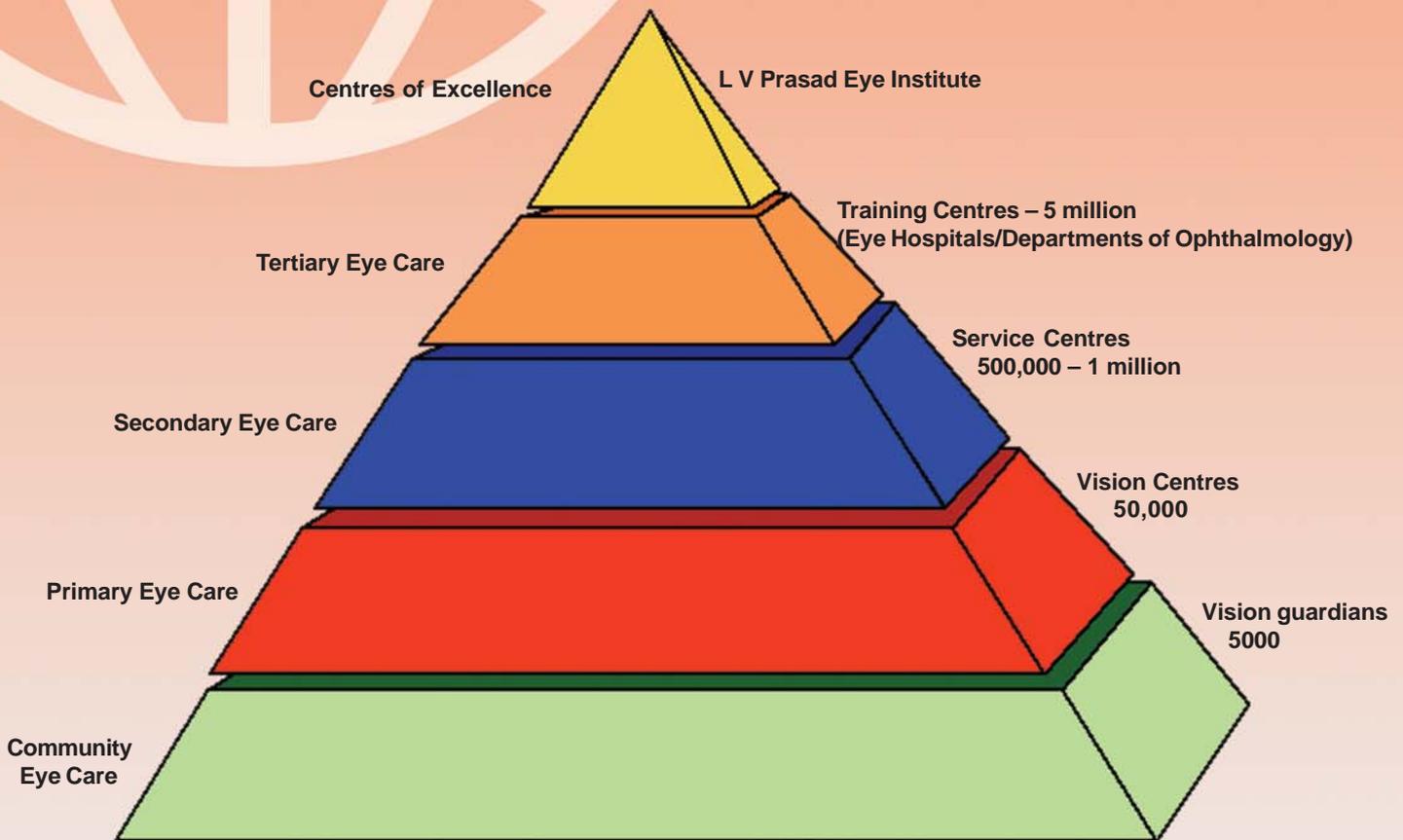




L V Prasad Eye Institute

Committed to excellence and equity in eye care

Creating models of eye care for the developing world



*Annual Activity Report
April 2005 - March 2006*



Network of eye care

Centre of Excellence

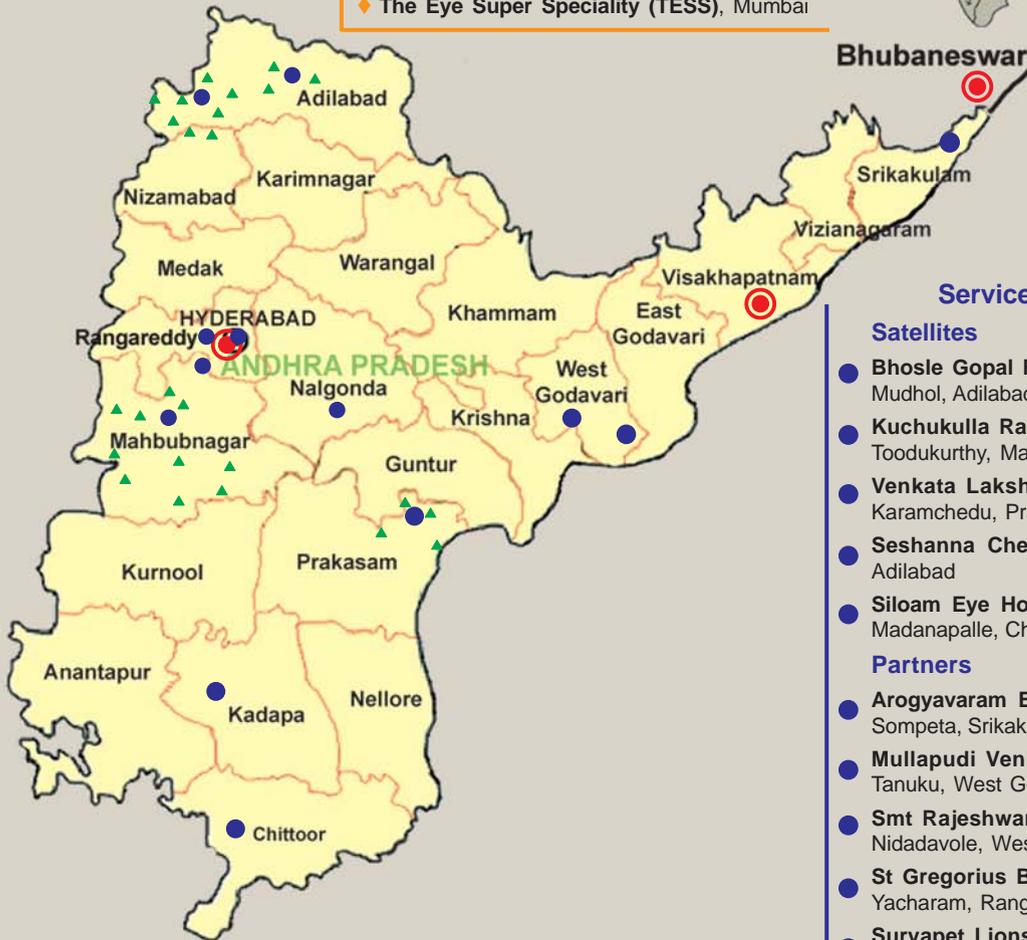
- L V Prasad Eye Institute
Hyderabad

Tertiary Care

- Bhubaneswar Eye Institute
Orissa (Opening in July 2006)
- Visakhapatnam L V Prasad Eye Institute
Visakhapatnