ram Mohan Rao Eye Centre, Guntur, AP: 3rd anniversary on 23 August 2014.

Y Mahabaleswarappa Memorial Eye Centre, Bellary, Karnataka: 2nd anniversary on 13 February 2015.

Kuchukalla Ramachandra Reddy Eye Centre at Thoodukurthy, Telangana: 16th anniversary on 24 October 2014.

Nava Bharat Eye Centre, Paloncha, Telangana: 4th anniversary on 19 February 2015.

Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye Care (GPR-ICARE), Hyderabad, Telangana: 16th anniversary on 17 December 2014.

Siloam Eye Centre, Madanapalli, AP: 8th anniversary on 11 March 2015.

The Silver Oak garden at GPR-ICARE Campus was dedicated to late Dr Alapati Apparao on 3 January 2015 marking his contributions to the development of the gardens. The members of Dr Apparao’s family graced the occasion.
World Sight Day

World Sight Day was celebrated across all our centres from 9-18 October 2014 with the theme ‘Universal Eye Health’. ‘No more avoidable blindness’ was the motto with which a series of activities including eye screening, awareness talks and rallies were conducted.

World Diabetes Day

World Diabetes Day, 14 November 2014, was observed across the LVPEI network with great enthusiasm. More than 8,000 people participated in 50 events comprising diabetes awareness walks, rallies, meetings, community diabetic retinopathy screening programs, essay, painting competitions etc.

World Glaucoma Week

School children, villagers, teachers and local leaders across all our centres actively participated in the various awareness programs organized on 12-13 March 2015, as part of the World Glaucoma Week.
WHO-IAPB South-East Asia Regional Workshop

GPR-I-CARE team attended the WHO-IAPB (International Agency for the Prevention of Blindness) - South-East Asia (SEA) regional workshop from 18-20 November 2014. It was a regional meeting to operationalize the WHO Action Plan (2014-2015) for the prevention of avoidable blindness and visual impairment in the SEA region.

Students on Projects from International Universities

A team of students from the Johns Hopkins Carey Business School, USA visited the Kuchukulla Ramachandra Reddy Eye Centre at Thoodukurthy, Mahbubnagar, Telangana on 9 January 2015, as part of their innovation for humanity project. Leah Sbriscia, Ryan Ross, Vivi Wzhao and Emmanuel Opati were the team members.

A team from the University of Rochester, New York comprising Ms Barinder Patel, Mr Meacham Terry and Mr Robert Dorman visited LVPEI’s Bijnapally and Nagarkurnool Vision Centres and also the Secondary Care Centre at Thoodukuthy, AP on 17 November 2014. They highly appreciated LVPEI’s service delivery model and the quality of the services imparted.

National Collaborating Centres

SEVA Foundation: With the support from SEVA Foundation, under the program, Global Sight Initiative, LVPEI is providing capacity building support to nine eye hospitals across India to achieve the goal of additional 100,000 cataract surgeries by the year 2020.

Operation Eyesight Universal: As a Global Resource Centre for Operation Eyesight Universal, LVPEI continues to build capacity for OEU’s partner centres by conducting refresher programs.

(Refer Map on page no 67 for locations of National Collaborating Centres)
**Service Delivery**

The services at primary care vision centres are offered entirely free of cost. A total of 195,737 people were screened of whom 62,895 were prescribed glasses for refractive errors.

<table>
<thead>
<tr>
<th>Vision Centre locations</th>
<th>No. of people screened</th>
<th>Spectacles prescribed*</th>
<th>Spectacles dispensed*</th>
<th>Referred to Service Centre</th>
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<tr>
<td>Rural (113)</td>
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</tr>
<tr>
<td>Bhainsa, Kubeer, Nandipet, Navipet, Narsapur, Lokeshwaram &amp; Tannur (7) (Bhosle Gopal Rao Patil Eye Centre, Mudhole)</td>
<td>17,514</td>
<td>5,758</td>
<td>4,669</td>
<td>3,111</td>
</tr>
<tr>
<td>Utnoor, Boath, Jainath, Bela, Narnoor, Jainoor, Jannaram, Medarpet, Neradigonda, Gudihathnook, Echoda &amp; Indervelly (12) (Seshanna Chennawar Eye Centre, Adilabad)</td>
<td>18,885</td>
<td>7,974</td>
<td>5,971</td>
<td>3,253</td>
</tr>
<tr>
<td>Wanaparthry, Achampet, Nagarkurnool, Kothakota, Kollapur, Ghanapuram, Bijnapally, Telkappally, Kalwakurthi, Lingala &amp; Amangal (11) (Kuchukulla Ramachandra Reddy Eye Centre, Thoudukurthy)</td>
<td>16,620</td>
<td>4,357</td>
<td>3,344</td>
<td>5,194</td>
</tr>
<tr>
<td>Parchuru, Pangukur, Pedanandipadu, Yeddnapudi, Marturu, Ballikuruvu, Erupalem, Chinnaganjam, Naguluppalapadu, Vetaipalem &amp; Narasayapalem (11) (Venkata Lakshmi Eye Centre, Karamchedu)</td>
<td>23,170</td>
<td>7,020</td>
<td>5,700</td>
<td>2,138</td>
</tr>
<tr>
<td>Tripuranthakam, Yerragondapalem, Dornala, Cumbum, Bestavaripeta, Giddalur, Podili, Darsi, Kurichedu &amp; Chimumkurti (10) (Sudhakar &amp; Sreekant Ravi Eye Centre, Markapuram)</td>
<td>15,117</td>
<td>4,792</td>
<td>2,182</td>
<td>3,124</td>
</tr>
<tr>
<td>Tangutur, Kondapi, Lingsamudram, Chandrasekharapuram, Singarayakonda, Pamuru, Ulavapadu, Medarmetla, Santhanuthalapadu &amp; Kothapatnam (10) (Sudhakar &amp; Sreekant Ravi Eye Centre, Kandukuru)</td>
<td>7,881</td>
<td>3,382</td>
<td>1,783</td>
<td>1,496</td>
</tr>
<tr>
<td>Nimmanapalle &amp; B Kothakota (2) (Silioam Eye Centre, Madanapalli)</td>
<td>1,766</td>
<td>372</td>
<td>229</td>
<td>450</td>
</tr>
<tr>
<td>Ravalapalem (1) (Paramahansa Yogananda Netralaya, Rajahmundry)</td>
<td>5,616</td>
<td>1,755</td>
<td>1,330</td>
<td>1,123</td>
</tr>
<tr>
<td>Chodavaram, Shrungavarapukota, Revidi, Gajapathinagaram, Govindapuram, Yalamanchili, Kailasapatnam, Kasimkota, K Kotapadu, Kothavalasa, Araku, Lakkidam, Bhagupuram, Lakavarapu Kota &amp; Lodgalavanipalem (15) (GMRV Campus, Visakhapatnam)</td>
<td>19,970</td>
<td>4,743</td>
<td>2,711</td>
<td>6,279</td>
</tr>
<tr>
<td>Kovvuli, Kapileswarapuram, Uttukuru, Mylavaram, Pedapuradu, Lingala, Buttayagudem, Agiriapalli, Visannapeta, Movva &amp; Unguturu (11) (KVC Campus, Vijayawada)</td>
<td>22,392</td>
<td>7,113</td>
<td>3,648</td>
<td>4,128</td>
</tr>
<tr>
<td>Yellandu, Kalir, Manuguru, Ashwapuram, Dammapet, Tekulapally, Chandrugonda, Tallada &amp; Cherla (9) (Navabharat Eye Centre, Paloncha)</td>
<td>14,963</td>
<td>4,514</td>
<td>3,006</td>
<td>3,362</td>
</tr>
<tr>
<td>Amrutularu &amp; Bhattiprolu (2) (Dr Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli)</td>
<td>2,813</td>
<td>1,191</td>
<td>663</td>
<td>739</td>
</tr>
<tr>
<td>Mandasa, Santhabommali, Malayaputi, Pydibhimavaram, Tekkali, Ranasthalam, Ponduru, Kotturu, Narasannapeta, &amp; Hiramandalam (10) (Arogyavaram Eye Hospital &amp; Contact Lens Clinic, Sompeta)</td>
<td>14,015</td>
<td>3,279</td>
<td>1,600</td>
<td>4,499</td>
</tr>
<tr>
<td>Banra (1) (L V Prasad Eye Institute, Bhubaneswar)</td>
<td>232</td>
<td>77</td>
<td>74</td>
<td>39</td>
</tr>
<tr>
<td>Podalakuru (1) (Swarma Bharat Eye Centre, Nellore)</td>
<td>56</td>
<td>33</td>
<td>10</td>
<td>18</td>
</tr>
<tr>
<td>Urban (3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LVPEI VST Screening Centre, Ramnagar; Vision Screening Centre, Kismathpur &amp; Vivekananda Vision Centre, Ramakrishna Math (3)</td>
<td>14,727</td>
<td>6,535</td>
<td>3,310</td>
<td>1,855</td>
</tr>
<tr>
<td>Total</td>
<td>195,737</td>
<td>62,895</td>
<td>40,230</td>
<td>40,808</td>
</tr>
</tbody>
</table>

Note: The affiliate service/tertiary centre in brackets

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

1Inaugurated December 2014. 2-4 Inaugurated February 2015. 5 Inaugurated March 2015. 6Inaugurated January 2019. 7-9,10,11 Inaugurated April 2014. 12Inaugurated May 2014. 13Inaugurated March 2015
Secondary Eye Care – Satellite and Partner Centres
During the year 175,141 people were seen at our secondary care centres.

<table>
<thead>
<tr>
<th>Rural satellite &amp; partner centres</th>
<th>Paying</th>
<th>Non-paying</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Outpatients</td>
<td>Surgeries</td>
</tr>
<tr>
<td><strong>Satellite Centres</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bhosle Gopal Rao Patil Eye Centre, Mudhole, Adilabad District, Telangana.</td>
<td>15,889</td>
<td>1,266</td>
</tr>
<tr>
<td>Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy, Mahbubnagar District, Telangana.</td>
<td>9,913</td>
<td>560</td>
</tr>
<tr>
<td>Venkata Lakshmi Eye Centre, Karamchedu, Prakasam District, AP.</td>
<td>4,764</td>
<td>239</td>
</tr>
<tr>
<td>Seshanna Chennawar Eye Centre, National Highway Road, Adilabad, Adilabad District, Telangana.</td>
<td>10,354</td>
<td>751</td>
</tr>
<tr>
<td>Siloam Eye Centre, Madanapalli, Chittoor District, AP.</td>
<td>9,820</td>
<td>555</td>
</tr>
<tr>
<td>Swarna Bharat Eye Centre, Venkatachalam, Nellore District, AP.</td>
<td>2,410</td>
<td>202</td>
</tr>
<tr>
<td>Sudhakar &amp; Sreekanth Ravi Eye Centre Markapuram, Prakasam District, AP.</td>
<td>6,809</td>
<td>346</td>
</tr>
<tr>
<td>Sudhakar &amp; Sreekanth Ravi Eye Centre, Kandukuru, Prakasam District, AP.</td>
<td>5,230</td>
<td>379</td>
</tr>
<tr>
<td>Navabharat Eye Centre, Paloncha, Khammam District, Telangana.</td>
<td>14,778</td>
<td>949</td>
</tr>
<tr>
<td>Dr. Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli, Guntur District, AP.</td>
<td>3,447</td>
<td>177</td>
</tr>
<tr>
<td>Y Mahabaleswarappa Memorial Eye Centre, Taur Road, Bellary, Karnataka State</td>
<td>2,687</td>
<td>154</td>
</tr>
<tr>
<td>Edward and Soona Brown Eye Centre, Dhulipalla Village, Sattenapalli, AP</td>
<td>1,017</td>
<td>13</td>
</tr>
<tr>
<td>OCL Eye Centre, Ranibandh, Rajangpur, Odisha</td>
<td>871</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>87,989</td>
<td>5,591</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Partner Centres</th>
<th>Paying</th>
<th>Non-paying</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mullapudi Venkatarayudu Eye Centre Tanuku, West Godavari District, AP.</td>
<td>10,516</td>
<td>984</td>
</tr>
<tr>
<td>Smt. Rajeshwari Ramakrishnan Lions Eye Hospital, Nidadavole, West Godavari District, AP.</td>
<td>21,006</td>
<td>2,059</td>
</tr>
<tr>
<td>St Gregorius Balagram Eye Hospital, Yacharam, Ranga Reddy District, Telangana.</td>
<td>6,024</td>
<td>169</td>
</tr>
<tr>
<td>Lions Club of Suryapet Eye Hospital, Suryapet, Nalgonda District, Telangana.</td>
<td>3,129</td>
<td>441</td>
</tr>
<tr>
<td>The Rotary Eye Hospital, Proddatur, Kadapa District, AP.</td>
<td>7,607</td>
<td>1,898</td>
</tr>
<tr>
<td>Paramahansa Yogananda Netralaya, Vemagiri, Rajahmundry, East Godavari District, AP</td>
<td>27,687</td>
<td>3,159</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Urban Partner Centres in Hyderabad</th>
<th>Paying</th>
<th>Non-paying</th>
</tr>
</thead>
<tbody>
<tr>
<td>M S Reddy Lions Eye Hospital, Moula Ali</td>
<td>12,115</td>
<td>811</td>
</tr>
<tr>
<td>Kishore Chand Chordia Eye Centre, Begum Bazaar</td>
<td>8,037</td>
<td>376</td>
</tr>
<tr>
<td>Y Kishan Rao Balanagar Lions Eye Hospital, Balanagar</td>
<td>15,027</td>
<td>688</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>111,148</td>
<td>10,585</td>
</tr>
</tbody>
</table>

Total Outpatients: 383,172
Total Surgeries: 51,470
## Community Eye Care Program
### Service Delivery: Screening Programs

<table>
<thead>
<tr>
<th></th>
<th>LVPEI VVC*</th>
<th>GMRV*</th>
<th>HOUSE*</th>
<th>Sunethra*</th>
<th>SFK*</th>
<th>CLIP*</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slums/Villages surveyed</td>
<td>445</td>
<td>155</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>600</td>
</tr>
<tr>
<td>Population covered by door-to-door surveys</td>
<td>473,046</td>
<td>156,843</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>629,889</td>
</tr>
<tr>
<td>Identified with eye ailments</td>
<td>64,270</td>
<td>7676</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>71,946</td>
</tr>
<tr>
<td>People identified with diabetes/ high risk for diabetes</td>
<td>2909</td>
<td>464</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3373</td>
</tr>
<tr>
<td>Community Screening Programs organized</td>
<td>1562</td>
<td>87</td>
<td>51</td>
<td>34</td>
<td>-</td>
<td>16</td>
<td>1750</td>
</tr>
<tr>
<td>People screened</td>
<td>106,247</td>
<td>6036</td>
<td>2812</td>
<td>2425</td>
<td>-</td>
<td>702</td>
<td>118,222</td>
</tr>
<tr>
<td>Spectacles prescribed</td>
<td>28,274</td>
<td>1099</td>
<td>828</td>
<td>437</td>
<td>-</td>
<td>361</td>
<td>30,999</td>
</tr>
<tr>
<td>Spectacles dispensed</td>
<td>9738</td>
<td>382</td>
<td>251</td>
<td>132</td>
<td>-</td>
<td>57</td>
<td>10,560</td>
</tr>
<tr>
<td>Awareness programs conducted</td>
<td>125</td>
<td>0</td>
<td>0</td>
<td>1140</td>
<td>2</td>
<td>27</td>
<td>1294</td>
</tr>
</tbody>
</table>

### Schools Screening Programs

<table>
<thead>
<tr>
<th></th>
<th>LVPEI VVC*</th>
<th>GMRV*</th>
<th>HOUSE*</th>
<th>Sunethra*</th>
<th>SFK*</th>
<th>CLIP*</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schools covered</td>
<td>254</td>
<td>59</td>
<td>3</td>
<td>4</td>
<td>191</td>
<td>18</td>
<td>529</td>
</tr>
<tr>
<td>Teachers Trained</td>
<td>275</td>
<td>62</td>
<td>13</td>
<td>21</td>
<td>233</td>
<td>91</td>
<td>695</td>
</tr>
<tr>
<td>Children screened</td>
<td>35,400</td>
<td>11,047</td>
<td>679</td>
<td>1666</td>
<td>32,202</td>
<td>699</td>
<td>81,693</td>
</tr>
<tr>
<td>Identified with eye problem</td>
<td>2334</td>
<td>260</td>
<td>51</td>
<td>89</td>
<td>1981</td>
<td>68</td>
<td>4783</td>
</tr>
<tr>
<td>Referred for further management</td>
<td>1980</td>
<td>139</td>
<td>39</td>
<td>72</td>
<td>188</td>
<td>24</td>
<td>2442</td>
</tr>
</tbody>
</table>

### Anganwadi Screening Programs for children 0-5 years of age

<table>
<thead>
<tr>
<th></th>
<th>LVPEI VVC*</th>
<th>GMRV*</th>
<th>HOUSE*</th>
<th>Sunethra*</th>
<th>SFK*</th>
<th>CLIP*</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programs organized</td>
<td>54</td>
<td>27</td>
<td>-</td>
<td>5</td>
<td>-</td>
<td>17</td>
<td>103</td>
</tr>
<tr>
<td>Children screened</td>
<td>1271</td>
<td>467</td>
<td>-</td>
<td>148</td>
<td>-</td>
<td>479</td>
<td>2365</td>
</tr>
<tr>
<td>Identified with eye problems</td>
<td>185</td>
<td>1</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>2</td>
<td>188</td>
</tr>
</tbody>
</table>

### Community Based Rehabilitation of the visually challenged

<table>
<thead>
<tr>
<th></th>
<th>LVPEI VVC*</th>
<th>GMRV*</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identified with blindness / low vision</td>
<td>373</td>
<td>232</td>
<td>605</td>
</tr>
<tr>
<td>Counselled for rehabilitation</td>
<td>114</td>
<td>232</td>
<td>346</td>
</tr>
<tr>
<td>Base hospital certification</td>
<td>74</td>
<td>232</td>
<td>306</td>
</tr>
<tr>
<td>Medical board certification</td>
<td>56</td>
<td>5</td>
<td>61</td>
</tr>
<tr>
<td>Low-vision service</td>
<td>40</td>
<td>33</td>
<td>73</td>
</tr>
<tr>
<td>Orientation and Mobility skills and Activities of Daily Living skills training</td>
<td>145</td>
<td>99</td>
<td>244</td>
</tr>
<tr>
<td>Travel concession - Bus</td>
<td>47</td>
<td>27</td>
<td>74</td>
</tr>
<tr>
<td>Travel concession - Train</td>
<td>53</td>
<td>2</td>
<td>55</td>
</tr>
<tr>
<td>Pension - Old age</td>
<td>4</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>Pension - Handicapped</td>
<td>209</td>
<td>12</td>
<td>221</td>
</tr>
<tr>
<td>School Admission</td>
<td>5</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>

*LVPEI VVC: Twelve secondary satellite centres of LVPEI  
*GMRV: GMR Varalakshmi Campus  
*HOUSE: Hyderabad Urban Slums Eye Care Program  
*Sunethra: Hospital Based Community Eye Care Project  
*CLIP: Community Linked Integrated Program, Jainath  
*SFK: Sight for Kids
### Operations Research at GPR-ICARE

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Investigators</th>
<th>Supported by</th>
<th>Project Update</th>
</tr>
</thead>
</table>
| L V Prasad Eye Institute-Glaucoma Epidemiology and Molecular Genomics Study (LVPEI-GLEAMS) (September 2010-September 2014) | Dr G Chandra Sekhar Dr Rohit Khanna Dr Harsha BL Rao Dr Padmaja K Rani Dr Subhabrata Chakraborti Mr Uday Kumar Addepalli Mr Ganesh Babu Jonnadula | LVPEI                          | Clinical phase of the study completed in 2013  
Genetics phase of the study completed in 2014  
Blood samples were collected from subjects and controls  
DNA extraction in progress  
Serum separation from a portion of these samples have been collected |
| Andhra Pradesh Eye Disease Study (APEDS)-III Follow Up Study (June 2012-Ongoing) | Dr Rohit Khanna Dr Subhabrata Chakraborti Dr Srinivas Marmamula Dr P Giridhar Ms Asha Latha Mettila (Project Coordinator) ICEPT: Dr Clare Gilbert Dr GVS Murthy | LVPEI / Lions Clubs International Foundation, USA/ Dept. of Biotechnology, Centre of Excellence grant | Completed at Thoodukurthy, Mahbubnagar and Mudhole, Adilabad, districts in Telangana  
Project is ongoing at Nidadavole, West Godavari district, AP  
Subjects examined: 4423 |
| Rapid Assessment of Visual Impairment (RAVI) project (February 2014- Ongoing)    | Dr Srinivas Marmamula                                   | Christoffel Blindemission (CBM) Germany | Project completed at Mahbubnagar and Adilabad, districts in Telangana  
Ongoing at Sattenapally, Guntur district, AP  
Participants enumerated: 6150  
Subjects examined: 5881  
Participants identified with Visual impairment: 12.6%; 95% CI: 11.6 – 13.4  
Participants identified with Cataract: 54.5%  
Participants identified with refractive error: 38.8% |
| Barriers to uptake of referral services within L V Prasad’s ICARE pyramid: A study at Navabharat Eye Centre, Paloncha, Khammam District, AP (March 2014-October 2014) | Dr Rohit Khanna Dr Giridhar Pyda Ms Asha Latha Mettila | LVPEI                          | Participants interviewed: 610  
Personal interviews conducted: 457  
Telephonic interviews conducted: 154  
Patients who visited the centre after referral: 247  
Patients who did not visit the centre after referral: 193 |
| INITIATIVES FOR CHILDREN                                                       |                                                         |                               |                                                                                                                                  |
| Children’s Eye Health Initiative (July 2007-June 2014)                         | Ms Korani Jyothi Mr Jachin D Williams                   | Nimmagadda Foundation/LVPEI    | Schools covered: 18  
Teachers trained: 14  
Children screened: 1317  
Referred for detailed eye examination: 277  
Outpatients screened: 7614  
Surgeries performed: 1038  
Spectacles prescribed & dispensed: 518  
0-5 years children’s screening programs: 10  
Anganwadi teachers trained: 10  
Anganwadi school children screened: 187 |
| Sight for Kids (1 year)                                                        | Mr Jachin D Williams Mr M Veeru Mr N Surender Reddy     | Lions Clubs International Foundation, USA | Schools Covered: 191  
Teachers trained: 233  
Children screened: 32202  
Spectacles prescribed and dispensed: 419  
Referred for treatment: 188 |
| EMPOWERING RURAL COMMUNITIES                                                   |                                                         |                               |                                                                                                                                  |
| Essilor - LVPEI Mobile Refraction Screening Program (March 2013 - Ongoing)      | Mr Jachin D Williams Mr Vasu Babu Mr Papaiah            | Essilor, India                 | Population screened: 12,08  
Spectacles prescribed & dispensed: 2403  
Examined at secondary centre: 389 |
| Community Linked Integrated Project (CLIP) (June 2011 - Ongoing)               | Dr Suresh Kuruganti Mr Jachin D Williams Mr Franklin Daniel, Operation Eyesight Universal | LVPEI/ Operation Eyesight Universal, India | Villages covered: 38  
Population screened: 1880  
Spectacles prescribed & dispensed: 703  
Operated for cataract & other causes: 192  
Vision Health Committees formed: 19 |
| Sunetra Programme (Hospital Based Community Eye care Programme) (July 2013-Ongoing) | Mr Jachin D Williams Mr Franklin Daniel, Operation Eyesight Universal | LVPEI                          | Ongoing in Gudavalli, Guntur district, AP and Bellary, Karnataka  
Villages covered: 34  
People screened: 4091  
Eye Problems identified: 526  
Examined at Vision and Secondary centre: 5494  
Surgeries performed: 872 |
The three dwarf brothers, Malku, Nagrao and Bapurao, all of them in their sixties, from Kosai village in Adilabad district of Telangana, are now able to carry out their day-to-day activities independently. But a year back, the picture was very different. The three of them were suffering from blurred vision. During an LVPEI screening program organized at Kosai village, these brothers were diagnosed with bilateral blinding cataract and were advised to undergo surgery for vision restoration at the Seshanna Chennawar Eye Centre (LVPEI Secondary Centre) in Adilabad. The centre being 35 kilometers away from their village, they were apprehensive about travelling the long distance on their own and undergoing the surgery. But the community eye care team successfully counseled them and convinced them on the immediate need to address their problem. On 16 December 2014, the surgeries were performed. The brothers are very happy and satisfied with the improvement in their vision post the surgery. As a token of appreciation they gifted our doctors and other staff members vegetables grown in their garden.

---

### DIABETIC RETINOPATHY

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Investigators</th>
<th>Supported by</th>
<th>Project Update</th>
</tr>
</thead>
</table>
| Capacity building program to address diabetes and diabetic retinopathy in Prakasam District (September 2008 to March 2015) | Dr Padmaja K Rani | World Diabetes Foundation, Denmark | Eye screening for diabetics: 21,716
Diabetics received eye treatment: 1088
People referred to Secondary Centre: 5597
People referred to Tertiary Centre: 141 |
| Alcon-LVPEI diabetic retinopathy screening at primary eye care in rural India (December 2012-March 2015) | Dr Padmaja K Rani | Optometry Giving Sight, UK | Vision Health Guardians: 25
Diabetics screened through fundus camera: 21,716
Diabetic Retinopathy screening programs organised: 312 |
| Integration of general health and eye screening at vision centre (March 2013-March 2015) | Dr Padmaja K Rani | Vision CRC, Australia | Vision centres: 17
People screened for diabetes: 4965
People screened for hypertension: 24,217
People diagnosed newly with diabetes: 255
People diagnosed newly with hypertension: 823 |
National Collaborating Centres

Partners supported by SEVA Foundation
- DSKEI, Latur
- CLGEI, Moradabad
- CPEH, Jorhat
- TEH, Tezpur
- KSLMREH, Udhampur
- JRLEH, Kanpur
- ULEH, Udigr
- JWGHRC, Mount Abu
- LCT, Panvel

Partners supported by Operation Eyesight Universal (OEU)
- TSSK, Malda
- SGLEH, Siliguri
- BEC, Shillong
- AVEH, Sompeta
- St. Gregorios, Yacharam
- Velemegna, Bidar
- Assumption, Kanhirapuzha
- St. Josephs, Kothamangalam
- GMEH, Mettupalayam
The Academy of Eye Care Education came into existence in 2013 as the apex body of education and training, with all the education centres across the LVPEI campus coming under its purview. The centre focuses on imparting quality education and training to all cadres of eye care professionals. The Academy of Eye Care Education encompasses:

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

This year the good news is that our Ophthalmic Nursing Assistant (ONA) program will be now jointly certified by The University of Rochester School of Nursing, USA.

Another remarkable development is the collaborations we have established with leading organizations; Queen Elizabeth Diamond Jubilee Trust (QEDJT) for training of Ophthalmologists of Commonwealth countries, and World Health Organization for training pediatric ophthalmology teams and low vision personnels for Myanmar and African nations. Training commitments with Royal Australia and New Zealand College of Ophthalmologists (RANZCO) and European School for Advanced Studies in Opthalmology (ESASO) are also ongoing.

Maintaining its legacy of excellence, the Bausch and Lomb School of Optometry (BLSO) this year too was adjudged as best school of optometry in India and won the Educational Excellence Award by the Indo-Global Education Expo and Summit 2014. It also bagged the prestigious India Vision Intitute Young Optometry Researcher Rolling Trophy for 2014. Two of its students were also awarded grants by Indian Vision Institute for undergraduate research projects.
Moment of Immense Pride

Award for Educational Excellence

Bausch and Lomb School of Optometry (BLSO) received the Award for Educational Excellence presented by the Indo-Global Education Expo and Summit on 20 November 2014.

IVI Young Optometry Researcher Rolling Trophy

Bausch and Lomb School of Optometry (BLSO) interns Hemanth Reddy and Syed Hafiz won the India Vision Institute Young Optometry Researcher Rolling Trophy for their research projects, “SMARTstereo: a novel tablet PC based application for measuring stereoacuity in the clinic” on 30 October 2014. Currently, LVPEI’s Srujana Innovation Centre is verifying the commercial viability of this application.

Education Day Celebrations

The Graduation ceremony for any institute is an important event and is a reflection of the joy institutions share with students who have successfully completed their training program. The Academy of Eye Care Education we decided to begin this trend in the year 2014. The Education Day was celebrated on 29-30 November 2014. A total of 178 trainees were awarded certificates on successfully completing their courses. What was significant this year was the graduation of the first batch of Optometry fellows who followed a module-based system encouraging deeper learning of skills and promoting private practices in Optometry. Mr A V Rama Rao, an eminent scientist was the guest of honour and Professor Vikas Desai, a filmmaker was the chief guest.

Important Dignitaries Visit BLSO

The first quarter of 2015, saw some very important dignitaries visiting BLSO. On the occasion of Annual Champalimaud Foundation Day on 2 Feb 2015, Madame Leonor Beleza, President of the Champalimaud Foundation, Portugal visited BLSO.

A team comprising Mr Mani Iyer, Senior Director, Strategy and Global Sustainable Operations and several other prominent members from the OneSight Foundation visited BLSO on 23 March 2015 to study the capacity building initiatives of Optometrists and Vision Technicians.

The visitors were not only impressed with the course curriculum, but also with the overall holistic learning environment provided to the student.
World Glaucoma Week

The World Glaucoma Week (WGW) was observed by a series of activities focusing on early detection and prevention of glaucoma through family screening from 8-4 March 2015. Awareness walks were conducted to mark the occasion across the network. To sensitize and educate postgraduates and general ophthalmologists of Telangana and Andhra Pradesh, a workshop - “The Art and Science of Glaucoma” was organized at The Park, Hyderabad in association with The Hyderabad Ophthalmologists’ Association.

World Optometry Day

On the eve of World Optometry Day (WOD) celebrations, third year students of Bausch and Lomb school of Optometry participated in the vision screening program at Megha Institute of Engineering and Technology, Ranga Reddy, Telangana on 24 March 2015. The main focus was to create awareness about optometry and encourage interactions at the academic level among colleges and schools of optometry. About 400 students and staff members were screened. Of these 20% were prescribed with glasses after comprehensive examination - refraction, external examination and slit lamp examination.

Workshops and Training

Ocular Surface Disorders - Second Workshop

The Second Annual Ocular Surface Disorders Workshop, supported by the Champalimaud Foundation was organized from 29-31 January 2015. It received active participation from some eminent professionals such as Professor James Chodosh, Massachusetts Eye and Ear Infirmary, Harvard Medical School; Professor Guillermo Amescua, Bascom Palmer Eye Institute, USA; Dr Ahmed Gomaa, Orbis - The Flying Eye Hospital, USA and Professor Namrata Sharma, R P Center of Ophthalmic Sciences, AIIMS, New Delhi, among many others.
Anesthesia Seminar for Trainees
The Indian Society of Anesthesiologists (ISA) conducted a series of Focused Anesthesia Seminars for Trainees (FAST) in association with the Department of Anesthesia at LVPEI, on 8 March 2015. The ISA conducts this program for postgraduate doctors from anesthesia specialties.

EnVision 2015 Workshop
The inaugural EnVision 2015 workshop hosted by the Srujana Centre for Innovation aimed at providing bio-engineering skills to optometry and vision science staff and LVPEI faculty. Prof Adrian Glasser, University of Houston College of Optometry and Dr Shrikant Bharadwaj, LVPEI facilitated the five-day workshop held from 2-6 February 2015.

Retinopathy of Prematurity (ROP) CME
A series of activities to increase awareness about Retinopathy of Prematurity (ROP) were organized as a mark of completion of 15 years of the Indian Twin Cities Retinopathy of Prematurity Screening (ITCROPS) program. The first ever dedicated hands-on surgical workshop in India devoted to retinal diseases of newborns and children was organized from 5-8 November 2014 at LVPEI. About 100 children with retinal problems were examined for expert opinion and live surgical demonstrations.

Eye-PEP 2014
Eye PEP, the Postgraduate Education Program in Ophthalmology, was attended by around 200 students. The six-day program held from 23-28 November 2014 and aimed at providing practical hands-on experience of basic and clinical ophthalmology.

Retina and Uvea Preceptorship Program
A two day Retina/Uvea Preceptorship program was conducted from 14-15 November 2014 in collaboration with Allergan India Pvt Ltd. A group of 4 Ophthalmologists from Thailand attended this program.

Advanced Cardiac Life Support Training (ACLS)
ACLS was attended by 16 fellow doctors on 24 August 2014. It was organized by GVK EMRI - Emergency Management and Research Institute.
LVPEI Sightlife DSEK Skills Transfer Course - Second Edition

The second edition of the LVPEI Sightlife DSEK Skills Transfer Course was conducted in Hyderabad during 1-4 December 2014. The international faculty group consisted of Dr Roberto Pineda, Dr Jay C Rudd and Dr Audrey Rostov. Long Term Ophthalmology fellowship selections were conducted from 25-26 October 2014. From the 98 applications received from across the country from the best of the institutes in India, 17 potential candidates were selected for the 2015 session.

ReLOAD- Review Meeting

ReLOAD a review meeting for ‘Re-Learning On Advancement and Development’ was conducted in collaboration with Alcon for fellows working in rural community on 16 November 2014.

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 five years ago to engage with learning and knowledge sharing on a global platform. The series brings the best minds in the 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. The institute was 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. To all these individuals who were so generous with their time and talent, we are very grateful.

Public Lectures

Mr Ian Cox, Chair, Development Committee, International Guide Dog Federation delivered a Public Lecture on ‘Starting and Developing a Guide Dog Organization’ on 4 November 2014. Guide dogs are popularly used in developed countries to assist vision impaired and blind people. A total number of 125 members including visually impaired clients of LVPEI and their parents attended this lecture.

Prof Padmaja Sankaridurg, Program Leader, Brien Holden Vision Institute and The Vision Co-operative Research Centre, Sydney, Australia, delivered the Late Shri Pushkarlalji Tibrewala Public Lecture on 4 October 2014. She spoke on “Myopia - a growing problem worldwide” and described myopia as a growing epidemic leading to severe visual morbidity in many parts of the world, especially South-East Asia.
Guest Lectures

Dr Gangadhar Sundar
Head, Orbit & Oculofacial Surgery, National University Hospital System, Singapore; "Thyroid Eye Disease - The past, present and the future"; 3 July 2014.

Dr David Maberley
Faculty and Head of Department, Ophthalmology and Visual Sciences, School of Medicine, University of British Columbia; "Pathologic Myopia"; 28 October 2014.

Dr Vivian Yin
Oculoplastic Surgeon, University of British Columbia, Vancouver; "Management of Difficult Ptosis"; 28 October 2014.

Dr Michael T Trese
Beaumont School of Medicine and Wayne State University School of Medicine; "Pharmacologic Manipulations in Vitreous in Pediatric and other Retinal diseases"; 5 November 2014; and "Wide-Field Imaging in FEVR"; 11 November 2014.

Prof Usha Chakravarthy
Professor of Ophthalmology and Vision Sciences, Royal Victoria Hospital (The Belfast Trust) and Queens University of Belfast, Northern Ireland; "Geographic Atrophy in the Anti VEGF Era: Fact or Myth"; 21 November 2014.

Mr Ramam Atmakuri
Executive Vice Chair, LVPEI; "The Doctor as an Entrepreneur"; 14 January 2015.

Prof Jacob Peter
Chairman, Department of Ophthalmology, Jonas Friedenwald Professor of Ophthalmic Research Hadassah-Hebrew University Medical Center, Jerusalem, Israel; "Diagnosis and treatment of vitreoretinal lymphoma"; 25 February 2015.

Prof Usha Chakravarthy
Professor of Ophthalmology and Vision Sciences, Royal Victoria Hospital (The Belfast Trust) and Queens University of Belfast, Northern Ireland; "Geographic Atrophy in the Anti VEGF Era: Fact or Myth"; 21 November 2014.

Prof Jill Keefe
University of Melbourne, Department of Ophthalmology (Honorary Appointment); "Online course in Low Vision for Ophthalmologists"; 31 July 2014 and "Global issues in Low Vision Services"; 12 November 2014.

Dr Gregroy Hopkins
Research clinical assistant professor at the Ohio State University, College of Optometry and a low vision optometrist at the Columbus Veteran Affairs Medical Center; "Evaluation of visual function in a pediatric low vision setting"; 10 October 2014.

Dr Milind Pande
Consultant Ophthalmic Surgeon & Medical Director, Vision Surgery & Research Centre, UK; "Refractive Cataract Surgery"; 24 January 2015.

Dr Robert Folberg
Founding Dean and Professor of Biomedical Sciences and Ophthalmology, Chicago, USA; "Virtual microscopy"; 25 February 2015.

Dr Rajeev S Ramchandran
Assistant Professor in Ophthalmology in the University of Rochester School of Medicine and Dentistry’s Flaum Eye Institute; The University of Rochester-L V Prasad Eye Institute Partnership: Building on a 40-year Association"; 25 March 2015.

Dr Richard W Hertle
Chief of Pediatric Ophthalmology and Visual Sciences, Department of Ophthalmology, University of Padova, Italy; "Subthreshold Micropulse Laser Treatment: Efficacy and Safety"; 1 August 2014.

Dr Milind Pande
Consultant Ophthalmic Surgeon & Medical Director, Vision Surgery & Research Centre, UK; "Refractive Cataract Surgery"; 24 January 2015.

Prof Brien Holden
Founder and CEO, Brien Holden Vision Institute; "Virtual microscopy"; 25 February 2015.

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Founder and CEO, Brien Holden Vision Institute; "Virtual microscopy"; 25 February 2015.

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Dr Usha Chakravarthy
Professor of Ophthalmology and Vision Sciences, Royal Victoria Hospital (The Belfast Trust) and Queens University of Belfast, Northern Ireland; "Geographic Atrophy in the Anti VEGF Era: Fact or Myth"; 21 November 2014.

Mr Amr Shriram Gogate
Associate Director, Professional Affairs, Johnson & Johnson Vision Care, India; "Science & Technology behind Acuvue Lenses"; 10 June 2014.

Dr Irene H Maumenee
Research Professor of Ophthalmology, Pediatric Ophthalmology & Adult Strabismus Service, Director, Ocular Genetics Laboratory, Illinois Eye and Ear Infirmary, Chicago, USA; "Ocular Complications in Hereditary Connective Tissue Diseases"; in October 2014.

Dr Gregory Hopkins
Research clinical assistant professor at the Ohio State University, College of Optometry and a low vision optometrist at the Columbus Veteran Affairs Medical Center; "Evaluation of visual function in a pediatric low vision setting"; 10 October 2014.

Dr Edwardo Midena
Chairman and Professor of Ophthalmology and Visual Sciences, Department of Ophthalmology, University of Padova, Italy; "Subthreshold Micropulse Laser Treatment: Efficacy and Safety"; 1 August 2014.

Dr Milind Pande
Consultant Ophthalmic Surgeon & Medical Director, Vision Surgery & Research Centre, UK; "Refractive Cataract Surgery"; 24 January 2015.

Dr Robert Folberg
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Dr Milind Pande
Consultant Ophthalmic Surgeon & Medical Director, Vision Surgery & Research Centre, UK; "Refractive Cataract Surgery"; 24 January 2015.

Dr Robert Folberg
Founding Dean and Professor of Biomedical Sciences and Ophthalmology, Chicago, USA; "Virtual microscopy"; 25 February 2015.
Ophthalmology

Cornea & Anterior Segment

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

Nyi Nyi Zaw, Myanmar
Moe Moe Hlaing, Mandalay, Myanmar
Aye Aye Thin, Myanmar
Latt Latt, Myanmar

Observships
Raman Mittal, Amritsar, Punjab

OCULOPLASTY

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

Nyi Nyi Zaw, Myanmar
Moe Moe Hlaing, Mandalay, Myanmar
Aye Aye Thin, Myanmar
Latt Latt, Myanmar

Observerships
Raman Mittal, Amritsar, Punjab

Short Term Fellowships (3 months)

Dependra Phalak, Bhusawal, Maharashtra
Anand Partani, Nagpur, Maharashtra
Ashray Nayak, Bangalore, Karnataka
Rachita Sarangi, Kolkata, West Bengal

Naria Jyoti, Kolkata, West Bengal

Retinopathy of Prematurity

Nitin Ganes, New Delhi
Anuj Soni, Mumbai, Maharashtra
Smitha BR, Bangalore, Karnataka
Vivek Kumar Gupta, Meerut, Uttar Pradesh

Phacoemulsification Training

Renu Dubey, Hyderabad, Telangana
Perrizio Magliozzi, Napoli, Italy (ESASO)

SICS Training

Azu-Okete June Chioza, Federal Teaching Hospital, Abakaliki, Ebonyi State, Nigeria
Dornadula Aparna, Hyderabad, Telangana
Michael Birch, Newcastle Eye Centre, Royal Victoria Infrimoray, United Kingdom
Smrita Sandhu, Sambhu Nath Pandit Hospital, Kolkata, West Bengal

ZEISS Training Program

Kalpana Reddy, Regional Eye Hospital, Warangal, Telangana
Ashvini Khadha ROJ Guwahati, Assam
San Manjunatha, SCB Medical College, Cuttack, Odisha

Niyi Zaw, Myanmar
Moe Mo Hlaing, Mandalay, Myanmar
Aye Aye Thin, Myanmar
Latt Latt, Myanmar

Observships
Raman Mittal, Amritsar, Punjab

Short Term Fellowships (3 months)

Aparna Dornadula, Hyderabad, Telangana
Purusha Narang, Mahatma Gandhi Institute of Medical Sciences, Sewagram, Wardha, Maharashtra
Sheetal Mahuvakar, Ahmedabad, Gujarat

Observerships
William Gregory, New York, USA
Neha Kapur, Defence Colony, New Delhi
M Elady, Hyderabad, Telangana
Gayathri Sreekantan, Chennai, Tamil Nadu
Faraz Khan, North Carolina, USA
A V Reddy, Anathapurnam, Tamil Nadu
Ravinder Kumar M, New Delhi
Sonal Vyas, Sai Baba Eye Hospital, Raipur, Chhattisgarh
Gourav S Potnis, Satara, Maharashtra

Glaucoma

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

Siddharth Dikshit, Bahadur, Jharkhand

Short Term Fellowships (3 months)

Smita Patel, Sewa Sadan, New Delhi
Anita Mathews, Trichur, Kerala

Observerships
Tina Damani, Indore, Madhya Pradesh
Nurse Ariturk, Samsun, Turkey
Geetha Parthiban, Vasan Eye Care, Madurai, Tamil Nadu
Geetha Parthiban, Vasan Eye Care, Madurai, Tamil Nadu
Suvidha Mahar, Bareilly, Uttar Pradesh
Dwarika Kakkar, Kandivali, Mumbai, Maharashtra

Retina and Vitreous

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

Navakanth Bandi, Vijayawada, Andhra Pradesh
Devendra Phalak, Bhusawal, Maharashtra
Anand Partani, Nagpur, Maharashtra
Ashray Nayak, Bangalore, Karnataka
Rachita Sarangi, Bangalore, Karnataka
Valbhab Sethi, New Delhi

Short Term Fellowships (3 months)

Deepthi Mehta, Hyderabad, Telangana
Bhavana Jain, Mumbai, Maharashtra
Punit Parasurampuria, Aliagar, Uttar Pradesh

Observerships
Emre Hekimoglu, Ankara, Turkey
Rakesh Juneja, Wardha, Maharashtra
Deepa Sharma, Dr Shroff’s Charity Eye Hospital, Delhi.
Vasu Kumar, CFS, New Delhi
Vinuta Gupta, AIIMS, Rishikesh, Uttarkhand

Pediatric Team Training

Hla Hla Win, Myanmar
Thuzar Win, Myanmar

Dharmil Doshi, Government Medical College, Bhavnagar, Gujarat
Sridhar K, Regional Eye Hospital, Warangal, Telangana
Shivam Madan, Jawaharlal Nehru Medical College, Belagum, Karnataka
Keerthana Mattalpidu, Mediciti Institute of Medical Sciences, Gharpur, Telangana
Divya, Mediciti Institute of Medical Sciences, Gharpur, Telangana
Prashant Jain, Gandhi Eye Hospital, Aligarh, Uttar Pradesh
Agarwal Shruthi Rajendra, Gandhi Eye Hospital, Aligarh, Uttar Pradesh
Anitha Bisht, Global Hospital - Inst of Ophthalmology, Rohini, New Delhi
Prathima Injamuri, CAIMS, Karimnagar, Telangana
Gautam Kumar, PMCH, Patna, Bihar
Garvita Singh, PMCH, Patna, Bihar
Neelam Sadhwanri, EYE Q 2-PKN, Lucknow, Uttar Pradesh
Anik Das, VSS Medical College and Hospital, Burlo, Odisha
Pavani, JLN Hospital & Research Centre, Bhilai, Chhattisgarh
Subhadip Sarkar, PMCH, Patna, Bihar
Aditya Maitry, RIO, Guwahati, Assam
Narasingma Rao, SVS Medical College, Mahabubnagar, Telangana
Divya B Sumandeep, University, Baroda, Gujarat
Sneha Amarnath, Ranagaya Medical College, Kakinada, Andhra Pradesh
Syed Musaab, Owaasi Hospital & Research Centre, Hyderabad, Telangana
Shruthi Taniparthi, CAIMS, Karimnagar, Andhra Pradesh
Prasanna Sundari, Guntur Medical College, Guntur, Andhra Pradesh
Anirudh Duhan, GMCH, Guwahati, Assam
Sunil Kumar, MKCG Medical College, Berhampur, Odisha
Jyothi Vempati, MKCG Medical College, Berhampur, Odisha
Nikhil Govindwar, JIPM Rotary Eye Hospital, Cuttack, Odisha
Nirmal Jayadev, MKCG Medical College, Berhampur, Odisha
Sintharam, MKCG Medical College, Berhampur, Odisha
Amit Ranjan, MKCG Medical College, Berhampur, Odisha
Sudhanshu, MKCG Medical College, Berhampur, Odisha
Rahulkant Bhoi, MKCG Medical College, Berhampur, Odisha
Rohini M, CAIMS, Karimnagar, Telangana
Sangeeta Kalita, RIO, Guwahati, Assam
Nazima Nasreen, RIO, Guwahati, Assam
Abhishek Sahdeo, JIPM Rotary Eye Hospital, Cuttack, Odisha
Rajendra Chaudhary, RIO, Guwahati, Assam
Sujeet Addya, RIO, Guwahati, Assam
Bhuvanewari A, Guntur Medical College, Guntur, Andhra Pradesh
Khemar Kehan, Guntur Medical College, Guntur, Andhra Pradesh
Nitesh Jain, JLN Hospital & Research Center, Bhilai, Chhattisgarh

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Mark Nathaniel Thadikonda & Vijayamma Nanpapa Centre for Eye Care Education, Hyderabad, Trainees
Vijay Katre, JLN Hospital & Research Center, Bhubaneswar, Odisha
Mayur Dutta Bharali, RIO, Guwahati, Assam
Prasenjit Kallia, RIO, Guwahati, Assam

Clinical Rotations
William Pothoff, University of Cincinnati, Cincinnati, Ohio
Nishant Soni, Maryland, USA
Morgan Renner, Floum Eye Institute University of Rochester Medical Center
Aayla Haedo, Juan, Floum Eye Institute University of Rochester Medical Center
Shipra Gupta, University of Cincinnati, Cincinnati, Ohio

Medical Student Rotation
Sailaja Bondalapati, UNC School of Medicine, North Carolina, USA
Anushree Sharma, Rochester, USA
Elizabeth Zane, New York, USA
Greg Hopkins, Ohio, USA
Vijay Mistry, Australia
Mahdi Abdulla, The Royal Liverpool University Hospital, Liverpool, England

Optometry
BS Optometry
Abhishal Goud Marupally, Medak, Telangana
Amarak Sharmeen, Hyderabad, Telangana
Amulya Adike, Warangal, Telangana
Aparna V, Hyderabad, Telangana
Bhagyalkashmi Marela, Visakhapatnam, Andhra Pradesh
Rahul M, Warangal, Telangana

Pediatrics
Sony Lyngdoh, Meghalaya, Shillong
Vivek Prakash Rathod, Thane, Mumbai
Krane Gsei Okyere, Ghana, Africa

Posterior Segment
Bhupesh Kumar, Raipur, Chhattisgarh
Sudipa Sahu, Medinpur, West Bengal
Reena C Prajapat, Bilaspur, Chhattisgarh
Sonita Sachdev, Raipur, Chhattisgarh

Internship in Optometry
Vinod Kumar Maddur, Ranga Reddy, Telangana
Vidhyae Hhatt Varadarajula, Nizamabad, Telangana

Others
Rajita P, BITS Pilani
Asmita, BITS Pilani
Nikitha CH, BITS Pilani
Nafla Poonawala, BITS Pilani
K Shruthi Sree, BITS Pilani
Samanthitha Reddy, BITS Pilani
V Manohra Reddy, BITS Pilani
Aldiya Rane, BITS Pilani
Rajas Joshi, BITS Pilani
Sreevishnu, BITS Pilani
Anil Vedala, BITS Pilani
Poojith Sai Pavan Potluri, BITS Pilani
K Kishore, BITS Pilani
Senita, BITS Pilani
Soungsochitra Toch, MIT, USA

Sarah Ngugi, Nigeria, Ghana
Jenmali, Jimma Town, Ethiopia
Elizabeth Nyabongi Simeon Kikuyu, Kenya
E Kirna Karmi, Kothagudem, Khammam
Mahendra Singh, Moradabad, Uttar Pradesh
Mahesh Kumar Dev, Bhaktapur, Nepal

Fellowship in Oculoplasty
Jaya Vasanthalin J, Chennai, Tamil Nadu
P Sathish Kumar, Chennai, Tamil Nadu

Ophthalmic Nurses
Dorothy Fiodayor (6 months training), Korle bu, Ghana
P Himma Bindu, Hyderabad, Telangana

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Pathak Centre for Eye Care Education, Bhubaneswar Trainees

Retina and Vitreous
Long Term Fellowships (National-24 months; International 15 months)
Rohit Modi, Maharashtra

Short Term Fellowships (3 months)
Bassey Fiebai, Nigeria

SICS Training
Grace Bunyan, Visakhapatnam, Andhra Pradesh
MSS Keerthi, West Godavari, Andhra Pradesh

Comprehensive Ophthalmology
Long Term Fellowships (36 Months)
Abhishek Ranjan, Bihar

Phacoemulsification Training
Archa Prasad, Andhra Pradesh

Observerships
R R Mohanty, Odisha

Internship in Optometry
Rohit Dakal, Nepal

Ophthalmology
Balu Garudadri, Observerships
Raipur, Chattisgarh

Eye Bank Technician (Duration: 3 months)
A Krishnaveni, Hyderabad, Telangana

Eye Bank Technician (Refresher Course)
Benyam Mergia, Nairobi, Kenya

Observerships
Balu Garudadri, Kurnool, Andhra Pradesh

Eye Donation Counselors
Vaihbhavi Waghare, Pune, Maharashtra

SICS Training
Gorrilla Ravi Kumar, Karnataka, Andhra Pradesh

Narmada Barik, Bhubaneswar, Odisha

Eye Bank Observership
Aruna Gupta, Surendranagar, Gujarat

Eye Bank Technician, Trainees
A Kirshnaveni, Hyderabad, Telangana

Eye Bank Technician
Benyam Mergia, Nairobi, Kenya

Sumitra Swain, Rajangpur, Odisha

Narmada Barik, Bhubaneswar, Odisha

Masters in Community Eye Health (MCEH)
(Online courses run in collaboration with University of New South Wales, Australia)

MCEH OPTM7001- Introduction to Community Eye Health
MCEH OPTM7003- Epidemiology of Eye Diseases
Adrian Rosi, Australia
Albert Lee, Australia

MCEH OPTM7007- Research project as a part of MCEH
Muhammad Hafliz, Malaysia
Edith Pola, Zambia

MCEH OPTM7002-Community Health Needs Assessment
Edith Pola, Kitwe, Zambia

MCEH OPTM7004- Advocacy and Education in Community Eye Health
Tzu-Yang Liu, Taiwan

Ramachandra Pararajasegaram Community Eye Health Education Centre

MCEH OPTM7001- Introduction to Community Eye Health
Marie Boshoff, Australia

MCEH OPTM7003- Epidemiology of Eye Diseases
Adrian Rosi, Australia
Albert Lee, Australia

MCEH OPTM7007- Research project as a part of MCEH
Muhammad Hafliz, Malaysia
Edith Pola, Zambia

MCEH OPTM7002-Community Health Needs Assessment
Edith Pola, Kitwe, Zambia

MCEH OPTM7004- Advocacy and Education in Community Eye Health
Tzu-Yang Liu, Taiwan

Ramayamma International Eye Bank, Trainees

MCEH OPTM7001- Introduction to Community Eye Health
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Adrian Rosi, Australia
Albert Lee, Australia

Masters in Community Eye Health (MCEH)
(Online courses run in collaboration with University of New South Wales, Australia)

Eye Bank Technician (Duration: 3 months)
A Kirshnaveni, Hyderabad, Telangana

Eye Bank Technician
Benyam Mergia, Nairobi, Kenya

Sumitra Swain, Rajangpur, Odisha

Narmada Barik, Bhubaneswar, Odisha

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Ramayamma International Eye Bank, Trainees

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MCEH OPTM7003- Epidemiology of Eye Diseases
Adrian Rosi, Australia
Albert Lee, Australia

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(Online courses run in collaboration with University of New South Wales, Australia)

Eye Bank Technician (Duration: 3 months)
A Kirshnaveni, Hyderabad, Telangana

Eye Bank Technician
Benyam Mergia, Nairobi, Kenya

Sumitra Swain, Rajangpur, Odisha

Narmada Barik, Bhubaneswar, Odisha

Masters in Community Eye Health (MCEH)
(Online courses run in collaboration with University of New South Wales, Australia)

MCEH OPTM7001- Introduction to Community Eye Health
MCEH OPTM7003- Epidemiology of Eye Diseases
Adrian Rosi, Australia
Albert Lee, Australia

MCEH OPTM7007- Research project as a part of MCEH
Muhammad Hafliz, Malaysia
Edith Pola, Zambia

MCEH OPTM7002-Community Health Needs Assessment
Edith Pola, Kitwe, Zambia

MCEH OPTM7004- Advocacy and Education in Community Eye Health
Tzu-Yang Liu, Taiwan

Ramayamma International Eye Bank, Trainees

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Eye Bank Technician (Duration: 3 months)
A Kirshnaveni, Hyderabad, Telangana

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MCEH OPTM7004- Advocacy and Education in Community Eye Health
Tzu-Yang Liu, Taiwan
MCEH OPTM7005- Eye Health Economics & Sustainability
Henry Tsui, Australia
Marilyn Tan, United Kingdom
Manon Baldasso, Australia
Tzu-Yang Liu, Taiwan
Pei Schier Tan, Malaysia

Diploma in Community Eye Health (6 months)
Ndayambaje Denys, Kigali Health Institute, Rwanda
Khalid Ahmed, Sudan
Narendra Raj Bist, Geta Eye Hospital, Nepal
Sagar Ghimire, Lumbini Eye Institute, Nepal
Ramesh Ghimire, Bharatpur Eye Hospital, Nepal

MCEH OPTM7006- Eye Care Program Management
Jing Ruan, China
Manon Baldasso, Australia
Sungho Joo, South Korea
Pei Schier Tan, Malaysia

Diploma in Eye Health Management (1 year)
Kowsalya Paidi, L V Prasad Eye Institute, Hyderabad, Telangana
Venkata Rao Sadu, L V Prasad Eye Institute, Hyderabad, Telangana

Smita Panda, L V Prasad Eye Institute, Bhubaneswar, Odisha
Prashant Prabhu Lal Naik, Udaygiri Lions Eye Hospital, Udgir, Maharashtra
Ram Sharan, Dr J L Rohatgi Memorial Eye Hospital, Kanpur, Uttar Pradesh

Certificate course in Programme Management and Evaluation (2 weeks)
Suresh More, Udaygiri Lions Eye Hospital, Latur, Maharashtra
Seema Mishra, Khairabad Eye Hospital, Kanpur, Uttar Pradesh

Mahinder Singh, Jawaharlal, Shailendra Tiwari, Rohatgi Eye Hospital, Kanpur, Uttar Pradesh
Atul Kumar, C L Gupta Eye Institute, Moradabad, Uttar Pradesh
Jyothi Arland, AAEH, Bhopal, Madhya Pradesh
Meenakshi Paul, Lions Eye Hospital, Alipurduar, West Bengal
Ravi Gautam, Ripun Jaya Dahal, Bal Bahadur Kshetri, Tilganga Eye Centre, Kathmandu, Nepal

Workshops / Refresher courses / Short term courses

Continuous Professional Development (CPD) program for Vision Technicians
No of Courses / workshops held: 3
Candidates attended: 120

Refresher program of Operating Room Technicians and Nurses
No of Courses / workshops held: 2
Candidates attended: 62

Orientation program for Ophthalmologists Posted at Secondary Centres
No of Courses / workshops held: 2
Candidates attended: 27

Training program for Community Eye Health Field Workers
No of Courses / workshops held: 4
Candidates attended: 53

Refresher course for Patient Counselors in Rural Eye Centres
No of Courses / workshops held: 1
Candidates attended: 30

Annual Report 2014 - 2015
Dr Duc’s LVPEI Experience

The passion with which Dr Hua Anh Duc, a resident of ophthalmology at Ho Chi Minh Eye Hospital - Vietnam, talks about Vitreous and Retina is just so palpable. It is this same passion and thirst to learn more about this subject that brought him to LVPEI Hyderabad inspite all his fears and anxieties about India. “Unfortunately my impression about India was not very positive, which I now feel was so wrong. But I strongly believed that a Clinical Vitreoretinal Fellowship at LVPEI would help me a lot in treating patients more effectively in my country. Moreover, my fellow colleagues will also benefit from my experiences. This motivated me to apply for the 15 months long fellowship.” says Dr Duc.

According to him the best part of the fellowship program is the way it is structured with the right mix of academic classes and real hands-on experience. Dr Duc adds, “The experience that I have gained here by examining patients with macular diseases, uveitis and choroidal neovascular membrane (CNVM) will help me a lot when I go back to my hospital. My seniors back home who had done their fellowship here had told me that it is very stressful with long working hours. But now I feel the long working hours are justified and you discover your true potential in such stressful conditions only.”

An Eventful Journey: Security Guard to Vision Centre Coordinator

Once a security guard at LVPEI, Mahesh Thogari from Kachapur village in Nizamabad district, today works as Vision Centre Coordinator at Sudhakar and Sreekanth Ravi Eye Centre in Markapuram, Prakasam District, Andhra Pradesh. He supervises Vision Technicians in seven Vision Centres located in that administrative cluster. Thanks to Mahesh’s dedicated efforts, there has been a 340% increase in community screening this year compared to last year. He was also showcased as an employee extraordinaire by Dr G N Rao, Founder-Chair, LVPEI.

This eventful journey started in 2010. Noticing his acumen, his seniors encouraged him to undertake the one year long Vision Technician’s course at LVPEI’s Bausch and Lomb School of Optometry (BLSO). He excelled in the years that he worked there, examining patients and educating them about eye care, prescribing spectacles, referring them for cataract surgery if required, and completing all orders for spectacles in time. His hard work earned him a promotion as Vision Centre Coordinator in April 2014. Since then there has been no looking back for Mahesh and he continues to excel.
Eye Research

Professor Brien Holden Eye Research Centre

The various components of the centre are:

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

Almost 26 years ago, research at LVPEI started with major support from Professor Brien Holden of the University of New South Wales, Sydney, Australia, to the Hyderabad Eye Research Foundation (HERF), which is the research arm of this Institute. The Brien Holden Eye Research Centre or BHERC has now bloomed into six rms - namely basic research (including genomics, proteomics, biochemistry, cell and stem cell biology, microbiology), translational research (stem cell therapy, clinical research and trials), vision physics (vision psychophysics, adaptive optics and instrumentation), low vision research (devices, vision enhancement methods, quality of life analysis), public health research and technology and innovation (with a dedicated Innovation Centre called Srujana). Research at HERF is conducted by 20 basic researchers in collaboration with over 40 clinical colleagues, and is spread over the centres at Hyderabad, Bhubaneswar, Visakhapatnam and Vijayawada.
Developments During the Year

Work is steadily progressing under the ‘Centre of Excellence in Translational Research on Eye Diseases’ project supported by the Department of Biotechnology, India. Under this umbrella, our colleagues have been involved in work in the areas of genetic epidemiology, retinopathy of prematurity, retinal disorders, and stem cell research and therapy, including the development and use of patient-specific induced pluripotent cells.

Likewise, the Antonio Champalimaud Foundation of Lisbon, Portugal, which offered us an initial 5-year support to establish the “Champalimaud Translational Centre for Eye Research, or C-TRACER, during 2008-2013, has now extended a Phase-II support for another 5 years (2014-2018). And the Wellcome Trust (UK), which had supported an earlier project of ours (on the use of a biocompatible and biodegradable copolymer scaffold for culturing limbal stem cells), under their “R & D for Affordable Health Care” programme, has now supported a second project on using a modified, reporter-tagged polymer to identify ocular infections. In addition, we have secured a grant from the Medical Research Council (MRC), UK for a collaborative project between us and the University of Sheffield, UK.

Our multidisciplinary clinical research is of international standards and is sponsored by national and international funding agencies and multinational companies from USA and Europe.

Our work in the area of public health is proceeding smoothly through the Gullapalli Pratibha Rao International Centre for the Advancement of Rural Eyecare (GPR-ICARE). Developments here are listed separately in a subsequent section. Research support in the area of public health has come to us from the Seva Foundation, USA, Christoffel Blindenmission, Germany; and the Lions Club International Foundation.

As we plan for the next 25 years, research at the Institute aims to be “relevant, rigorous and cutting edge”, and hopes to become one of the most productive eye research groups in the world. Towards this aim, six initiatives are on the way. These are: Academy for Eye Care Education, Child Sight Institute, Institute for Eye Care for the Elderly, Centre for Ocular Regeneration (CORE), Institute for Eye Cancer, and Centre of Excellence in Eye Banking. Each one of these requires and involves a built-in programme of research.

Of particular importance and excitement is the start of SRUJANA (a Sanskrit term meaning creativity), our centre for innovation. This has come about through a bilateral programme between HERF and groups at the Massachusetts Institute of Technology (MIT), Cambridge, MA, USA. Local college students from different parts of India are invited to the Institute for a week long workshop to start innovating on products that can be made in order to answer some of the felt needs as well as novel ones that can be used effectively. These ideas have converged into a centre of innovation, termed Srujana, a centre that is already up and running. After the workshop, the student innovators engage with the mentors to bring the prototype to fruition.

Support and Recognition

HERF, being recognized as a Scientific and Industrial Research Organization (SIRO) by the Government of India, applies for and receives many competitive research grants from Indian agencies as well as foreign ones. We have a total of 30 such grants being operated across our campuses, totalling an amount of Rs. 9.20 crores for the financial year 2014-15. Notable among these are the grants we have received from the Wellcome Trust, UK; the Champalimaud Foundation of Lisbon, Portugal; the National Institutes of Health, USA and the Grand Challenges of Canada. Collaborative research is also being done with colleagues in Australia, Brazil, Japan, Netherlands, Portugal, Sweden, Tunisia and USA. 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.

Clinical Research

LVPEI’s multidisciplinary clinical research is of international standards and is sponsored by Indian funding agencies and multinational companies from across the world. The group conducts not only intramural clinical research, but also participates in multicentre 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 for translational research, through the establishment of the Champalimaud Translational Centre for Eye Research or C-TRACER. While the first phase of the grant ended in 2013, we have been able to obtain support for the second phase for the 5-year term ending in 2019.

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

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

The Eighth Annual Champalimaud Research Symposium

In the Eighth Annual Champalimaud Research Symposium, held on 1 February 2015, Prof Shigeru Kinoshita of Kyoto University delivered the Champalimaud lecture on “Cutting Edge in Corneal Regenerative Medicine”. In addition, there were invited talks by Prof Sheila MacNeil and Prof Stephen Rimmer, both from the University of Sheffield, UK; Prof Adrian Glasser, University of Houston, Texas, USA; Prof Denise deFreitas, University of Sao Paulo, Brazil and Prof K Vijay Raghavan, DBT, India. Dr Manju Sharma, former Secretary, DBT India, was invited as a special guest to speak on the growth and development of translational research in India through the years. Dr Leonor Beleza, the President of the Champalimaud Foundation, was also present at the symposium.
Hyderabad Eye Research Foundation

Institutional Review Board

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Former Judge, High Court of Madras and Andhra Pradesh
Hyderabad

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Dr Harsha Rao
Ophthalmologist, L V Prasad Eye Institute
Hyderabad

Members
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Director, Laboratory Services
L V Prasad Eye Institute, Hyderabad

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Associate Director and Head of Communications & Corporate Relations
L V Prasad Eye Institute, Hyderabad

Dr Subhabrata Chakrabarti
Associate Director of Research
L V Prasad Eye Institute, Hyderabad

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

Dr B R Shamanna
Senior Public Health Specialist, Indian Institute of Public Health, Hyderabad, and Associate Professor, School of Medical Sciences, University of Hyderabad
Hyderabad

Dr G Sirisha Rao
Gynecologist, 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

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Scientist, Indian Institute of Science
Bengaluru

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Hyderabad

Prof Partha P Majumder
Director, National Institute of Biomedical Genomics
Kalyani

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

Institutional Committee for Stem Cell Research

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Head of Gastroenterology
SIMS Hospital
Chennai

Member Secretary
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Ophthalmologist, L V Prasad Eye Institute
Hyderabad

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Dr Usha Raman
Associate Professor and Head
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Dr G Sirisha Rao
Gynecologist, Fernandez Hospital Pvt Ltd
Hyderabad

Dr Satish Kumar
Centre for Cellular & Molecular Biology
Hyderabad

Dr Indumathi Mariappan
Research Scientist,
L V Prasad Eye Institute, Hyderabad

Dr Mahtab S Bamji
Hon. Scientist, Dangoria Charitable Trust
Hyderabad

Dr Alka Sharma
Joint Director, Department of Biotechnology
New Delhi
Other Developments

Inter-Academy Capacity-Building Workshops on Stem Cells

Based on the initiative of The World Academy of Sciences (TWAS) for the advancement of science in developing countries, African Academy of Sciences (AAS), Nairobi, Kenya; Indian National Science Academy (INSA), New Delhi; Chinese Academy of Sciences (CAS), Beijing and the Academia Brasileira de Ciencias (ABC) Rio de Janeiro, have jointly put together a programme - “Training and Mentoring African Scientists in Stem Cell and Regenerative Medicine”. Two such workshops were held in Nairobi, Kenya, during 10-14 November 2013 and 4-6 August 2014. Based on the deliberations, post this workshop, LVPEI mentored Dr Jafer Kedir Ababora, MD, ophthalmologist, from Jimma, Ethiopia from 1 January 2015 to 10 February 2015. He underwent training in biopsying limbal bits and culturing the limbal epithelial stem cells in the laboratory and also shadowing surgeons who were doing cultivated limbal epithelial transplantation. He also visited a secondary centre at Paloncha and the two associated primary centres.

Eye Opener: College Students Learn about the Research Activities at LVPEI

Eye opener, an initiative by BHERC to expose students to the various scientific research activities taking place in LVPEI and thus motivating them to choose research as a career option, was organized on 1 November 2014. A tour of research facilities and series of lectures were conducted for the 60 participating students from various colleges. Dr Gullapalli N Rao, Founder-Chair, LVPEI inaugurated the event and shared his vision on having world class research for eye care. Other scientists from LVPEI, D Balasubramanian, Virender Sangwan, Chitra Kannabiran, S Shivaji, Shrikant Bharadwaj and Subhabrata Chakrabarti also shared their thoughts with the students. The event which was coordinated by Dr Joveeta Joseph and Dr Inderjeet Kaur, was a great success with students expressing their desire to be part of such events in future too.

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Research Projects

Kallam Anji Reddy Molecular Genetics Laboratory

- Genomics of progression in age-related eye diseases: The Andhra Pradesh Eye Disease Study - III
  Support: Department of Biotechnology, India (Centre of Excellence grant)

- Identification of new genes in primary congenital glaucoma by exome sequencing
  Investigators: Subhrahmanya Chakrabarti, Meha Kabra, Chandan S Appikonda, Anil K Mandal, Sirisha Senthil, Inderjeet Kaur, Michael Hauser, Rand Allingham
  Support: Indo-Australia Biotechnology Fund, Department of Biotechnology, India; National Eye Institute, NIH, USA

- Functional genomics of primary open angle glaucoma
  Investigators: Subhrahmanya Chakrabarti, Meha Kabra, Chandan S Appikonda, Harsha BL Rao, Garudadri Chandra Sekhar, Uday Kumar Adepalli, Inderjeet Kaur, Rohit C Khanna
  Support: Department of Biotechnology, India

- Role of micro RNA (miRNA) in response to prostaglandin therapy in glaucoma
  Investigators: Subhrahmanya Chakrabarti, Ratnakar Tripathi, Chandan S Appikonda, Harsha BL Rao, Garudadri Chandra Sekhar, Uday Kumar Adepalli, Inderjeet Kaur, Rohit C Khanna
  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 Murthy2, Ramesha Kekunaya, Sonika Rathi, Shahanah, Hameed, Subhrahmanya Chakrabarti, Ch Mohan Rao3
  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 Das1, Swathi Kaliki, Mhd Javed Ali, Subhrahmanya Chakrabarti, Partha P Majumder1
  Support: National Institute of Biomedical Genomics, Kalyani, India

- Genetics of familial exudative vitreoretinopathy
  Support: Department of Biotechnology, India

- Identification of biomarkers in diabetic retinopathy
  Investigators: Inderjeet Kaur, Syed Hameed, S Sahana, Sushma, Jay Chhabiani, Annie Mathai, Rajeev R Pappuru, Mudit Tyagi, Partha P Majumder, Subhrahmanya Chakrabarti
  Support: Department of Biotechnology, India

- Biochemistry Laboratory

  - Analysis of the molecular properties of mutant human βγ-crystallins associated with congenital cataract
    Investigators: D Balasubramanian, Venkata Pullaro Vendra, 1Garima Agarwal, 2Narayanaswamy Srinivasan, Sushil Chandani3, VenuTalla4
    Support: Department of Biotechnology, India

  - Structural integrity of the greek key supersecondary topology in the βγ-crystallins is vital for central lens transparency
    Investigators: Venkata Pulla Rao Vendra, Garima Agarwal1, Sushil Chandani1

- Genetic and phenotypic comparison of primary congenital glaucoma in India and Brazil
  Investigators: Subhrahmanya Chakrabarti, Anil K Mandal, Meha Kabra, Sarita Senthil, Inderjeet Kaur, Ivan M Tavares1, Jose P C Vasconcellos2, Monica Mello2
  Support: Department of Science and Technology, India (India-Brazil collaborative program)

- Central India Eye and Medical Diseases Study
  Investigators: Subhrahmanya Chakrabarti, Jonas Jost3, Vinay Nangaia, 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: Subhrahmanya Chakrabarti, Anil K Mandal, Meha Kabra, Inderjeet Kaur, Guemira Fethi6, E A Mhd Ali6, Douik Hayet6, G Abderraouf7, Harzallah Latifa6, Jihene Bouassida7
  Support: Department of Science and Technology, India (Indo-Tunisian collaborative program)

- Genomics and proteomics of meibomian gland dysfunction
  Investigators: Subhrahmanya Chakrabarti, Ling Lee, Pravin Krishna Vadavalli, Qian Garrett, Eric Papas
  Support: Brien Holden Vision Institute, Sydney

- Genetics of Lebers Congenital Amaurosis (LCA)
  Investigators: Chitra Kannabiran, Rachna Shukla, Subhadra Jalali
  Support: Champalimau Foundation, Portugal, Department of Biotechnology, Govt of India

- Identification of genes causing autosomal recessive retinitis pigmentosa
  Investigators: Chitra Kannabiran, Sushma Mudigonda, Almas Shamalia, Subhadra Jalali
  Support: Champalimau Foundation, Portugal, Department of Biotechnology, Govt of India

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    Support: Department of Biotechnology, India

  - Structural integrity of the greek key supersecondary topology in the βγ-crystallins is vital for central lens transparency
    Investigators: Venkata Pulla Rao Vendra, Garima Agarwal1, Sushil Chandani1
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 MacNeill, Indumathi Mariappan, Charanya Ramachandran
  Support: Wellcome Trust, United Kingdom

- Regenerative prostheses as alternative to donor corneas for transplantation to treat blindness.
  Investigators: Virender S Sangwan, May Griffith, Dorairajan Balasubramanian, Sayan Basu, Indumathi Mariappan, Per Fagerholm, Jaywant Phopase, Urban Högblom, Jagruti "Lal" Dave.
  Support: DBT-Indo-Swedish grant.

- Exploring the application of pluripotent and adult stem cells in the treatment of retinal and corneal disorders.
  Investigators: Indumathi Mariappan, Subhadra Jalali, Virender S Sangwan, Dorairajan Balasubramanian.
  Support: DBT-CoE

- Proof-of-concept experimentation on gene correction in patient-specific induced pluripotent stem cells by genome editing approach.
  Investigators: Indumathi Mariappan, Chitra Kannabiran, Dorairajan Balasubramanian.
  Support: DST-SERB

- Generating corneal endothelium from the trabecular meshwork stem cells.
  Investigators: Charanya Ramachandran, D Balasubramanian, Virender S. Sangwan
  Support: Department of Science and Technology, India

- Optimum concentration of mitomycin C to prevent fibrosis in Dacryocystorhinostomy.
  Investigators: Charanya Ramachandran, Javed Ali, Vinay Kumar
  Support: Hyderabad Eye Research Foundation

- Use of silk from north-east India for the culture and transplantation of corneal endothelium.
  Investigators: Charanya Ramachandran, Biman Mandal (IIT-G)
  Support: Department of Science & Technology, (DST-NSPIRE) India

- Role of myofibroblast/stem cells in corneal wound healing responses: Identifying and characterizing growth factor-receptor systems and herbal/stem cells treatments during development, homeostasis, and corneal wound healing.
  Investigators: Vivek Singh, Abhinav Reddy Kethiri, Meda Chandana Lakshmi Teja, Virender Sangwan
  Support: DST-SERB, India.

- The alteration of immunological/adhesion properties of in vitro limbal explant culture: Implication on survival of limbal explant in patients with LSCD.
  Investigators: Abhinav Reddy Kethiri, Vivek Singh, Virender Sangwan
  Support: Hyderabad Eye Research Foundation

- Targeted specific immunological and stemness pathways of the human limbus from the cadaveric corneas vs. fresh limbal biopsies vs. cultured limbal explants.
  Investigators: Meda Chandana Lakshmi Teja, Vivek Singh, Sachin Shukla, Sayan Basu, Virender Sangwan
  Support: Hyderabad Eye Research Foundation.

- The Biology of Simple limbal epithelial transplantation (SLET), a technique of in-vivo expansion of limbal stem cell for treatment of Limbal stem cell deficiency (LSCD).
  Investigators: Vivek Singh, Gopal Pande (CCMB), Sayan Basu, Virender Sangwan
  Support: Hyderabad Eye Research Foundation

- Autologous Ex-vivo Cultivated Limbal Stem Cell Transplantation for Treatment of Superficial Corneal Stromal Scars: A Pilot Study.
  Investigators: Sayan Basu, Vivek Singh, Virender Sangwan
  Support: Hyderabad Eye Research Foundation

- Use of lenticule caps in cross linking of thin corneas: A Pilot Study.
  Investigators: Pravin Krishna, C. Jagadeesh Reddy, Vivek Singh, Shreyas Ramamurthy
  Support: Hyderabad Eye Researcha Foundation

- Mesenchymal Stem Cells for Limbal Stem Cell Deficiency and Vernal Keratoconjunctivitis: Identifying the mechanism of homing and immunomodulation of mesenchymal stem cells from corneal stroma, dental pulp, hair follicle, and umbilical cord.
  Investigators: Sachin Shukla, Virender Sangwan
  Support: Department of Science & Technology, (DST-NSPIRE) India

Vision Psychophysics Laboratories

- The accommodative performance of the uniconular visual system.
  Investigators: Shrikant R Bharadwaj, Geeta Srawar
  Support: 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

- Impact of refractive surgery for myopia on sensory visual performance.
  Investigators: Shrikant Bharadwaj, Samrat Sarkar and Pravin Krishna Vaddavalli
  Support: Zeiss Meditec

- Benefits of corneal transplantation in unilateral vision impairment.
  Investigators: Shrikant Bharadwaj, Praveen Kumar Bandela, Prem Nandhini Satgunam and Prashant Garg
  Support: Hyderabad Eye Research Foundation

- Impact of higher order aberrations on stereo acuity in keratoconic eyes.
  Investigators: Shrikant Bharadwaj, Nilagiri Vinay Kumar and Parthasarathi Kalaiselvan
  Support: Ramalingaswami Fellowship, Department of Biotechnology

- Efficacy of video game playing as a treatment for amblyopia.
  Investigators: L Srivinasa Varadharajan, Preeti Patil Chabblani
  Support: Hyderabad Eye Research Foundation

- Effectiveness of conventional and novel treatments for amblyopia: Testing the evidence base.
  Investigators: L Srivinasa Varadharajan, Preeti Patil Chabblani, Catherine Suttle*, Catherine Stewart*
  Support: Hyderabad Eye Research Foundation

- Effect of auditory feedback on perceptual learning.
  Investigators: L Srivinasa Varadharajan, Vaishihaa Gunalan
  Support: Hyderabad Eye Research Foundation

Jhaveri Microbiology Laboratory, LVPEI-KAR Campus, Hyderabad

- Molecular Characterization and pathogenesis of Candida species isolated from eye infections.
  Investigators: Savitri Sharma, Joveeta Joseph, Kanchana Chatoth
  Support: Hyderabad Eye Research Foundation

  Investigators: Shilajit S, Savitri Sharma, Kanchana Chatoth, Ranjit Kondur
  Support: Hyderabad Eye Research Foundation

- Evaluation of the Clinical Impact of Molecular Diagnosis of Infective Endophthalmitis – HERF.
  Investigators: Joveeta Joseph, Savitri Sharma, Khemlal
  Support: Hyderabad Eye Research Foundation

- Species-specific antifungal susceptibility of Fusarium and its correlation with treatment outcome in patients with keratitis.
  Investigators: Savitri Sharma, Kanchana Chatoth, Khemlal
  Support: Hyderabad Eye Research Foundation

- Asia Cornea Society Infectious Keratitis (ACSIKS) Study.
  Investigators: Prashant Garg, Savitri Sharma
  Support: Asia Cornea Society, Singapore
• The human eye surface microbiome: an insight into eye infections
  Investigators: Shivaji S, Savitri Sharma, Joveeta Joseph, Prashant Garg, Anni Mathai, Somashelia Murthy
  Support: Hyderabad Eye Research Foundation

• Epidemiology and clinic-microbiological profile of microbial keratitis caused by Pythium insidiosum
  Investigators: Savitri Sharma, Rashmi Mittal, Prashant Garg, Savitri Sharma, Khemal
  Support: Hyderabad Eye Research Foundation

• Molecular characterization of nonsporulating filamentous fungi isolated from microbial keratitis
  Investigators: Savitri Sharma, S Shivaji, Manjulatha K
  Support: Hyderabad Eye Research Foundation

• Development of a Rapid System for Diagnosing Corneal Infections

Ophthalmic Biophysics and Mechanobiology Laboratory

Finite element modeling of the cornea and penetrating keratoplasty

Support: Hyderabad Eye Research Foundation

Automated algorithm for blood vessel count and area measurement in 2-D choroidal scan images

Investigators: Ashutosh Richhariya, Sumohana Chanappaya2, Jay Chhablani
Support: Hyderabad Eye Research Foundation

Infra-red Imaging System for Dry Eye and Ocular Surface examination

Investigators: Ashutosh Richhariya, Sumohana Chanappaya2, Siva Vanjari, Mukesh Taneja
Support: Hyderabad Eye Research Foundation

Three dimensional imaging and reconstruction of facial and orbital region

Investigators: Ashutosh Richhariya, Soumya Jana2, Milind Naik
Support: Hyderabad Eye Research Foundation

Vision Rehabilitation Laboratory

• Evaluation of image enhancement as a vision rehabilitation tool
  Investigators: PremNandhini Satgunam, Rebecca Sumalini
  Support: Hyderabad Eye Research Foundation, DST-Fast Track grant

• Validation of mechanized tangent screen kinetic perimeter for mapping visual fields
  Investigators: PremNandhini Satgunam, Ashutosh Richhariya, SouravDatta
  Support: Hyderabad Eye Research Foundation

• Development of Pediatric Perimeter
  Investigators: PremNandhini Satgunam, SouravDatta, Dhruv Joshi, Karthik Reddy
  Support: Srujana Innovation Center, Hyderabad Eye Research Foundation

Patient Reported Outcomes Research

1. Glaucoma
   Support: Hyderabad Eye Research Foundation

2. Keratoconus
   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

using pathogen Responsive Polymers

Investigators: Prashant Garg, Sanhita Roy, Nagaveni Shivshetty
Support: Welcome Trust-DBT

Role of Antimicrobial Peptides in Pseudomonas keratitis – A Translational Approach from Bench to Patients

Investigators: Sanhita Roy, Guru Vaidu
Support: Department of Science and Technology, India

Determination of Pathogenicity and Innate Immune Responses during Corynebacterium keratitis

Investigators: Sanhita Roy, Guru Vaidu
Support: Department of Science and Technology, India

Restoring Accommodation/Accommodating Gel Project

Investigators: Virender S Sangwan, Mukesh Taneja, Pravin K Vaddavalli, Ashik Mohamed, Veerendranath Pesala, Arthur Ho, Jean-Marie Parel
Support: Vision Cooperative Research Centre, Sydney, Australia

Fiber Cell Junctions in Normal and Cataractous Lenses

Investigators: Ashik Mohamed, D Balasubramanian, M Joseph Costello
Support: National Institutes of Health (NIH)/ National Eye Institute

The effect of age on human natural lens function and properties

Investigators: Ashik Mohamed, Virender S Sangwan, Robert C Augustyn
Support: Hyderabad Eye Research Foundation

Optics of the Growing Crystalline Lens

Investigators: Virender S Sangwan, Mukesh Taneja, Ashik Mohamed, Arthur Ho, Jean-Marie Parel, Fabrice Manns
Support: NIH/ National Eye Institute

Towards a true restoration of accommodation

Investigators: Virender S Sangwan, Mukesh Taneja, Ashik Mohamed, Jean-Marie Parel, Susana Marcos
Support: Consejo Superior de Investigaciones Científicas (CSIC), Spain

Development of Hindi optotype charts

Investigators: Lea Hyvarinen, PremNandhini Satgunam, L. Srinivasar Varadarajan, SouravDatta, SankaraNethralaya (collaborators: Krishna Kumar Ramani, DeepmalaMazumdar, Anuradha Siriam
Support: Good-Lite Co., 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

Investigators: Vijaya K Gothwal, Seelam Bharani, Ramesh Kekunnaya, Niranjnan Pehere, Virender Sachdeva, Asa Narasaiah, Rekha Gunthu
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, Niranjnan Pehere, Virender Sachdeva, Asa Narasaiah, Rekha Gunthu
Support: Hyderabad Eye Research Foundation

7. Diabetic Retinopathy

Investigators: Vijaya K Gothwal, Seelam Bharani, Divya Balakrishnan, Annie Mathai, Aijit Babu Majji, Jay Chhablani, 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, Somashelia Murthy, Anil K Mandal, Virender Sangwan, Mukesh Taneja, Bhupesh Bagga, Jagadesh 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, Subhadra Jalali, Ramesh Keekukunya, 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, Sergei Resnikoff
    Support: Vision CRC, Sydney, Australia.

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**Basic Science Research, LVPEI Bhubaneswar**

- **Targeting MYCN in Retinoblastoma**
  - Investigators: Mamatha Reddy
  - Support: Department of Biotechnology, India

- **Diagnostic potential of loop mediated isothermal amplification (LAMP) versus real-time PCR for ocular tuberculosis**
  - Investigators: Soumyava Basu
  - Support: Dept. of Science and Technology, India

**Research Scholars**

**BASIC RESEARCH**

Kallam Anji Reddy Molecular Genetics Laboratory
Rachna Shukla, M Ganeshwara Rao, Sonika Rath, Meha Kabra, Almas Shamaila, S. Shaha, Syed Hameed, M V Sushma, Chandan S Appikonda, Satish Patnaik, Sushma

Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory
Shubha Tiwari, Savitri Maddi, Praveen Joseph, Vinay Kumar, Bhuvaneswari G. Ashinav Reddy, Nanda Sivasankar, Shruti Bandopadhyay, Meda Chandana Teja

Research Biochemistry Laboratory
Venkata Pulla Rao, Srinivasu K, Ismail Khan

Jhaveri Microbiology Centre, KAR campus
Praveen Kumar Balne, Ranjith K, Kanchana N C, Guru Vaidu, D C Praneetha

LVPEI, Bhubaneswar
Manas Ranjan Barik, Swathi Sreedhivamshali

Post-doctoral Research Associates
Sachin Shukla, Ratnakar Tripathi, Nagaveni Shivshetty, Ismail Khan, Vinay Tripathi

**CLINICAL RESEARCH**

Kallam Anji Reddy Campus
Manager Operations: Sridevi Rayasam

Study Optometrists: Ms Bidula Das
Data Entry Operators: Rupasree Edelly, E. Shoba Laxmi.

Bhubaneswar Campus
Study Optometrists: Krushna Gopal Panda, Debasis Mohapatra
Clinical Research Coordinators: Bibhutadatta Mohanty (Excel Life Sciences), Preethi Semwot
Support Staff: Susant Kumar Sahoo

Optometrists Involved in Research
Praveen Bandela, Vinay Kumar, Swathi Balaji, Veerendaranath Pesala
Sourav Dutta, Vaishali Gunalan, Divya Jagadish, Unnisa Begum
Samrat Sarkar, Geetha Sravani, Deepak Bagga, Uday Kumar Addepalli
Ganesh babu Jonnadula, Seelam Bharani, Rebecca Sumalini

---

1. Centre for Eye Research Australia, Melbourne, Australia
2. University of New South Wales, Sydney, Australia
3. Institute of Life Sciences, Bhubaneswar
### Basic Research Projects

#### KAR Campus

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Title of the Project</th>
<th>Funding Agency</th>
<th>Principle Investigator</th>
<th>Grant period</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>To develop a rapid detection system for indentifying pathogens in the eye</td>
<td>Wellcome Trust</td>
<td>Dr Prashant Garg</td>
<td>2013-2016</td>
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<td>2</td>
<td>C-Tracer</td>
<td>Champalimaud Foundation</td>
<td>Prof D Balasubramanian/ Dr Inderjeet Kaur/ Dr Indumathi Mariappan</td>
<td>2013-2017</td>
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<tr>
<td>3</td>
<td>Molecular epidemiology and Genomics complex and inherited eye diseases</td>
<td>Department of Biotechnology</td>
<td>Dr Subhabrata Chakrabarti</td>
<td>2013-2016</td>
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<tr>
<td>4</td>
<td>Understanding the molecular basis of glaucomas</td>
<td>Department of Biotechnology</td>
<td>Dr Subhabrata Chakrabarti</td>
<td>2013-2016</td>
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<tr>
<td>5</td>
<td>Genetic epidemiology of ocular diseases: The Central India Eye and Medical Study</td>
<td>University of Heidelberg</td>
<td>Dr Subhabrata Chakrabarti</td>
<td>2012-2019</td>
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<tr>
<td>6</td>
<td>Gene discovery in primary congenital glaucoma</td>
<td>National Eye Institute, NIH</td>
<td>Dr Subhabrata Chakrabarti</td>
<td>2013-2016</td>
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<tr>
<td>7</td>
<td>Genetic Analysis of Retinal Dystrophies</td>
<td>Department of Biotechnology</td>
<td>Dr Chitra Kannabiran</td>
<td>2013-2018</td>
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<tr>
<td>8</td>
<td>Identification of biomarkers for risk prediction and disease progression in diabetic retinopathy</td>
<td>Department of Biotechnology</td>
<td>Dr Inderjeet Kaur</td>
<td>2013-2018</td>
</tr>
<tr>
<td>9</td>
<td>Identification of biomarkers for retinopathy of prematurity</td>
<td>Department of Biotechnology</td>
<td>Dr Inderjeet Kaur</td>
<td>2012-2015</td>
</tr>
<tr>
<td>10</td>
<td>Exploring the application of pluripotent and adult cells in the treatment of retinal and corneal disorders</td>
<td>Department of Biotechnology</td>
<td>Dr Indumathi Mariappan</td>
<td>2013-2018</td>
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<tr>
<td>11</td>
<td>Regenerative Protheses as Alternative to Donor Corneas for Transplantation to Treat Blindness</td>
<td>Department of Biotechnology</td>
<td>Dr Virender Sangwan</td>
<td>2013-2016</td>
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<tr>
<td>12</td>
<td>Generating corneal endothelium from the trabecular meshwork stem cells</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Charanya Ramachandran</td>
<td>2013-2016</td>
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<tr>
<td>13</td>
<td>To study the role of myofibroblast/stem cells in corneal wound healing response: identifying and characterizing growth factor-receptor systems and herbal/stem cells treatments during development, homeostasis, and corneal wound healing” submitted under Start Up Research Grant(Young Scientists)</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Vivek Singh</td>
<td>2014-2017</td>
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<tr>
<td>14</td>
<td>Image enhancement technology for children with vision impairment an evaluation</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Premnandhini Satgunam</td>
<td>2014-2017</td>
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<tr>
<td>15</td>
<td>Role of antimicrobial peptides in pseudomones keratities: A translational approach from bench to patients</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Sanhita Roy</td>
<td>2014-2017</td>
</tr>
<tr>
<td>16</td>
<td>Utilizing the eye’s optics to improve and predict vision of elderly humans</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Shrikant Bharadwaj</td>
<td>2014-2017</td>
</tr>
<tr>
<td>17</td>
<td>Mesenchymal Stem Cells for Limbal Stem Cell Deficiency and Vernal Keratoconjunctivitis: Identifying the mechanism of homing and immunomodulation of mesenchymal stem cells from corneal stroma, dental pulp, hair follicle, and umbilical cord</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Sachin Shukla</td>
<td>2014-2019</td>
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<tr>
<td>18</td>
<td>UK-India Centre for Advanced Technology for Minimising the indiscriminate use of Antibiotics (UKICAT-MA)</td>
<td>Department of Biotechnology</td>
<td>Dr Prashant Garg</td>
<td>2015-2018</td>
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<tr>
<td>19</td>
<td>Proof-of-concept experimentation on gene correction in iPSCs and creating disease models of zebra fish by genome editing methods</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Indumathi Mariappan</td>
<td>2015-2018</td>
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<tr>
<td>20</td>
<td>Perceptual consequences of degraded optics in Human vision</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Shrikant Bharadwaj</td>
<td>2015-2018</td>
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<td>21</td>
<td>Role of Vitero-macular interface changes in the pathogenesis of AMD</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Jay Chhablani</td>
<td>2015-2018</td>
</tr>
</tbody>
</table>

#### Bhubaneswar Campus

<table>
<thead>
<tr>
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<tr>
<td>1</td>
<td>Diagnostic Potential of loop mediated isothermal amplification (LAMP) versus real time PCR for ocular tuberculosis</td>
<td>Department of Science &amp; Technology</td>
<td>Dr Soumyava Basu</td>
<td>2012-2015</td>
</tr>
<tr>
<td>2</td>
<td>Immuno-pathogenesis of ocular tuberculosis</td>
<td>Department of Biotechnology</td>
<td>Dr Soumyava Basu</td>
<td>2013-2016</td>
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<tr>
<td>3</td>
<td>Effect of Ultraviolet-A/Riboflavin Corneal Collagen Cross linking on the virulence factor of fungi</td>
<td>Department of Biotechnology</td>
<td>Dr Sujata Das</td>
<td>2013-2015</td>
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<td>4</td>
<td>Targeting MYCN in Retinoblastoma</td>
<td>Department of Biotechnology</td>
<td>Dr Mamatha Reddy</td>
<td>2014-2017</td>
</tr>
</tbody>
</table>
# Clinical Research

**KAR Campus**

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name of the Project</th>
<th>Principal Investigator</th>
<th>Supported by</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>A Phase III, Multinational, Multicenter, Randomized, Double-Masked, Study Assessing the Safety and Efficacy of Intravitreal injections of DE-109 (three doses) for the Treatment of active, Non-Infectious Uveitis of the Posterior Segment of the eye.</td>
<td>Dr Somasheela Murthy</td>
<td>Excel Life Sciences</td>
<td>2011 - 2016</td>
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<tr>
<td>2</td>
<td>To determine the precision, accuracy and repeatability of Netra-G in determining the myopic and astigmatic refractive error in large population of India.</td>
<td>Dr Srikanth Bharadwaj</td>
<td>Shanir Management</td>
<td>2014</td>
</tr>
<tr>
<td>3</td>
<td>A Clinical study to verify the performance of Macular segmentation Algorithm in normal subjects and in subjects with retinal diseases including but not limited to Age related Macular Degeneration , Diabetic Retinopathy and Vitreo retinal diseases.</td>
<td>Dr Rajeev Reddy</td>
<td>Carl Zeiss</td>
<td>2014 - 2015</td>
</tr>
<tr>
<td>4</td>
<td>A comparative study to assess the Retinal Nerve Fibre Layer thickness and optic nerve head thickness measurements of the cirrus model 4000 and primus 200</td>
<td>Dr Harsha</td>
<td>Carl Zeiss</td>
<td>2014 - 2015</td>
</tr>
<tr>
<td>5</td>
<td>A prospective comparative clinical study to evaluate the effectiveness of diabetic retinopathy screening model by remote image reading and reference standard screening in detecting diabetic retinopathy</td>
<td>Dr Rajeev Reddy</td>
<td>Carl Zeiss</td>
<td>2015</td>
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<tr>
<td>6</td>
<td>Study to observe the effectiveness and safety of LUCENTIS® through individualized patient treatment and associated outcomes</td>
<td>Dr Raja Narayanan</td>
<td>Novartis</td>
<td>2012 - 2017</td>
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<tr>
<td>7</td>
<td>Prospective, controlled, open label, bilateral, 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</td>
<td>Dr Varsha</td>
<td>vision crc</td>
<td>2012 - 2014</td>
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<tr>
<td>8</td>
<td>UNraveling nAMD real life Clinical management and Outcome with intraVitreal Ranibizumab injection – A retrospective analysis.</td>
<td>Dr Mudit Tyagi</td>
<td>Novartis</td>
<td>2013 - 2014</td>
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<tr>
<td>9</td>
<td>Biomarkers of Diabetic Retinopathy Progression</td>
<td>Dr Rajeev Reddy</td>
<td>ABILI 4C</td>
<td>2012 - 2016</td>
</tr>
<tr>
<td>10</td>
<td>A Phase III, Multi-National, Multi-Center, Randomized, Masked, Controlled, Safety and Efficacy Study of a Fluocinolone Acetonide Intravitreal (FAI) Insert in Subjects with Chronic Non-Infectious Uveitis Affecting the Posterior Segment of the Eye.</td>
<td>Dr Annie Mathai</td>
<td>Excel Life Sciences</td>
<td>2012 - 2017</td>
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<td>11</td>
<td>Clinical Efficacy of Intravitreal administration of Bevacizumab Combined with navigated Laser treatment in patients with Clinically Significant Macular Edema(CSME).</td>
<td>Dr Jay Chabblani</td>
<td>OD- OS</td>
<td>2012- 2016</td>
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<td>12</td>
<td>A 12-month, phase III, randomized, double-masked, multicenter, active-controlled study to evaluate the efficacy and safety of two individualized regimens of 0.5 mg ranibizumab vs. vertoporfin PDT in patients with visual impairment due to choroidal neovascularization secondary to pathologic myopia (Brilliance)</td>
<td>Dr Raja Narayanan</td>
<td>Novartis</td>
<td>2015 - 2016</td>
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<tr>
<td>13</td>
<td>A prospective, single centre, open label, feasibility clinical evaluation of Epivision microkeratome with Nanotome head in correcting refractive errors II</td>
<td>Dr Pravin Krishna</td>
<td>Gebauer</td>
<td>2014 - 2016</td>
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<tr>
<td>S. No</td>
<td>Name of the Project</td>
<td>Principal Investigator</td>
<td>Supported by</td>
<td>Duration</td>
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<tr>
<td>1</td>
<td>Randomized control trial comparing topical tacrolimus ointment with topical cyclosporine drops for moderate and severe vernal keratoconjunctivitis</td>
<td>Dr Merle Fernandes, Dr I S Murthy</td>
<td>BHERC</td>
<td>2013 - 2015</td>
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<tr>
<td>2</td>
<td>A proof of concept, randomized, Multicenter, double masked study to evaluate the clinical efficacy and safety of FST-100 ophthalmic suspension in the treatment of Acute Adenoviral Conjunctivitis</td>
<td>Dr I S Murthy, Dr Merle Fernandes</td>
<td>Foresight Biotherapeutics/Ora, Inc, USA.</td>
<td>2012 - 2014</td>
</tr>
<tr>
<td>3</td>
<td>Combined Occlusion and Atropine Therapy for refractory/residual amblyopia</td>
<td>Dr Virender Sachdeva, Mrs Rekha Gunturu, Dr Abhishek Bawdekar, Dr Ramesh Kekunnaya</td>
<td>BHERC</td>
<td>2011 - 2014</td>
</tr>
<tr>
<td>4</td>
<td>Hyperhomocysteinemia survival analysis</td>
<td>Dr Virender Sachdeva, Dr Avinash Pathangey, Dr Ramesh Kekunnaya, Dr Merle Fernandes, Dr Virender Sachdeva</td>
<td>BHERC</td>
<td>2013 - 2016</td>
</tr>
<tr>
<td>5</td>
<td>Incidence of visual axis opacification in children 6-10 years undergoing cataract extraction (lens aspiration with PCIOL) with or without PPC+AV or Yag capsulotomy</td>
<td>Dr Virender Sachdeva, Dr Ramesh Kekunnaya, Dr Preeti Patil Chhablani</td>
<td>BHERC</td>
<td>2012 - 2014</td>
</tr>
<tr>
<td>6</td>
<td>Choroidal thickness in children with Amblyopia</td>
<td>Dr Jay Chabblani, Dr Virender Sachdeva, Dr Preeti Patil Chhablani, Ramesh Kekunnaya</td>
<td>BHERC</td>
<td>2014 - 2016</td>
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<tr>
<td>7</td>
<td>Epidemiology and clinical features of limbal stem cell deficiency</td>
<td>Dr Jayesh Vazirani, Dr Shiva Kumar Wuirty, Dr Ikeda Lal</td>
<td>BHERC</td>
<td>2015 - 2016</td>
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<td>8</td>
<td>Retrospective analysis of cases of Mooren’s ulcer.</td>
<td>Dr Jayesh Vazirani, Dr Shiva Kumar Wuirty, Dr Ikeda Lal</td>
<td>BHERC</td>
<td>2015 - 2016</td>
</tr>
<tr>
<td>9</td>
<td>Retrospective analysis of cases of Pseudomonas keratitis.</td>
<td>Dr Jayesh Vazirani, Dr Shiva Kumar Wuirty, Dr Ikeda Lal</td>
<td>BHERC</td>
<td>2015 - 2016</td>
</tr>
<tr>
<td>10</td>
<td>External Revision of Failed Primary External Dacryocystorhinostomy: A retrospective analysis of the causes of failure and outcomes of revision surgery at tertiary eye care centre</td>
<td>Samir Mahapatra, Ansuya Ganguly, Suryaswath Rath</td>
<td>BHERC</td>
<td>2015 - 2016</td>
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<td>S. No</td>
<td>Name of the Project</td>
<td>Principle Investigator</td>
<td>Supported by</td>
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<tr>
<td>1</td>
<td>A Phase III, Multinational, Multicenter, Randomized, Double-Masked, Study Assessing the Safety and Efficacy of Intravitreal Injections of DE-109 (three doses) for the Treatment of active, Non-Infectious Uveitis of the eye</td>
<td>Soumyava Basu</td>
<td>Santen Incorporated</td>
<td>2011 - 2016</td>
</tr>
<tr>
<td>2</td>
<td>Biomarkers of Diabetic Retinopathy Progression (C-Tracer)</td>
<td>Rajeev Reddy, Co-I: Tapas Ranjan Pati, Soumyava Basu, Umesh Chandra Behera</td>
<td>Champalimaud Foundation (Grant)</td>
<td>2013 - 2017</td>
</tr>
<tr>
<td>3</td>
<td>LUMINOUS: Study to observe the effectiveness and safety of LUCEPTIS® through individualized patient treatment and associated outcomes</td>
<td>Taraprasad Das</td>
<td>Novartis</td>
<td>2012 - 2017</td>
</tr>
<tr>
<td>4</td>
<td>A Multicentre, Randomized, Double-Masked, 3 Parallel Arms, Placebo Controlled Study to Assess the efficacy and Safety of NOVA22007 1MG/ML (Cyclosporin/Cyclosporine) Eye drops, Emulsion Administered in Paediatric patients with active severe Vernal Keratoconjunctivitis with Severe Keratitis.</td>
<td>Srikant Kumar Sahu</td>
<td>Novagali Pharma</td>
<td>2014 - 2016</td>
</tr>
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<td>5</td>
<td>A randomized double-masked, phase III study assessing ranibizumab Intravitreal injections versus sham control in patients with visual impairment due to macular edema (ME) secondary to central retinal vein occlusion (CRVO) [Camellia]</td>
<td>Umesh Chandra Behera</td>
<td>Novartis</td>
<td>2014 - 2016</td>
</tr>
<tr>
<td>6</td>
<td>A 12-month, phase III, randomized, double-masked, multicenter, active-controlled study to evaluate the efficacy and safety of two individualized regimens of 0.5 mg ranibizumab vs. verteporfin PDT in patients with visual impairment due to choroidal neovascularization secondary to pathologic myopia (Brilliance)</td>
<td>Umesh Chandra Behera</td>
<td>Novartis</td>
<td>2014 - 2016</td>
</tr>
<tr>
<td>7</td>
<td>A Phase III, Multi-National, Multi-Center, Randomized, Masked, Controlled, Safety and Efficacy Study of a Fluocinolone Acetonide Intravitreal (FAI) Insert in Subjects with Chronic Non-Infectious Uveitis Affecting the Posterior Segment of the Eye.</td>
<td>Soumyava Basu</td>
<td>pSivida Corp</td>
<td>2015 - 2018</td>
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44. PubMed PMID: 24663249.

idiopathic macular hole. Eur J Ophthalmol. 2014 May-Jun; 24(3):382-


Behera UC, Modi RR. Choroidal ingrowth of a large choroidal vessel after scatter retinal photocoagulation. Oman J Ophthalmol.2015-
3(PubMed- PMID: 25183460.


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Mahajan NR, Donapati RC, Channappayya SS, Vanjari S, Richhariya A, Chhablani J. An automated algorithm for blood vessel count and...


Text Book Chapters


Presentations

Uday Kumar Addepalli
National
- 6th National CME on Eye Banking, Optometry seminar, Eye Bank Association of India, Hyderabad, 26 September 2014; Invited speaker: Glaucoma detection - Role of Optometrist.

Mohammad Javed Ali
International
- CME, Muscat, Al Nadha Hospital, 2014; Presentation: What’s new in Dacryology

National
- CMRI CME, Kolatka, February 2015; Presentation: Recent Advances in lacrimal disorders.
- MAA FESS Conference, Hyderabad, February 2015; Presentation: Nuances of Endoscopic lacrimal approaches.
- AOI, Hyderabad, 2015; Presentation: Research Advances in Dacryology.
- APSOPRS, Delhi, September 2014; Paper presentations: 1) Quantification methods of Biofilms on NLD stents. 2) Evaluation of an Ostium and DOS scoring system. 3) Effects of CPAP on post-DCR patients. 4) DCR Ostium granulomas – How to manage?
- EYEPEF, Hyderabad, 2014; Presentation: Pediatric lacrimal disorders.

D Balasubramanian
International
- Association for Research in Vision and Ophthalmology (ARVO), Annual Meeting, Orlando, USA 4-8 May 2014; Presentation: Role of the Greek key motifs in Beta-Gamma crystallins in central lens transparency.

National
- Indian Association of Cardiothoracic Surgeons, Annual meeting, Hyderabad, 20 February 2015; Invited talk: How to initiate research by clinicians.
- Annual festival, Biotechnology, Anna University, Chennai, 16 February 2015; Invited talk: Excitement in eye biology
- KIIT, Bhubaneswar, 5 February 2015; Invited talk: Cells and Stem Cells; theory and practice.
- Indian National Science Academy, Delhi, 11 June 2014; Invited talk: Communicating science to society and policy makers.

Kishore Babu
National
- Annual National Medical Records Conference MEDRECON, Tamil Nadu, 6-7 March 2015; Paper presentation: Medical Records: Role and Accreditation Process.

Deepti K Bagga
National

Bhupesh Bagga
International

National
- All India Ophthalmological Society, New Delhi, 2015; Two assignments 1) Instruction Course: Toric iol use for handling Astigmatism 2) Video presentation: Relief: Lid Margin MMG for SJS.

Soumya Basu
National
- Invited to formulate guidelines for diagnosis and management of various forms of extrapulmonary TB, All-India Institute of Medical Sciences (AIIMS), New Delhi.

Praveen K Balne
International
- Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, USA, 4-8 May 2014; Presentation: Epidemic Keratoconjunctivitis in India: Is it adenoviral or microsporidia? Co-authors: Sujata Das, Srikanth K Sahu, Swapnil S Gawit, BNR Subudhi and Savitri Sharma

Unmesh Behera
National
- All India Ophthalmological Society, February 2015; Instruction course: Initiating ROP screening and overcoming practical challenges in Odisha, the LVP Bhubaneswar experience.
- Vitreo-retina society of India, Annual Meet, Agra Nov 2014; Poster presentation: Pulsating long posterior ciliary artery and the mysterious temporal macular dimple.

Sharikant Bharadwaj
International
- LVPEI-University of Rochester collaborative meeting, Rochester, USA, 9 May 2014; Presentation: Vision Science research @ LVPEI.
- Association for Research in Vision & Ophthalmology (ARVO) 2014 meeting, Florida, 4-8 May 2014; Poster presentation: Race-dependent variability in the defocus calibration of eccentric photo refraction. Co-authors: Srawani G and Kumar N V.
- LVPEI - BHVI strategy meeting, BHVI, Sydney, Australia, 22 July 2014; Presentations: 1) Educational and professional development of Optometry @ LVPEI 2) Vision Science research @ LVPEI.

National
- IV Annual Ramalingaswami Conclave, IISER, Bhubaneswar, 29 January 2015; Presentation: Neural control of focusing and eye alignment in the human eye.
- Bio-engineering seminar series, Indian Institute of Science, Bangalore, 12 January 2015; Presentation: Focusing behavior of the human eye.
- Vision Science conference, University of Hyderabad, 25 August 2014; Presentation: Focusing responses of the unocular visual system.
- India Vision Institute’s Young Leaders Program, Hyderabad, 4 April 2014; Presentations: 1) Research opportunities for Optometry in India 2) Indian Optometry - A SWOT analysis.

Seelam Bharani
National
- Indian Eye Research Group (IERG) - ARVO, India Chapter, 21st Annual Meeting, Hyderabad, 26-27 July 2014; Poster presentation: Effectiveness of low vision rehabilitation on Quality of Life in Indian population.
- 31st Low Vision Awareness Program, LVPEI, Hyderabad, 11 April 2014; In house faculty: Available options for patients with low vision.

Subhabrata Chakrabarti
International
- University of New South Wales, Sydney, Australia, 2 October 2014; Presentation: Authorship ethics: credit and credibility.
- International Symposium of Ophthalmology, Hong Kong, 27 September 2014; Presentation: Delineating the molecular mechanisms in primary congenital glaucoma from linkage mapping to next generation sequencing.
- Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, USA, 4-8 May 2014; Presentations: 1) Minimum Publishable Unit ( MPU) and other deviations. 2) The LTBP2 gene exhibits a limited involvement in primary congenital glaucoma.

National
- All India Ophthalmological Society (AIOS), Annual conference, Delhi 6 February 2015; Two engagements: 1) Presentation: Genomics of eye diseases in India over the last 2 decades. 2) Panelist: Audacious research goals in vision and ophthalmology.
- Genetics Symposium on Sanger to Next Generation Sequencing – The Genomics Era, Chennai, 30-31 January 2015; Presentation: Novel
Functional Mechanisms in Primary Congenital Glaucoma: A Journey Through Linkage, GWAS, ROH and NGS.

- IEC-HSCRT workshop, Central University of Hyderabad, Hyderabad, 11 October 2014; Presentation: National and international collaborations: impact and perils.
- Indo-UK Conference and workshop on ophthalmic genetics and genetic counseling, Bangalore; Presentation: The genetic paradigm of Age related Macular Degeneration (AMD) and Glaucoma.

Sunita Chaurasia National
- Co-authors: Muralidhar Ramappa, Ashik Mohamed and Geeta Vemuganti.

Preeti Pali Chhailani International
- American Association of Pediatric Ophthalmology and Strabismus (AAPOS), California, 2-6 April, 2014; Poster presentation: Surgery for Monocular Elevation Defect (MED) - outcomes in a series of 31 cases.

Beula Christy International
- 11th International Conference, Low Vision, Melbourne, Australia, 31 March-3 April 2014; Presentations: 1) Status of rehabilitation intervention in India, an overview of initiatives taken by Government and Non-Governmental service sectors. 2) A Randomized Trial of Methods of Low Vision Service Delivery

Taraprasad Das International
- University of Kentucky, Lexington, May 2014; Distinguished lecture series: Automated detection of diabetic retinopathy.

Vivek Dave National
- All India Ophthalmological Society, February 2015; Invited speaker: “Allergic Conjunctivitis: Case based diagnosis and management” and “Microbial keratitis: diagnosis and management”.
- Ocular Microbiology and Immunology Group Meeting, Chicago, USA, Oct 2014; Free paper: Extensively Drug Resistant Pseudomonas aeruginosa keratitis: Clinical features, risk factors and outcome. Co-authors: Divya Vira, Radhika Medikonda and Nagendra Kumar

Prashant Garg International
- ICO Educators program, APAO meeting, Guwahati, China, 31 March 2015; Invited faculty
- Invited faculty at the annual meeting of AAO Chicago, 18 – 22 October 2014; Two engagements: 1) Invited speaker: Innovations in surgical management of corneal ulcer 2) Faculty: Instruction courses a) Surgical treatment of corneal ulcer b) Atypical keratitis c) Controversies in the management of corneal ulcer.
- Research Group, Kroto Research Institute, University of Sheffield, UK, 23 June 2014; Oral presentation: Challenges in management of corneal ulcer in developing countries.
- Annual meeting of the American Society of Cataract and Refractive Surgery, Cornnea, Boston, 25 April 2014; Invited speaker: Atypical Mycobacterial keratitis.
- World Ophthalmology Congress, Tokyo, 1-5 April 2014; Four engagements: 1) Speaker instruction course: a) Topography and Tomography in the Diagnosis of Corneal Ectasia. Presentation title: Corneal topography. b) Endothelial Keratoplasty; Title Techniques of DSEK. 2) Free paper (co-author) - In Vitro Antimicrobial Efficacy of Riboflavin/UVA Irradiation Combination (365 nm) Against Proteozoa, Nocardial and Fungal Isolates: A Potential New Treatment for Infectious Keratitis 3) Invited speaker symposium: a) JCAPHO session – Expanding human capacity for eye care in developing countries. Title: Training and Incorporation of Mid Level Personnel in Eye Care Team - L V Prasad Eye Institute Model b) JAICHO session – developing an allied health personnel curriculum and training program using internet resources; Title: A comprehensive curriculum: essential for allied health. 4) Chair & Speaker for invited symposium: Exemplary residency programs in developing countries: good teaching in difficult conditions; Title: Exemplary teaching in India: The experience of LVPEI.

Clinical presentations and outcomes of retinal detachment in retinitis pigmentosa
- Outcomes and management of ocular ischemic syndrome.
- Video presentation: Sub-ilm hemorrhage in terson syndrome.
- Maharashtra Ophthalmological Conference 2014, 10-12 October 2014; Three engagements; 1) Invited Faculty: fundus fluorescein angiogram: is it still relevant today b) Understanding the P value in biomedical statistics. 2) Instruction course: a) Eye in systemic disorders: clinical caveats b) Ophthalmic investigations: know the basics. 3) Video presentation: difficult intraocular foreign body scenarios.
- Bombay ophthalmologists association conference 2014; Invited faculty: 1) Fundus autofluorescence in retinal degenerations 2) Retinal stem cell therapy: where are we today 3) The eye in systemic disorders: the retinal perspective.

Siddhath Dikshit National
- 73rd All India Ophthalmology Conference, New Delhi, 5 February 2015; Chief Course Instructor: Learning Statistics can be Fun. Co-Instructors: Vivek Pravin Dave, Mudit Tyagi & Sayan Basu.
- 24th Annual Conference, Glaucma Society of India, Bhubaneswar, 12-14 September 2014; Poster presentations: 1) Glaucma progression on 24-2 versus 10-2 Humphrey visual field examinations. 2) Impact of Cataract Surgery on Intraocular Pressure Control after Surgery for Congenital Glaucoma. 3) Outcomes of Ahmed glaucoma valve implantation in refractory pediatric glaucoma

Merle Fernandes International
- 73rd All India Ophthalmology Conference, New Delhi, 5 February 2015; Chief Course Instructor: Learning Statistics can be Fun. Co-Instructors: Vivek Pravin Dave, Mudit Tyagi & Sayan Basu.
- 24th Annual Conference, Glaucma Society of India, Bhubaneswar, 12-14 September 2014; Poster presentations: 1) Glaucma progression on 24-2 versus 10-2 Humphrey visual field examinations. 2) Impact of Cataract Surgery on Intraocular Pressure Control after Surgery for Congenital Glaucoma. 3) Outcomes of Ahmed glaucoma valve implantation in refractory pediatric glaucoma

Exemplary teaching in India: The experience of LVPEI.
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National

• Update on Corneal infection, Lucknow Ophthalmic Society, 30 March 2015; Invited speaker: Understanding management of corneal ulcer - a case based discussion

• All India Ophthalmological Society- ARC committee- IOC, Delhi, 4 February 2015; Coordinator and faculty: Teachers in Ophthalmology; Title: Curriculum.

• All India Ophthalmological Society Conference, New Delhi, 4-8 Feb 2015; Invited faculty Postgraduate session: Management of corneal ulcer.

• Indian Cornea Society “Karacom 14”, Annual meeting, Chennai, 19-21 December 2014; Two engagements: 1) Invited speaker 2) Session Moderator: corneal ulcer.

• Phaco development Program, LVPEI, 16 November 2014; Presentation: Management of posterior capsular rent.

• Eye bank association of India, Annual Meeting, Hyderabad Ophthalmic Society, 27 September 2014; Presentations: 1) Therapeutic keratoplasty 2) Worst scenario IOLs 3) Management of Keratoconus

• C L Gupta eye institute, 5th Anniversary, Moradabad, 21 September 2014; Two engagements: 1) Key note lecture: Acanthamoeba and microsporidal keratitis 2) Invited speaker: a) Evaluation of a case of corneal ulcer b) Pearls in the management of corneal ulcer – a case based discussion

• Kerala Corneal club, Calicut, 31 August 2014; Invited speaker: 1) Improving outcome of management of corneal ulcer 2) Antibiotic resistance a growing concern.

• CME of Baroda Ophthalmic Society, Baroda, 16-17 August 2014; Invited speaker: 1) Keratoplasty—the best teacher 2) Pearls in the management of Corneal ulcer – case based discussion 3) Glimpse on unusual corneal infections – Microporidia, Nocardia, atypical mycobacteria 4) Advances in the management of fungal keratitis 5) Steroids in Corneal Ulcer 6) Bacterial Resistance a growing concern 7) DSEK: Lessons learnt in last 5 years

• Tamil Nadu Ophthalmic Society, Annual Meeting, Coimbatore, 8-10 August 2014; Invited speaker: 1) Innovations in surgical management of corneal ulcer 2) Phacoemulsification combined with keratoplasty 3) Complications of collagen cross linking 4) How to choose antibiotics.

• British Medical Journal Master classes, Kolkata, 5-6 August 2014; Invited speaker: 1) Corneal ulcer – Therapeutic options 2) Important aspects of endophthalmitis 3) Antibiotic resistance.

Vijaya K Gothwal

International

• Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, USA, 4-8 May 2014; Presentation: Congenital glaucoma surgery improves caregivers’ quality of life.

• 11th International Conference, Low Vision, Melbourne, Australia, 31 March- 3 April 2014; Presentations: 1) Effectiveness of Low Vision Rehabilitation in Children. 2) Quality of life assessment in children with low vision.

National

• 8th Annual Champalimaud Research Symposium, LVPEI, Hyderabad, 1 February 2015; Invited speaker: Patient-reported outcomes in Ophthalmology at the LVPEI: An Update


• Eye-PEP, LVPEI, Hyderabad, 23-28 November 2014; Invited speaker: What is low vision and how do we deal with it?

• 32nd Low Vision Awareness Program, LVPEI, Hyderabad, 12 September 2014; Course co-ordinator and In-House faculty: Clinical Challenges.

• 31st Low Vision Awareness Program, LVPEI, Hyderabad, 11 April 2014; Course co-coordinator and in house faculty: Clinical Challenges.

Syyed Hameed

National

• Indian Eye Research Group ARVO-India Chapter (IERG-ARVO-IC), Hyderabad, 26-27 July 2014; Presentation: Comparative analysis of Corneal dermoid with Limbal dermoid. Co-authors: Jagdish C Reddy, Nazmul Hussain, Vivek Singh and Inderjeet Kaur.

Subhadra Jalali

International

• 52nd ISCEV annual symposium, Boston, 20-24 July 2014; Presentations: 1) Unusual Patterned Pigmentary Retinopathy, Co-author: Padhi T 2) ERG changes in Ocular ischemic syndrome. Co-authors: Myneni J, Sahu C and Reddy D.

• Boston Children’s Hospital, 16 July 2014; Two engagements: 1) Invited guest speaker: Our Experiences in the Diagnosis and management of Neonatal Retinai diseases 2) Video presentation: 10000th Preterm baby at LVPEI

• Consultative workshop on Guidelines development on ROP by Ministry of Health, Philippines, Manila, 9 May 2014; Invited expert by WHO: 1) Lessons for ROP guidelines learnt from Crib to journals over 15 years 2) Born too soon- But who stole my vision, an appeal from a ROP blind girl.

• Philippine Academy of Ophthalmology, Manila, 8 May 2014; Two engagements 1) Invited guest speaker: Neonatal Retinal diseases: spectrum and management 2) Video presentation: Our 10,000th ROP baby.

• 34th World Ophthalmology Congress, Symposium on Advanced diagnosis and treatment of paediatric ophthalmology, Tokyo, 2-6 April 2014; Two engagements: 1) Invited speaker: Diagnosis and surgical management of Neonatal Retinal diseases 2) Presentations: a) Central retinal vein obstruction during laser for ROP, secondary to protein C deficiency and its response to Bevacizumab injection: Indian Twin Cities ROP study report. Co-authors: Phalak D, Rani PK and Balakrishnan D b) The Indian Twin Cities ROP study (ICTROPS) program: Lessons learnt over 15 years of journey from the journals to the cribs. Co-authors: Rani PK, Balakrishnan D and Padhi TR

National

• Advanced Eye centre, Conference on Current trends and controversies in the management of Retinal diseases and uveitis and PGI alumni meet, PGIMER, Chandigarh, 14-15 March 2015; Invited speaker 1) Use of gas and regular silicone oil versus high density silicone oil in inferior RD and PVR 2) Challenging cases of advanced Coats’ disease and complication of intravitreal Bevacizumab in ROP.

• QDIT (Queen Elizabeth Diamond Jubilee Trust), Telangana State Sensitization Meeting, Health department, Telangana, 12 Feb 2015; Invited speaker: ROP epidemic and its control strategies.

• Endophthalmitis at 73rd AIOC at New Delhi, 5-8 Feb 2015; Three engagements 1) Invited speaker: a) Instruction course on Endophthalmitis 2) Neonatal endophthalmitis: protocols and presentations b) Instruction course on Paediatric retinal diseases: preferred practice patterns: Preferred practice patterns in FEVR: PROGECT-FEVR c) Instruction course on ROP screening and management: All you wanted to know about ROP d) Breakfast session on Electrophysiology: Multifocal ERG e) Instruction course on Electrophysiology made simple: Variations and Interpretation of ERG. 2) Poster presentation (co-author): Non-ROP neonatal diseases. 3) Video presentation (co-author): Honey I repaired the staphyloma and removed the suture too!

• Centenary Birthday celebration of Mahamana Pandit Madan Mohan Malviyaji (Jayant), Banarasi Hindu University Old students’ association, Hyderabad (BHUOSA), Hyderabad, 11 January 2015; Invited speaker and chief guest: A Peep into your own eyes: a world of VISION for all

• Retina meeting, Hyderabad ophthalmologists’ association, Hyderabad, 4 January 2015; Invited speaker: 1) Neonatal retinal vascular diseases. 2) Retinal infections in newborns.

• ROP workshop, Priyamvada Birla Aravind Eye hospital , Kolkata, 14 Dec 2014; Invited speaker: 1) ROP Overview 2) Visual rehabilitation in an ROP child.


• CME on ROP, Divyadrishti Eye Hospital, Patna, 6 Dec 2014; Invited speaker: Neonatologists-Ophthalmologists in ROP partnership.

• Inauguration of GeetaSri Retina Institute, Dhanbad, Jharkhand, 16 Nov 2014; Invited speaker: ROP lessons of 15 years of ICTROPS: Implications for ROP blindness in Dhanbad and Jharkhand.

• Paediatric surgical hands-on workshop, LVPEI, Hyderabad, 5-8 Nov 2014; Two engagements: 1) Presentations: Of Coats’ disease and others. Co-presenter- Khodali M J 2) Video presentation: Surgical challenges: rhegmatogenous retinal detachments in ROP

• 6th anniversary celebration of Radhatri Nethralaya, RADNET 2014, Chennai, 14 Sept; Invited speaker: 1) Paediatric Vascular Retinopathies.

• Paediatric/Retinal Fellowship, 2015; Cenetenary Birthday celebration of Mahamana Pandit Madan Mohan Malviyaji (Jayant), Banarasi Hindu University Old students’ association, Hyderabad (BHUOSA), Hyderabad, 11 January 2015; Invited speaker and chief guest: A Peep into your own eyes: a world of VISION for all

• Indian Leber’s congenital amaurosis (LCA) patients 5) Molecular genetic analysis of Zinc Finger protein-408 (ZNF 408) Gene in Indian families with FEVR patients 4) Screening for variations in the RPES5 gene in Indian-Leber’s congenital amaurosis (LCA) patients 5) Molecular genetic analysis of Leber’s congenital amaurosis (LCA) in Indian patients 6) Keratopexy in a case of familial exudative vitreoretinopathy.
• Monthly meeting of MARCH, Hyderabad, 22 June 2014; Invited speaker: Care of Eyes of Newborns and Preterm ababies.

• CME on ROP by Krishna District branch of IAP; Vijayawada, 8 June 2014; Invited guest speaker: Systemic factors in ROP management.

Joveeta Joseph
National
• 18th Annual conference of Indian Association of Medical Microbiologists, AP Chennai, Kancham, Telangana, 7-8 February 2015; Paper Presentation: Corynebacterium spp. endophthalmitis: Clinico-microbiologic profile and outcomes.

Mehta Kabra
National
• Indian Eye Research Group ARVO-India Chapter (IERG-ARVO-IC), Hyderabad, 26-27 July 2014; Presentation: Genetic screening of two candidate genes in a large cohort of non-CYP1B1 Primary Congenital Glaucoma cases from India. Co-authors: Sriparna Ganguly, Anil K Mandal, Sirisha Senthil, Inderjeet Kaur, Partha P Majumder and Subhabrata Chakrabarti.

Swathi Kaliki
International
• World Ophthalmology Congress, Tokyo, Japan, 2-6 April 2014; Four assignments: 1) Session chair: Session Chair: Eyelid tumor improvements in therapies 2) Invited speaker: a) Neoadjuvant systemic chemotherapy in the management of sebaceous carcinoma of the eyelid. b) Conjunctival malignancy: Topical chemotherapy and surgical developments 3) Paper presentation (co-author): a) Retinal vasoproliferative tumors in 6 patients with Neurofibromatosis type 1. b) Enhanced depth imaging optical coherence tomography of circumscribed choroidal hemangioma 3) Intravitreal melphalan for persistent or recurrent retinoblastoma vitreous seeds provides control with minimal complication 4) Poster presentation (co-author): American Joint Committee on Cancer (AJCC) cancer staging of posterior uveal melanoma is predictive of prognosis: Analysis of 7731 patients.

National

• APSOPS-OPMI, New Delhi, 28-30 September 2014; Paper presentations (co-author): 1) Influence of human immunodeficiency virus on ocular surface squamous neoplasia: a case-control study 2) Ocular surface squamous neoplasia as the presenting feature of human immunodeficiency virus.

Chitra Kannabiran
International
• World Ophthalmology Congress, Tokyo, 1-4 April 2014; Course Faculty: Genetics in Ophthalmology.

National
• AIIOC 2015, New Delhi, 5-8 February 2015; Speaker in Instruction Course: Genetics in Ophthalmology.

Inderjeet Kaur
International
• Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, USA, 4-8 May 2014; Poster presentation: Are Genetic Signatures in Age-Related Macular Degeneration Suggestive of Disease Progression? Co-authors: Jay K Chhablani, Raja Narayanan, Rajeev R Pappuru, Annie Mathai and Subhabrata Chakrabarti.

National
• Aravind Medical Research Foundation, Annual Proteomics Workshop, Madurai, October 2014; Invited Talk: Biomarkers for retinopathy of prematurity.

Ramesh Kokkunna
International

• 2014 AAO Annual meeting, Chicago, 18-21 October; Two engagements 1) Senior Course Instructor a) Nightmares in Pediatric Cataract Surgery b) What new in Pediatric Ophthalmology and Strabismus 2) Video Presentation: Management of strabismus in Duane Syndrome.


• Cambridge Ophthalmological Symposium, UK, 3-5 September 2014; Invited speaker: Pattern strabismus needs special surgical attention.


• 2014 Leonard Apt meeting, advanced topics in pediatric ophthalmology and strabismus, Stein Eye Institute, Los Angeles, 1 April; Invited speaker- Face Value- Sensitive periods for the functional specialization of the neural system for human face processing after congenital cataract surgery.

National

• 2015 AIOIS, annual meeting, New Delhi, 5-8 Feb; IC Speaker: 1) Strabismus management in Duane syndrome 2) Papilledema 3) Strabismus surgery under topical anesthesia.


• 2014 MOSAC, Annual meeting, Maharashtra, 6-7 Dec; Two engagements: 1) Key note lecture: Evaluation of a strabismus case 2) Invited lecture: Video gallery of strabismus surgery.


• 2014 EVE PEP, LVPEI, Hyderabad, 26 Nov; Lectures for postgraduates: 1) Esotropia 2)Complex strabismus 3)Disc edema.

• IOS 2014, Annual Meeting, Mysore, 7-9 November; Invited lectures 1) Strabismus evaluation 2) Infantile cataract surgery 3) Orbital motility confusion for general ophthalmologists.


• APOS 2014, Annual meeting, Rajamundry, 10-12 Oct; Invited speaker: 1) IOL implantation in children 2) Strabismus management in Duane syndrome.

• Dr P Raja Reddy Annual CME, Sarojini Devi Eye Hospital, 18 Sep 2014; Invited speaker: Exotropia.

• Congress on Optic nerve, Vascularature and Emerging treatment, Bangalore, 9-10 August 2014; Two engagements 1) Invited speaker: a) Acute loss of vision with optic disc edema b) Interpretation of visual field in Neuroophthalology c) Steroids Vs No steroids in Traumatic Optic Neuropathy 2) Panelist for case discussion.

Rohit C Khanna
International

National
• 8th Annual Champalimaud Research Symposium, Hyderabad, 1 February 2015; Invited Speaker: Update on the Community Eye Health Research at LVPEI.
• 5th Annual conference of Association of Community Ophthalmologists of India (ACOIN) in Kolkata, 2 October-2 November 2014; Invited speaker: Andhra Pradesh Eye Disease Study: Journey from I to III.
• 21st IERG Annual meeting, LVPEI, Hyderabad, 26-27 July 2014; Invited speaker: Andhra Pradesh Eye Disease Study: A Journey from I to III

K Anil Kumar
International
• Workshop on Operations Management for Effective Eye Care Delivery, The Right to Sight, Visakhapatnam, 3-4 May 2014. Presentation: Current challenges for HR - competition, non-availability of skilled clinical and managerial HR.

G Laxmi
National
• 32nd Low Vision Awareness Program, LVPEI, Hyderabad, 12 September 2014; In-House faculty.
• 31st Low Vision Awareness Program, LVPEI, Hyderabad, 11 April 2014; In-House faculty.

Srinivas Marmamula
International
• Asia ARVO (Association for Research in Vision and Ophthalmology), Yokohama, Japan, 16-19 February 2015; Poster presentation: Utilization of eye care services among those with unilateral visual impairment in Rural South India - Andhra Pradesh Eye Disease Study (APEDS). He received a travel grant to attend this meeting.

National
• 8th Annual Champalimaud Research Symposium, Hyderabad, 1 February 2015; Invited speaker: Visual impairment in Elderly - Protocol - An update from LVPEI on the Wellcome Trust work.
• 21st IERG Annual meeting, LVPEI, Hyderabad, 26-27 July 2014; Poster presentation: Unilateral Visual Impairment in Rural South India - Andhra Pradesh Eye Disease Study.
• Vision 2020 - India: 10th Annual Conference at Little Flower Hospital & Research Centre, Angamaly, Ernakulam District, Kerala, 5-6 July 2014; Invited speaker: LVPEI - Vision Centre Model.

Annie Mathai
National
• All India Ophthalmological Society Conference, New Delhi, 4-8 Feb 2015; Presentation: RCT backed uses of Avastin.
• Uveitis Society of India, New Delhi, 14-15 November 2014; Presentation: “Do we still have Eales’ Disease?”

Dilip Kumar Mishra
National
• CME On ophthalmology, Bhaskar Medical College, Hyderabad, 22 March 2015; Invited Talk: 1) Basic of eye pathology 2) Corneal and conjunctival pathology 3) Tumor of orbit and eye.
• All India pathology meet- national conference, APICON 2014, Pune, 4-7 December 2014; Poster presentation: Medulloepithelioma of eye - a retrospective study of 13 cases in LVPEI Hyderabad. Co-authors Swathi kaliki and Geeta vemuganti.

Rohit Modi
International
• American Academy of Ophthalmologist (AAO), Chicago, October 2014; Poster presentation: Clinical characteristics of bilateral versus unilateral CSCR.
• 73rd Annual Conference, AIOS, New Delhi, February 2015; Presentation: RPE atrophic tracts.

Ashok Mohamed
International

Presenting author- Martin Costello, Co-authors: Kurt Gilliland, Ashik Mohamed, Sönke Johnsen, and Kevin Schey. Lens fiber cell maturation involves unique cellular patterns and sub-cellular structures.

National

Sirajum Monira
International
• 32nd Low Vision Awareness Program, LVPEI, Hyderabad, 12 September 2014; In-House faculty.
• 31st Low Vision Awareness Program, LVPEI, Hyderabad, 11 April 2014; In-House faculty.

Swapna R Motukupally
International
• Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, USA, 4-8 May 2014; Presentation: Are liquid media useful in the laboratory diagnosis of infective endophthalmitis ? Co-authors-Vaibhav Sethi, Vidya R Nanapur, KanchanaChathoth, Annie Mathai and Savitri Sharma

Raja Narayan
International
• EURETINA, London, September 2014; Presentation (on behalf of Marvel study group): A randomised, double-masked, controlled study of the efficacy and safety of intravitreal bevacizumab versus ranibizumab in the treatment of macular oedema due to branch retinal vein occlusion: 1-year results.
• Partnership for Innovative Health Care Delivery, Washington DC, April 2014; Presentation: LVPEI pyramidal model of eye care.

National
• Vitreo Retina Society of India, Agra, Dec 2014; Presentation: Avastin versus Lucentis: Is there a difference?
• Symposium, Aravind Eye Institute, Pondicherry, October 2014; Presentation: Management of BRVO.
• Indian AMD Congress, Mumbai, July 2014; Presentation: Management of Polypoidal Choroidal Vasculopathy.

Asa Narasiah
National
• 32nd Low Vision Awareness Program, LVPEI, Vijayawada, 12 September 2014; In-House faculty.
• 31st Low Vision Awareness Program, LVPEI, Vijayawada, 11 April 2014; In-House faculty.

Sameera Nayak
National
• 14th Annual Meeting, Uveitis Society Of India 2014, India Habitat Centre, New Delhi; 22-23 November 2014; Poster presentation: Comparison of fundus fluorescein angiogram and optical coherence tomography in different spectrum of posterior uveitis.
• Looking beyond the Eye-2014, LVPEI, Vishakhapatnam, 6 July 2014; Oral presentation: Ocular sarcoidosis.

Avinash Pathengay
National

Soumya Panda
National
• 32nd Low Vision Awareness Program, LVPEI, Bhubaneswar, 12 September 2014; In-House faculty.
• 31st Low Vision Awareness Program, LVPEI, Bhubaneswar, 11 April 2014; In-House faculty.
Niranjan Pehere
National
• Eye on Future, CME Eye on Future, CME on Paediatric Ophthalmology, LVPEI, Vijayawada, 28 December 2014; Presentations: 1) Amblyopia management: evidence based current recommendations 2) Horizontal muscle surgery 3) Steps in pediatric cataract surgery
• Eye PEP: National PG educational program, Sep 2014, LVPEI, Hyderabad; Presentations: 1) Paralytic strabismus 2) Localization of lesion 3) Nystagmus.
• Workshop on Learning Disabilities in Children, LVPEI, Vijayawada, August 2014; Presentations: Ophthalmic professionals and Learning Disabilities.
• CME on “Eye in Systemic disease”, LVPEI Visakhapatnam, 6 July 2014; Topic: Childhood cataract and diabetes mellitus.
• ROP for Pediatricians”, CME for Paediatricians, LVPEI, Vijayawada, May 2014; Presentations: 1) Eye Examination at birth 2) Screening Criteria for ROP.

Padmaja Kumari Rani
National
• Hyderabad ophthalmic society – Retina meeting, Hyderabad, 4 January 2015; Invited speaker: 1) Vitrectomy for Malignant glaucoma 2) Central retinal venous occlusion in neonates.
• Venu eye Institute, New Delhi, 1 December 2014; Member consultant: on adapting DR protocol of ICO in Indian context.
• Vitreomacular Society of India meeting, Agra, 5-7 December 2014; Three assignments: 1) Presentation (co-author): 2SG Parsplana Vitrectomy and Irido-Zonulo-hyaloido-Vitrectomy (IZHV) in the management of malignant glaucoma in a phakic eye following trabeculectomy. 2) Free paper presentation: (co-author): a) Role of tamponade in vitrectomy for Proliferative Diabetic retinopathy with vitreous hemorrhage. b) Scleral buckling (SB) Versus Sutureless Parsplana Vitrectomy (PPV) without SB in Primary Rhexomagenous retinal detachment (RDR) 3) Video presentation: An Interesting case of retained subretinal Intraocular foreign body and its management.
• Saipuri Senior Citizen’s Association meeting, World Diabetes Day, Hyderabad, 11 November 2014; Guest speaker: Diabetes and Eye.
• First paediatric surgical retina work shop, LVPEI, Hyderabad, 5-8 November 2014; Presentation: Case presentation of CRVO occurring in a neonate during laser forROP and bilateral HD viral retinitis in neonates.
• Andhra Pradesh State ophthalmology conference, Rajahmundry, 11 October 2014; Presentation: Prevention of neonatal endophthalmitis in neonates.
• Aravind Hospitals, Pondicherry, 4-5 October 2014; Presentation: Epidemiology of Diabetic Retinopathy: Indian Vs Global Scenario. TIFACORE-Symposium on Diabetic retinopathy and retinal vascular diseases.
• Diabetes Self Care foundation, Hyderabad, 24 August 2014; Guest speaker: Diabetes strikes eyes, Know how.
• Controversies to Consensus in Obesity, Diabetes and Endocrinology (CODE) conference, Hyderabad, 27 July 2014; Presentation: Newer Insights into Management of Diabetic Retinopathy.

Muralidhar Ramappa
International

National
• Indian association of anesthesiologists, workshop: Various ophthalmic complication of regional anaesthesia, LVPEI, Hyderabad 8 March 2015; Presentation: Clinical spectrum of congenital corneal anaesthesia in the research forum.
• 27th APACRS, Jaipur, November 2014; Two assignments: 1) Free paper-PK and or DSEK in Children with congenital hereditary endothelial dystrophy: Two decades of our experience. 2) Video presentation: Descemets stripping endothelial keratoplasty in children.
• EBAL annual meeting, Hyderabad, 25-28 September 2014; Invited talk: Keratoplasty in children.
• RIEB silver jubilee function, LVPEI, Hyderabad, 27 June 2014; Presentation: High-risk grafts and PK in children.
• HOA meeting, Hyderabad 20 June 2014; Presentation: Cataract surgery in setting of corneal stromal dystrophies.
• Swapur memorial symposium, Hyderabad, 25 May 2014; Invited talk- 1) DESAEK in children 2) Perioperative chemoprophylaxis during cataract surgery.
• EYE PEP 2014, LVPEI Hyderabad; Presentation: Pediatric eye diseases.

Gullapalli N Rao
International
• American Board of Ophthalmic Retracte, Santa Barbara, USA, 22 January 2015; Guest speaker: The role of ophthalmology in future medical systems; Topic: Value of ophthalmology care in LVPEI.
• RANZCO Symposium, Queensland Eye Institute, Australia, 26 November 2014; Key note speaker: Surgical Standards in Education and Practice: A Global Perspective; Title: Driving improved outcomes in cataract surgery in developing countries from ICEE to Phaco/IOL.
• RANZCO International Development Workshop – Cataract Surgery in Low Resource Settings- Coordinated by Queensland Eye Institute, Australia, 21 November 2014; Four engagements: 1)Key note speaker: The Big Picture 2) Invited speaker: Training; Title: Surgical training programmes and techniques 3) Chair: Resourcing 4) Invited speaker: Monitoring; Title: Accessing Services and Strategies.
• Grand Rounds at University of Michigan, W.K. Kellogg Eye Centre, Ann Arbor, USA, 11 August 2014; Invited speaker: LVPEI model of vision services in Andhra Pradesh.
• Grand Rounds at Alder Hey Childrens Hospital, Liverpool, UK, 23 May 2014; Invited speaker: Eye care delivery in the developing world: A model for healthcare delivery – Challenges and solutions.
• Board Meeting at Vision4Children, Liverpool, UK, 22 May 2014; Invited speaker: Childhood blindness, teaching and training of paediatric eye care teams, research into childhood blindness conditions and family support.

Harmony 2014 - Update on Cornea and Refractive Surgery, Organised by C.L. Gupta Eye Institute, Moradabad, Uttar Pradesh, 21 September 2014; Inaugural speech and keynote lecture: Road not taken.

Eye Donation Fortnight, Drushit Daan, Bhubaneswar, 7 September 2014; Three engagements: 1) Chair: Synergy amongst Eye Banks in Odisha 2) Chair and Panelist: Role of hospital in HCRP and how it can be improved 3) Key note address: Plenary Session; Title: Eye banking in India - The present reality and the future potential.

5th National Undergraduate Medical Conference OSMECON, Osmania University, Hyderabad, 5 September 2014; Invited speaker: The future is exciting.


Bangalore Ophthalmic Society Annual Meeting, Bangalore, 28 June 2014; Invited speaker: Gold medal oration - Universal eye health coverage - A model.

Ganeswara Rao National

Indian Eye Research Group ARVO-India Chapter (IERG-ARVO-IC), Hyderabad, 26-27 July 2014; Presentation: Molecular genetic analysis of Zinc Finger Protein - 408 (ZNF408) gene in Indian Familial Exudative Vitreoretinopathy (FEVR) patients. Co-authors: Musada, Syed Hameed, Subhadra Jalali, Subhabrata Chakrabarti and Inderjeet Kaur.

Suryanatha Rat National

APSOPRS, New Delhi, September 2014; Free paper: Modified transconjunctival dacryocystorhinostomy.

Varsha Rat National


National

Refresher's workshop for OR Nurses and Technicians; Conducted two workshops: 1) 15 November 2014 2) 15 March 2015.


Education Day Scientific meeting, UPEFE, 30 November 2014; Debate moderator, Cornea Session: CXL in MK, Voriconazole first line of management, intracorneal injections, Corticosteroids for Micrabial keratitis.

Vidarbha Ophthalmological Society meeting Akola, Maharashtra, 18-19 October 2014; Invited speaker: 1) Scleral Contact Lenses 2) Phototherapeutic keratectomy 3) Presbyopic Contact Lenses.


Sonika Rat National

Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, USA, 4-8 May 2014; Presentation: Role of Complement Components in Retinopathy of Prematurity. Co-authors: Subhabrata Chakrabarti, Subhadra Jalali, Ramesh Kekunaya, Suman Thakur, Rohit Budhraja, T Ramakrishna, Ch Mohan Rao and Inderjeet Kaur.

National

Indian Society of Human Genetics and International Symposium on Genomics in Health and Diseases, 40th Annual Conference, National Institute on Immunohematology, Mumbai, 28-30 January 2015; Presentation: Abnormal complement activation leads to pathological neovascularisation in subjects with Retinopathy of Prematurity.

Co-authors: Subhadra Jalali, Subhabrata Chakrabarti, Ganeswara R Musada, Ramesh Kekunaya, Preeti P Chhablani, Divya Bakalrishn, Rohit Budhraja, Suman Thakur, T Ramakrishna, Ch Mohan Rao and Inderjeet Kaur.

Indian Eye Research Group ARVO-India Chapter (IERG-ARVO-IC), Hyderabad, 26-27 July 2014; Presentation: Complement components play a major role in pathogenesis of Retinopathy of Prematurity. Co-authors: Subhadra Jalali, Rohit Budhraja, Subhabrata Chakrabarti, Preeti P Chhablani, Ramesh Kekunaya, Suman Thakur, T Ramakrishna, Ch Mohan Rao and Inderjeet Kaur.

Vanita Pathak-Ray

International


National

APOP, Rajahmundry, October 2014; Invited lecture: What's new in Glaucoma surgeries?

GSI, Bhubaneswar, September 2014; Invited lecture: Glaucoma Practice patterns in India – results of survey 2013


Jagadesh C Reddy

International

Asia Pacific Association of Cataract and Refractive Surgeons (APACRS), Jaipur, November 2014; Two Engagements: 1) Free paper: Spontaneous attachment of detached descemetal’s membrane after cataract surgery: Role of visante anterior segment optical coherence tomography in predicting visual outcome. 2) Video presentation: Sutureless anterior lamellar keratoplasty in children with corneal opacities.


National


Hyderabad Ophthalmology Association, June 2014, Hyderabad; Invited Faculty: Cataract Surgery in Keratocous.

National

Focus on Anterior Segment, Hyderabad, 25 May 2014; Invited Faculty: 1) Suture less Anterior Lamellar Keratoplasty. 2) Management of epithelial ingrowth using NdYag Laser.

Karnataka Ophthalmic Society, Mysore, Month, 2014; Free paper: Spontaneous attachment of detached descemet’s membrane after cataract surgery: Role of visante anterior segment optical coherence tomography in predicting visual outcome.

KERACON 2014, Mahaballipuram, December 2014; Invited Faculty: Predictors of corneal ectasia.

Mamatha Reddy National

Institute of Life Sciences, Bhubaneswar, 31 May 2014; Presentation: Glucose metabolism in cancer.

Ashutosh Richhariya

International


National

Asia ARVO, Delhi; Two assignments: 1) Presentation (co-author): Corneal biomechanics in Ocular Imaging 2) Poster presentation: Predicting spherical aberration induced by laser refractive surgery by using biomechanical model of cornea.
Aravind Roy

International

- 27th Asia Pacific Association of Cataract and Refractive Surgeons, Jaipur, November 2014; Poster presentation: Rate of change of lenticle thickness in manual versus automated descemets’ stripping endothelial keratoplasty lenticles. Co-authors: Madhusmita Das, Md Hasnat Ali and Pravin V Krishna.

National


Sanhita S

National


Virender Sachdeva

International


Shahna S

National


Virender S Sangwan

International


National


Virenzer S Sangwan

International

- DEWSII Steering committee meeting, San Francisco, 31 March 2015. Invited expert and member steering committee.

- West Java IOA Scientific Meeting in Bandung, Indonesia, 7-9 March 2015; Invited speaker: 1) Stem cell therapy for ocular surface 2) Boston Kpro: Indications, Outcomes and Surgical technique 3) Vernal Keratoconjunctivitis: An enigma for clinicians 4) Peripheral ulcerative keratitis: Surgical management.

- International Ocular Surface Inflammation, group meeting, New York, 8-10 November 2014; Invited talk: Surface Inflammation and Cell Based Therapy.

- University of Sao Paulo Eye hospital, Sao Paulo, 7-9 August 2014; Visiting faculty: 1) Limbal stem cell cultivation and transplantation 2) Management of end-stage corneal diseases 3) Surgical Demonstration in OR of SLET 4) Learned from them MMG new technique of harvesting as well as transplantation of minor salivary glands.

- Pancomia Society, Annual meeting of Columbian Ophthalmic Society, Medellin, 5-7 August 2014; Invited speaker: 1) End-stage corneal diseases: Current management. 2) UVP Kpro-promising technique for dry and dermalised ocular surface. 3) Innovations in stem cell surgery. 4) Limbal stem cell transplantation – outcomes.

- American Society of Cataract and Refractive Surgery, Boston, 26-30 April 2014; Invited faculty: 1) Innovations in Limbal stem cell surgery 2) Clinical outcome of Primary Boston Type I Kpro in Bilateral Limbal Stem Cell Deficiency.

- Visiting Professor, Rochester University, 23-26 April 2014; Invited speaker: 1) Stem cell therapy for ocular surface. 2) Cornea grand rounds at Flaum Eye Institute. 3) Meetings with Different Stem Cell Research Groups.

National


Premmanandini Satgurun

International

- Association for Research in Vision and Ophthalmology (ARVO) 2014 (Annual Meeting) Orlando, USA, 4-8 May 2014; Presentation: Can vision impaired children perform visual search tasks?

G Chandra Sekhar

International


National

- The Art & Science of Glaucoma, World Glaucoma Week, LVPEI & Hyderabad Ophthalmic Association, 8 March 2015; Presentation: Glaucoma Diagnostics – Glaucoma Progression and Interactive Perimetry.

- 73rd AIOS, New Delhi, 5-8 February 2015; Presentation: National Symposium on Glaucoma - Patient centric Glaucoma care.


- 11th Annual UKOS Conference, UTTARA-EYECON 2014, Mussoorie, 4-5 October 2014; Two assignments 1) Invited faculty 2) Delivered Dr CS Grover Oration: Understanding and improving clinical acumen.

- Glaucoma Society of India, Eye Fest 2014, Annual Conference, Bhubaneswar, 12-14 September 2014; Two assignments: 1) Keynote lecture: Patient Centric Glaucoma Care 2) Chairperson: The Inevitable Debates – has anything changed?

- Bangalore Ophthalmic Society, Bangalore, 29 June 2014; Invited faculty: Understanding and improving Clinical Acumen.

- Glaucoma, Refractive and Cataract Surgery Interactive: Panel Discussion & Debates, Hyderabad Ophthalmic Association, 22 June 2014; Chair: Glaucoma panel discussions.


- Institute of Ophthalmology, Kasturba Medical College, Manipal & Udipi District Ophthalmic Society, 11 May 2014; Two assignments 1) Keynote address: Glaucoma with special emphasis on the importance to visual fields in glaucoma 2) Invited faculty: Glaucoma Overview - Importance of Visual fields in Glaucoma.

Srisha Senthil

International

- Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, USA, 4-8 May 2014: Poster Presentation: Outcomes of AGV in refractory pediatric glaucoma.
National
• Symposium on Refractory and Childhood Glaucoma - Attention 2015
Aravind Eye Hospital, Madurai, 14-15 March 2015; Invited speaker: 1) Diagnosing Glaucoma Progression on OCT 2) Glaucomas associated with Corneal Diseases
• Invited faculty for 27th APACRS, Jaipur, 13-16 November 2014; Presentation: Glaucoma following Posterior Chamber Implantable Collamer Lens Implantation.
• Hyderabad Ophthalmic association, 22 June 2014; Invited talk: Imaging in Glaucoma.
• Invited faculty for the congress on optic nerve, vasculature & emerging trends in Vascular Society and Bangalore Ophthalmic Society, Bangalore, 9 -10 August 2014. Two Presentations: 1) CDR: Is this glaucoma clinical disc evaluation 2) What is new in glaucoma surgery?

Savitri Sharma
International
• Asia Cornea Society biennial meeting held at Taepei, Taiwan, 11-12 December 2014; Invited speaker: 1) New insights into epidemic keratoconjunctivitis- epidemiology, diagnosis and treatment. 2) Recent advances in the diagnosis of corneal infections.

National
• Bhaskar Medical College, Zonal CME program of Dr Nitrhus on Basic Sciences in Ophthalmology, Hyderabad, 22 March 2015. Invited speaker: 1) Basic principles of laboratory diagnosis of corneal infections, 2) monitoring of operating room protocols.
• 18th Annual conference of Indian Association of Medical Microbiologists, AP Chapter, Khammam, Telangana, 7-8 February 2015. Delivered Oration: The Rigour and Relevance of Research in eye Infections: An account of 28 years.
• XIII National Workshop on Diagnostic Methods in Clinical Microbiology, held at Dept. of Microbiology, JIPMER, Pondicherry, 8-10 October 2014; Invited speaker: Diagnostic methods in eye infections.
• CME - "Harmony-Upgradation in Ophthalmology - a journey from a refractive surgery camp to a tertiary care centre", Hyderabad, 25-26 September 2014; Invited speaker: Laboratory Diagnosis of Corneal Infections.
• Academy of clinical microbiologists-Tricon2014 Govt. Medical College (6thTriennial Conference) Thrissur, Kerala, 16-17 August; Invited talk: Mycotic and Parasitic Infections of the Eye.
• CME, post graduates students, Shadan Institute of Medical Sciences, Hyderabad, 6 April 2014; Invited talk: Fluorescence Microscopy.

Sachin Shukla
International
• Joint symposium of 4th International Neural Regeneration Symposium, 6th International Spinal Cord Injury Treatment and Trials Symposium, 9th Asia Pacific Symposium on Neural Regeneration (INRIS-ISCITT-APSNR- 2014), Nanjing, China, 6-10 September 2014; Oral presentation: Reparative neurogenesis in adult trout (Onchorhyncus mykiss): in vitro and in vivo investigation of CNS response after optic nerve injury. Co-authors: Pushchina EV and Varaksin AA.

• 3rd International Conference, Hydrogen Sulfide in Biology and Medicine, Kyoto, Japan, 4-6 June 2014 : Poster presentation: Hydrogen sulfide factor regulates differentiation and proliferation of nerve cells in primary culture of cells from brain and spinal cord of the salmons. Co-authors: Pushchina EV and Varaksin AA.

• VII School of Marine Biology, A V Vazhimurksny Institute of Marine Biology FEB RAS, Vladivostok, Russia, 14-15 April 2014; Invited lecture (initiated in the memory of V L Kasynov): Stem Cells: Past trends, Present Applications and Future prospective.

National
Indian Eye Research Group (IERG), 21st Annual Meeting organized by ARVO-India, LVPEI, Hyderabad, 26-27 July 2014; Poster presentation: Analysis of trans differentiation potential of human dental pulp stem cells: Clinical implications for bilateral limbal stem cell deficiency. Co-authors: Singh V and Sangwan VV.

Vivek Singh
National

Shradhha Sureka
International

Pravin K Vaddavalli
International
• 5th EuCornea Congress, London, 12-13 September 2014; Speaker.

National
• All India Ophthalmological Society (AIOS), Annual meeting, Delhi, 5-9 February 2015; Three engagements: 1) Invited speaker 2) Chief Instructor 3) Co-instructor.
• 27th Congress of the Asia Pacific Association of Cataract and Refractive Surgeons, APACRS 2014, Jaipur, 13-16 November 2014; Three Engagements: 1) Invited speaker 2) Session chair 3) Symposium speaker.
• Karnataka Ophthalmology Society, Annual Meeting, MYCON 2014, Mysore, 8-9 November 2014; Invited speaker.
• 38th Annual meeting, Vidharba Ophthalmology Society, 18-19 October 2014; Akola; Invited speaker.
• 38th Annual meeting of the Andhra Pradesh Ophthalmological Society, Rajahmundry, 11-13 October, 2014; Two engagements: 1) Invited speaker 2) Symposium chair.
• 25th Year Anniversary Meeting, Ramayama International Eye Bank, 27 June 2014; Speaker.

Jayesh Vazirani
National
• Hyde Park Session, New Delhi, 7 February 2015; Presentation (chief author): Demography and Clinical Features of Limbal Stem Cell Deficiency (LSCD) at a Tertiary Care Center. Presenting Author: Siva Kumar Wuriy. Co-authors: Fernandes Merle.
• All India Ophthalmological Society (AIOS), Annual conference, Delhi 6 February 2015; Invited lectures: 1) Clinical presentation of Mild, Moderate and Severe Dry Eye 2) Surgical management of dry eye disease.
• Ocular Surface Interest Group (OSIG), Annual Meeting, Hyderabad, January 2015; Invited lecture: Simple limbal epithelial transplantation (SLET) at Visakhapatnam.
• Keracan (Annual meeting of the Cornea Society of India), Mamilapuram, December 2014; Two assignments: 1) Paper presentation: Multi-drug resistant pseudomonas keratitis - Clinical characteristics and associated features. 2) Poster presentation: Customized simple limbal epithelial transplantation (SLET) for recurrent limbal stem cell deficiency (LSCD).
Srujana Centre for Innovation

Srujana: Innovation @ LVPEI, was setup in 2013 as a direct outcome of the “Engineering the Eye” workshop organized jointly by LVPEI and the Camera Culture Group, MIT Media Lab, USA, with funding support from Cyient Ltd. The workshop enforced the need to have clinicians, engineers and designers work on a collaborative platform to address several new and existing eye care problems in the developing nations through cutting-edge technology that is simpler, more accessible and affordable.

The collaboration with MIT Media Lab extends to the development of tools for eye imaging and automated screening with the help of machine learning algorithms. The development work at the Innovation Centre encompasses development of technology to serve both clinical and research needs - including technology that would eventually be used for surgical needs.

Along with the Camera Culture Group, the centre runs the LVPEI-MITRA Program, which is an opportunity for students to work on projects mentored by graduate students at the MIT Media Lab and clinical mentors at LVPEI. Selected students get an opportunity to go to MIT as visiting students.

We also work in collaboration with other companies and research groups like Bascom-Palmer, Florida; Ben-Gurion University of the Negev, Israel; Indian Institute of Technology (IIT), Hyderabad; Engineering Staff College of India (ESCI), Hyderabad; and Mahindra Comviva, Bangalore for technology innovation.

The centre now has on board skilled professionals with qualifications varying from computer programming to optics to manufacturing. With this the Innovation Centre is gearing up to come up with innovative products and technologies that can be used in clinics.
The second edition of the “Engineering the Eye” workshop, Rethinking Engineering Design eXecution (REDx), was hosted in collaboration with Tata Centre for Technology and Design and MIT Media Lab on 13 July 2014 at Cyient Ltd in Hyderabad. The focus was on innovation and design for building prototypes of ophthalmology products. At the week-long workshop, around 100 engineering and design students from across the country along with mentors from LVPEI and MIT worked on developing prototypes. Out of these, three prototypes have been developed further and two have reached the clinical testing phase. Professor Raghunath Mashelkar, Chairman, National Innovation Foundation - India and an eminent scientist who believes in inclusive innovation, inaugurated the workshop.

Winter interns from Srujana participated in the ReDx workshop - Mumbai edition, and got a chance to interact with mentors from MIT, USA and were provided guidance and support for the development of their prototypes.

The third edition of the ReDx has been planned for 5-11 July 2015.

Hyderabad4Innovation

Hyderabad4Innovation (H4I), an initiative by a group of senior leaders to nurture and grow the innovation ecosystem in Hyderabad, inaugurated the “Hyderabad4Innovation” directory, which has 100 ecosystem support services. LVPEI’s Srujana Centre for Innovation is part of this group.
EnVision 2015 Workshop

The inaugural EnVision 2015 workshop hosted by the Srujana Centre for Innovation aimed at providing bio-engineering skills to optometry and vision science staff and LVPEI faculty. Prof Adrian Glasser, University of Houston College of Optometry and Dr Shrikant Bharadwaj, LVPEI facilitated the five-day workshop held from 2-6 February 2015. The workshop also provided the participants with hands-on experience in 3D CAD drawings and LASER cutting technology. Three prototypes have been designed so far and one of them has already achieved completion. Parthasarathi Kalaiselvan’s prototype, a V-Guage developed to measure diameters of contact lenses using 3D-programming software, is now ready for use.

Presentation at the Design Summit

FITTE, an education toy for teaching Braille to visually impaired children, was presented at the design summit organized on 11 March 2015 at HITEX, Hyderabad by Dhruv Joshi, an engineer from Srujana. The audience comprised individuals from start-up enterprises, design studios and prototyping labs.

Team Srujana Showcase Prototypes

Microsoft: As part of the Microsoft India Development Center (MIDC)’s Giving Campaign, a team of students and engineers from Srujana showcased their eyecare prototypes to Microsoft engineers on 10 October 2014 at their Hyderabad campus.

BioAsia Healthcare Devthon: Prototypes developed at the Surjana Centre were showcased at the BioAsia Healthcare Devthon held on 17 January 2015 at Progress Software Campus, Hyderabad. Dr Anthony Vipin Das and a few engineers from Srujana shared their thoughts on the importance of innovation in eye care with the devthon participants and also provided them with mentorship support.
Prototypes Under Development

**Eye alignment display:** A screen on which a symbol is visible when the viewer’s gaze is properly aligned with respect to the screen. Once the eye is aligned, various kinds of tests can be performed on it.

*Mentor* - Tristan Swedish, MIT Media Lab.

**Anterior segment reconstruction:** A portable device to make a complete reconstruction of the anterior segment of the eye, which can be used for further analysis by an ophthalmologist via customized software. This device automates the task of a conventional “slit lamp”.

*Mentor* - Shantanu Sinha, MIT Media Lab.

**Retinal annotation tool:** Software for annotation of retinal images, which will be used to train machine learning algorithms for automatic detection of retinal pathologies.

*Mentor* - Dhruv Joshi, LVPEI.

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**Pediatric perimeter**- A device to estimate visual fields in infants (3-6 months of age)

*Mentor* – Dr Premnandhini Satgunam, LVPEI

**Pupil hacker**- A portable pupillometer which checks a patient’s response to stimulation by light.

*Mentor* - Dr Anthony Vipin Das, LVPEI

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**Student Speak**

“My knowledge was so limited before I joined Srujana. Now I feel as if my horizon has broadened. With the immense resource pool available at the centre, it was a tremendous learning experience. The only thing that can stop you here is your own lack of imagination.” *Devesh Jain, Hyderabad.*

“At Srujana, I got an opportunity to work on products that can have considerable impacts on the lives of visually impaired children; scientific approach is used to quantify their vision and accordingly develop products.” *Karthik Reddy, Hyderabad.*

“My experience at Srujana has been very productive. I got an opportunity to explore many new things and interact with some great minds.” *Pushyami Rachapudi, Hyderabad.*

“I learnt many new things in the three months that I spent at Srujana. I was encouraged to think creatively and was given the liberty to work on my ideas.” *Tanmay Kulkarni, Mumbai*
Alumni News

Alumni Meeting

The November 29-30, 2014 LVP Alumni meet was also a part of the Education Day. Outgoing long-term fellows were inducted into the group. 52 alumni members participated in this meet.

Paaraj Dave, Glaucoma specialist, Fellow LVPEI, inaugurated his clinic “Dave Eye Clinic” on 8 March 2015 in Hyderabad.

Kopal Mittal, has been awarded the Dr Mohan Lal memorial gold medal in Paediatric Ophthalmology at the 49th Annual Conference of the UP State Ophthalmic Society 20-21 December 2014 in Noida.

Samrat Chatterjee, was awarded the Orbis Medal for the best paper in Community Optometry at European Society of Cataract & Refractive Surgeons (ESCRS), London, 2014 and Rakesh Sharma Award for the best free paper in Trauma at the All India Ophthalmological Society (AIOS) 2014.

Vishram Sangit, was awarded: Best paper in Optics at All India Ophthalmological Society Scientific Committee (AIOC) 2013 for ‘Role of Rose K Contact Lenses in Keratoconus’; and Second place for best video presentation at Keracon 2014 December for his video ‘Atypical Scleritis - A worm wriggles out of the Pandora’s box’.
OUR SUPPORT

Year after year as we continue to grow, so does the list of our benefactors, supporters, contributors and friends. This not only is a testimony to the quality of services that we deliver but also bears a testimony to the level of commitment our supporters have shown towards our work. We thank all our supporters and well wishers for their whole-hearted support.

We got talking with a few of our benefactors who have recently joined the LVPEI family to know from them what motivated them to support the cause of eye care.

Mr Devidas N Budhrani, Founder Trustee of Naraindas Morbai Budhrani Trust (NMBT) and his family firmly believe in serving the poor and the underprivileged.

(Extracts from a conversation we had with him)

How accessible do you think are the eye care services in India?
Access to healthcare is a general concern in India. Specialized services like eye care are even more inaccessible. The rural and tribal pockets are the worst affected. Most of the eye related problems are avoidable, i.e, can be prevented, treated or managed. The ability to see has a direct impact on one’s capacity to earn a livelihood. It is an area that needs attention and support from every quarter of the society.

What according to you needs to be done on a priority basis to make quality eye care accessible to all?
LVPEI’s pyramid model of eye care demonstrates a comprehensive approach. It not only makes access to eye care services possible for the vulnerable and needy communities but also focuses on creating awareness and developing skilled human resources which is essential to sustainably scale up eye care services. The need of the day is to invest in resource poor areas for providing quality eye care through skilled human resources.

Why did NMBT choose to partner with LVPEI?
NMBT has been supporting the cause of preventing avoidable blindness much before its inception as an organisation in 2002. We have been instrumental in setting up eye care institutions with the focus of initiating quality eye care programs for the underserved. LVPEI is a globally recognized institution known for its excellent service model; use of latest technologies and ongoing research activities; and also for making communities a partner in promoting eye care services. Partnering with LVPEI thus seemed to be a natural choice for us in reaching out to the underserved population.

How do you foresee the partnership between NMBT and LVPEI formulating in the coming years?
With the Secondary Eye Care Centre in Rayagada district of Odisha, we have initiated our partnership with LVEPI. We intend to have a much closer association with LVPEI in the coming years to respond to the eye care needs of the marginalized communities by having long term infrastructure and human resource in place.

What motivates you to work for the cause of eye care?

“Nothing feels as great as seeing a child go back to school or an elderly person resume his livelihood and independence, post a simple cataract surgery. The joy that we get by bringing about sustainable changes in the lives of people is our biggest motivation.”
All for a Cause
Aurobindo Pharma Limited partners with LVPEI

With the aim to provide quality eye care to the elderly population, especially to those who cannot afford it, Hyderabad based pharmaceutical giant Aurobindo Pharma Limited, have extended their generous support to develop a Geriatric Eye Care Centre, at LVPEI’s GMR Varalakshmi Campus in Visakhapatnam. The centre named Aurobindo Geriatric Eye Care (AGE) will be the first of its kind in the world. Aurobindo Pharma Vice-Chairman K Nityananda Reddy and Director Sarat Chandra Reddy, in the presence of Chief Minister N Chandrababu Naidu, presented the donation cheque for this centre to LVPEI on 23 February 2015.

Founded in 1986 by Mr P V Ramaprasad Reddy, Mr K Nityananda Reddy and a small group of highly committed professionals, Aurobindo Pharma today features among the top 10 companies in India in terms of consolidated revenues. Corporate social responsibility is at the heart of Aurobindo Pharma. Education, health and sanitation and environmental sustainability are few of the major areas that the company supports. The pharma company has also been awarded the State Award for the Best Community Services by the Government of Andhra Pradesh.

The company believes that there is an urgent need to create awareness among people about preventable blindness, and early identification and treatment are essential for the detection of vision-threatening diseases that have the potential to cause permanent loss of vision. Impressed with LVPEI’s service delivery model, Aurobindo Pharma decided to partner with LVPEI and extend their support to make quality eye care available to all.
Your support makes it possible for all to see...

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Fortune Impex
Lambodara Sahoo
State Bank of India, Bhopal
Vision Care
Bihar
Gauri Shankar Agarwal
Chennai
Vimala Rajappa
G Sathish
Delhi
Vijayendra Nath Jha
Veena Devi Singhania
S Ranganathan Charitable Foundation
Microsoft / Charities Aid Foundation India
Dubai
Natasha Aswani
Daleep Dhalumal Jatwani
Saibal Banerjee
Utkarsh Kumar
Shalu Khan
Grand Welder Shipyard workers
East Godavari
P Bhana Murthy
France
Marie Christine Sprugnoli
Guntur
Ratna Babu
Gurgaon
Riddhi Golecha D / Vijay Golecha
V K Kotak
Haryana
Tarun V Kotak
Howrah
Mrigendra Nath Sahu

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Lucknow
Asha Mathur
Sunil Kumar Singh
Madhya Pradesh
K C Dhimore
Maharashtra
Marina Bijoy
A Ravi & R Gopalami
Mumbai
M Adinarayana
Rajendra Y Angle
B R Barwale / Maharashtra Hybrid Seeds Co Ltd
Rashmi Vasudeo Bhivapure
Sailes Desai / Sun Pharma Laboratories Ltd
Parul Deshpande
Pooja Laddha
Rashida Nazim Matani
Veena Patel
A K Roongta / Govind Oils Mills Pvt Ltd
Behram Sethna
Rajkumar Sekar / Shri Kudilal Govindram Seksaria Foundation
Rajkumar Sekar / Universal Cine Traders Pvt Ltd
Madhu & Mahesh Thakker (Kantilal & Javerben Thakker & Family)
-Embee Corporation
-Balaji Trading
-Pharm Aromatic Chemicals
-Satyam Enterprises
-Tirupati Traders
Eye Bank Coordination & Research Centre
Nalgonda
Rahul Bheemattam Anjagini
Nagpur
Paresh Karia
New Zealand
Bill Kite
Nepal
Banwarilal Suresh Gatia
Noida
Aditya Dubey
Odisha
Kailash Natha Pandey
Pune
Bisham N Hinduja
Jaysinh Sakhraram Konkar
Tangdu Vinod Kumar
Vijay Munshi
Bijoy Vincent
Rajasthan
Siddharth Solanki
Singapore
Mast Polaki Jeel
Srikakulam
Sanyasi Rao
M Mohan Rao
Gudia Sanyasamma
Jami Krishna Swamy
M V R Murthy / East Coast Development Foundation
Tirupati
Penubala Lakshamma
UK
Kameswara Rai Chivukula
Lady Odile Slyn
Parmajit Gill
John W Paul
Savitri Waney Charitable Trust
Uttar Pradesh
Nidhi Pandey
Vijayawada
Tumpati Adhikari
K Lakshman Das
Premilaben Dhansukhlal Kachiwala
Ilapakurthi Nagesh
Pinnamaneni Trivikrama Prasad
P Lakshmi Pratap
Yarlagadda Ramesh
Lingineni Rajashekar
A Srinivasa Rao
K Sulochana
Krishna Yalamanchi
Bezawada Ladies Circle
Visakhapatnam
A Adarsh
Mahesh Alththur
Anand / The Presidencial School
Gunna Raja Babu
P Anasuya Devi
D Sita Devi
Rani Kamala Devi
A Ranga Rao Dora
Kedarsetty Guptajee
V Indumathi Gupta
VTN Gupta
Murula Gowtham
Smt Pothinindi Kanaka
Yelamanchi Krishna
K Vijay Kumar
M Vinay Kumar
Budharaju Suman Kumar
G Kiran Kumar
Sekha Ladia
Kasim S Mehdhi
Sukla Mitra
Y Suryanarayana Murthy
G Adinarayana Murthy
T S Murthy
Adinarayana Murthy
M V R Murthy / East Coast Development Foundation
Ilapakurthi Nagesh
T V Nagarajan
S Purushotham
Grandhi Rajesh
K Bangara Raju
G Govinda Rao
G Radha Krishna Raju
Yarlagadda Ramesh
V Raja Rao
A Tata Rao
K Uma Rama Rao
L Narayana Rao
A Srinivasa Rao
G Govinda Rao
G Srirama Chandra Rao
Addepalii Rammohan Rao
Kedali Ramachandra Rao
D Rangaraju / Vijaynagar Biotech Ltd
M Sudha Rani
Raghu Rayala / RVR Projects Pvt Ltd T Ramanjaneya Reddy
Gundla Sanyasamma
M Satyanarayana
N Satyanarayana
T Satyanarayana
N Satish
T V K Sarma
Manider Singh / Lotus Wireless Technologies India (P) Ltd
Bhavani Sirisha
J Sitamahalakshmi
Kochcharlakota Sridhar
V Sreenu
K Subhadra
K Suryanarayana
V Linga Swamy
V R Tata
Narayan & Sunanda Tilak
Keshava Narayan Tilak
P V K S Varma
Netra Vidyalay
Durgamma Charitable Trust
Friends Aided Charitable Trust
Harmony Food Pvt Ltd
ICICI Lombard
Kader Exports Pvt Ltd
Koneru Charitable Trust
Maa Kuthari Charitable Trust
Neelima Times
Pothunindi Kanakadurgamma Charitable Trust
S V R Exim India Pvt Ltd
Ravi Rays Indian Oil Dealers
Sri Krishna Engineering Construction Company
S R L Diagnostics Ltd
Synergies Castings Ltd
West Bengal
Anupam Pratik Kujur
Our International & National Linkages (Past & Present)

International

Abbott Medical Optics, USA
Adventus Technology Inc., USA (Dr Paul Erickson)
AIBILI, University of Coimbra, Portugal
Aidmatrix Foundation, Inc (I2 Foundation), USA
African Academy of Sciences, Nairobi, Kenya (Dr Berhanu Abegaz)
Alcon, USA
AMO Groningen BV, The Netherlands
Allergan, USA
Arabian Healthcare LLC, UAE
Association for the Blind, Malaysia
Association for the Blind and Visually Impaired, Rochester, USA
B P Koirala Institute of Health Sciences, Nepal
Bartimeus, The Netherlands
Bausch & Lomb, USA
Briein Holden Vision Institute, Sydney, Australia. (Prof Robert C Augustyniak)
Brien Holden Vision Pty Ltd, Sydney, Australia. (Dr Lutz Andersson / Dr Paul Erickson)
BRISE CARR Group Limited, Canada
Bristol Eye Bank, Bristol Eye Hospital, UK
Canadian International Development Agency, Canada
Carl Zeiss, Germany
Case Western Reserve University, USA. (Prof Sudha Iyengar)
Centre for Eye Research & Technology, Australia. (Prof Brien Holden / Dr Paul Baird)
Centre for Sight General Hospital, Sri Lanka
Centre of Excellence in Molecular Biology, Pakistan. (Prof Syed Riazuddin)
Champlainaud Foundation, Portugal. (Dr Leonor Beleza / Mr Joao Silveira Botelho / Dr Andrew Teskar)
Children’s Hospital of Philadelphia, USA
Children’s Hospital of Philadelphia, University of Pennsylvania, USA
Chinese University of Hong Kong, Hong Kong. (Prof Calvin Pang)
Christoffel Blindenmission, Germany. (Dr Allen Foster)
City Eye Hospital, Indonesia
Combat Blindness Foundation, USA
College of Biomedical and Life Sciences, Cardiff University, Cardiff, Wales, UK. (Prof Andrew J Quantock)
Consejo Superior de Investigaciones Cientificas, Instituto de Optica, Madrid, Spain. (Prof Susana Marcos)
City University - Division of Optometry & Visual Science, London. (Prof Chris Hull / Ahalya Subramanian)

Dr Wahidin Sudiro Husodo General Hospital, Indonesia
Duke University Eye Centre, Durham, North Carolina, USA. (Prof Michael Hauser / Prof Rand Allingham)
Eyesight International, Canada (Dr Paul Dubord)
European School for Advanced Studies in Ophthalmology (ESASO), Switzerland
Flaum Eye Institute, University of Rochester Medical Center, USA. (Dr David Williams / Prof Steve Field)
Florida Atlantic University, Department of Biomedical Science, Boca Raton, Florida, USA. (Prof Marc Kantorow)
Flinders University, Australia. (Prof Luba Kalaydjieva / Prof Konrad Pesudovs)
Fred Hollows Foundation, Australia
GebauerMedizintechnik GmbH, Neuausen, Germany. (Mr Steffen Gebauer / Mr Helmut Maas)
Good – Life Co, USA / Finland (Dr Lea Hyvärinen)
Hadassah University, Israel (Dr Pe’er)
Harvard University, USA. (Prof Joan Miller)
Helsinki University Eye Hospital, Helsinki, Finland. (Dr Jukka Moilanen)
Institute of Medical Research, Malaysia
Institute of Ophthalmology & Retina Research, UK
International Agency for Prevention of Blindness, UK
International Association for Contact Lens Educators, Australia
International Federation of Eye & Tissue Banks, USA
Indiana University School of Optometry, Bloomington, USA. (Prof Sarita Soni)
Islamia Eye Hospital, Bangladesh
Johns Hopkins University, USA (Dr Debasish Sinha, Dr David Friedman)
John Hunter Hospital, New South Wales, Sydney, Australia. (Prof John Atta)
Jules Stein Eye Institute, University of California, USA. (Dr Suraj Bhat)
Kenyatta National Hospital, Nairobi, Kenya.
Latter-day Saints Charities, USA (Dr Ike Ferguson)
Lighthouse International, USA
Linkoping University, Sweden (Dr May Griffith)
Lions Eye Institute, Australia
Lions International, USA
London School of Hygiene & Tropical Medicine, UK (Dr Clare Gilbert, Dr GVS Murthy)
Massachusetts Eye and Ear Infirmary, Medical Lab, USA
Massachusetts Eye Research and Surgery Institute, Cambridge, Massachusetts, USA. (Dr C Stephen Foster)
Massachusetts Institute of Technology, (Dr N M / Dr P Sinha) and Media Lab, Ramesh Rasker
Mayo Clinic, USA. (Prof William Bourane)
Moorfields Eye Hospital, UK (Dr Robin Ali)
National Healthcare Group Eye Institute, Tan Tock Seng Hospital, Singapore (Dr Rupesh Agrawal)
National Foundation for Eye Research, Omaha, Nebraska, USA. (Prof Peter F Kador)
National Institute of Ophthalmology & Hospital, Bangladesh
National Institute of Ophthalmology, Japan (Dr Takeshi Iwata)
National Institutes of Health, National Eye Institutes, USA (Dr Paul Sieving)
New York Eye & Ear Infirmary, New York, USA. (Prof Robert Ritch)
Northwestern University, USA
Ohio State University, USA. (Dr Angela Brown)
Operation Eyesight Universal, Canada. (Dr Paul Dubord)
Optometry Giving Sight, Australia
ORBIS International, USA / India (Dr Rahul Ali)
OneSight Foundation, Luxottica, USA
Pakistan Institute of Community Ophthalmology, Pakistan
Queensland University of Technology, Australia
Queen Elizabeth Diamond Jubilee Trust (QEDJT) (supporting training of Ophthalmologists from Africa and west Asia region) UK
Rochester Institute of Technology, Rochester, USA
Rotary International, USA
Santen Inc, USA (Dr Michael Rhinehart)
Service de Biologie, Cinique Institute, Salah Aaziz, Tunisia
SightLife, USA (Dr Monty Montoya)
SightSavers, UK
Singapore Eye Research Institute, Singapore. (Prof Tin Aung / Dr Eranga Vithana)
Stanford Graduate School of Business, USA
SUNY School of Optometry, USA
Schepens Eye Research Institute, Massachusetts Eye and Ear Infirmary, Harvard Medical School. (Dr Eli Pelis/Dr Gang Luo)
Thadkonda Research Foundation, Inc, USA.
(Prof Paul Thadkonda)
The Cooperative Research Center for Eye Research & Technology, Australia (Prof Brian Holden)
The Hadley School for the Blind, USA
The Tun Hussein On National Eye Hospital, Malaysia
Tufts University of Medicine, USA
The Royal Australian and New Zealand College of Ophthalmologists (RANZCO) supporting HR development in Asia Pacific region, Australia
University of Hamburg, Hamburg, Germany
University of Aberdeen, UK
University of California, San Diego, USA. (Prof Robert Weinreb)
University of California Berkeley School of Optometry, Berkeley, USA. (Prof Clifton Schor / Dr Nance Wilson)
University of Campinas, Brazil. (Dr Monica Mele)
University of Sao Brazil (Prof Rubens Belfort)
University of Florida, USA (Dr K V Chelam)
University of Heidelberg, Germany (Dr Jost Jonas)
University of Houston College of Optometry, Houston, USA. (Prof Earl Smith III)
Dept of Ophthalmology, University of Kentucky, Lexington KY, USA. (Dr Jay Ambati)
University of Iowa, USA. (Dr John Fingert)
University of Melbourne, CERA, Australia (Prof Jonathan Crowston)
University of Melbourne, CERA, Australia (Dr Paul Baird)
University of Miami Miller School of Medicine, Bascom Palmer Eye Institute, Miami, Florida, USA. (Dr Eduardo C Alfonso / Prof FabriceManns / Prof Jean-Marie Parel)
University of Miami College of Engineering, Department of Biomedical Engineering, Coral Gables, Florida, USA. (Prof FabriceManns / Prof Jean-Marie Parel)
University of Nairobi, Kenya
University of Nebraska Medical Center, USA. (Dr Iqbal Hamed)
University of New South Wales, School of Optometry and Vision Science, Sydney, Australia. (Prof Robert C Augustyn / Prof Arthur Ho / Prof Mark Willcox / Dr Isabelle Jabbert / Prof Fiona Stapleton)
University of North Carolina School of Medicine, Department of Cell Biology and Physiology, Chapel Hill, North Carolina, USA. (Prof Martin Joseph Costello / Dr Kurt O Gilliland)
University of Sheffield, Sheffield South York. (Prof Stephen Rimmer / Dr Sheila Mac Neill)
University of Nottingham, UK
University of Ottawa, Canada
University of Pittsburgh Medical Center, USA. (Dr Jim Funderberg)
University of Sao Paolo, Brazil. (Prof Rubens Belfort)
University of South Carolina, USA
University of Southern California (Narsing A Rao)
University of Toronto, Canada
University of Iowa, USA. (Dr Eward Stone)
Vanderbilt University, Department of Biochemistry, Nashville, Tennessee, USA. (Prof Kevin L Schey)
Wellcome Trust, UK. (Dr Jean Farrar)
Wharton School (University of Pennsylvania), USA
William Beaumont Hospital, USA
Wills Eye Hospital, USA. (Dr Jerry Shields / Dr Carol Shields)
World Diabetes Foundation, Denmark
World Health Organization, Switzerland
Yangon Eye Hospital, Myanmar

National

ACE Experiences Asia Pvt Ltd (Did), Hyderabad
Action on Disability and Development India, Bengaluru
Analinar Technologies, Hyderabad
Ali Yavar Jung National Institute for the Hearing Handicapped, Secunderabad
Anthropological Survey of India, Kolkata
Aravind Eye Care System, Madurai
Armed Forces Medical Services, Pune (Dr Venu Nair)
Banaras Hindu University, Department of Ophthalmology, Varanasi
Bhabha Atomic Research Centre, Mumbai. (Dr Srikumar Baveja)
Bharat Petroleum Corporation Limited, Mumbai
Bioinnovat Research Services Pvt Ltd, New Delhi
Biomedical Foundation of India, Mumbai
Bio-Medix Optotechnik & Devices Pvt Ltd, Bengaluru
Birla Institute of Technology and Science, Pilani. (Prof B N Jain, Prof VS Rao)
Blind People’s Association, Ahmedabad
CBR Forum, Bengaluru
Centre for Cellular and Molecular Biology, Hyderabad. (Dr Mohan Rao)
Centre for DNA Fingerprinting and Diagnostics, Hyderabad. (Dr J Gowrishankar)
Centre for Human Genetics, Bengaluru.
C L Gupta Eye Institute, Moradabad. (Dr Ashi Kurana)
Consolidated Products Corporation Pvt Ltd, New Delhi.
Council for Advancement of People’s Action, New Delhi.
Council of Scientia & Industrial Research, Government of India, New Delhi
Charities Aid Foundation (Microsoft Aid Agency) New Delhi
Department of Biotechnology, Government of India, New Delhi. (Prof S Vijay)
Department of Science & Technology, Government of India, New Delhi. (Dr T K Chandrashekar)
District Blindness Control Society, Hyderabad
Dr Reddy’s Laboratories, Hyderabad. (Mr G V Prasad / Mr Satish Reddy)
Esslol India Pvt Ltd, Bengaluru
Eye Bank Association of India, Hyderabad
Fernandez Hospital, Hyderabad (Dr Evita Fernandez)
Fullerton India Credit Company Ltd, Mumbai
GE Volunteer Funding, Hyderabad
Guru Nanak Dev University, Amritsar with Prof Amanjit Bhanwer
Holy Cross College, Tiruchirappalli.
Indian Council for Medical Research, New Delhi. (Dr V M Katoch)
Indian Institute of Chemical Biology, Kolkata. (Dr Siddhartha Ray)
Indian Institute of Information Technology, Hyderabad. (Dr P G Narayan)
Indian Institute of Public Health, Hyderabad (Dr GVS Murthy)
Indian Institute of Science, Bengaluru. (Mr P Balram)
Indian Institute of Technology, Hyderabad.
Indian Orthocane Surgicals, Chennai
Indian Statistical Institute, Kolkata
India Vision Institute, Hyderabad.
(Mr Vinod Daniel)
Indira Gandhi National Open University, New Delhi
Institute of Health Systems, Hyderabad
Institute of Life Sciences, Bhubaneswar. (Dr Satish Devadas)
International Human Resource Development Centre, Coimbatore
JPM Rotary Eye Hospital, Cuttack
JP Singh Associates, New Delhi
Kode Venkatadri Chowdary Charitable Society, Vijayawada
Mahindra Comviva, Bengaluru.
Micro Vision, Ahmadabad
Milmet Laboratories Pvt Ltd, Ahmadabad
Narotam Sekhsaria Foundation, Mumbai
National Institute of Biomedical Genomics, Kalyani, West Bengal. (Prof Partha Majumder)
National Institute for Mentally Handicapped, Secunderabad
National Institute for the Visually Handicapped, Dehradun
National Institute of Mental Health and Neuro Sciences, Bengaluru. (Dr T R Raja)
National Institute of Nutrition, Hyderabad.
Nava Bharat Ventures Ltd, Hyderabad
Nimmagadda Foundation, Hyderabad
NTPC Foundation, New Delhi
Presidency University, Kolkata. (Dr Anuradha Lohia)
Quality Care India Pvt Ltd (Care Hospital), Hyderabad
Roy A Kite foundation, Ladhak. J & K: Mr Bill Kite
Sadguru Nete Chikitsalaya, Chitrakoot
Sankara Netralaya, Vision Research Foundation, Chennai. (Dr Badrinath)
Sarva Shiksha Abhiyan, Hyderabad
Sir Ratan Tata Trust, Mumbai
Society for the Elimination of Rural Poverty, Hyderabad
State Council of Education Research and Training, Hyderabad
Tech Mahindra Foundation, Hyderabad
Thakur Hari Prasad Institute for Research and Rehabilitation of Mentally Handicapped, Hyderabad
The Calculutta Medical & Research Institute, Kolkata
The Helen Keller Institute for Deaf and Deafblind, Mumbai
The Toy Bank, New Delhi
Tata Tribal Cultural Society (TCS) , (Training of ONA) (India)
University of Hyderabad, Hyderabad. (Dr Geeta Vernaganti / Dr R Ramaswamy / Dr R R Shamaan)
Uurmi, Hyderabad
VEBART Trust, Visakhapatnam
VIMTA Laboratories, Hyderabad. (Mr P S Vasireddy)
Vision For India, New Delhi
VISION 2020: The Right to Sight, India
Wishing Well Online, Mumbai
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.
Excellence • Equity • Efficiency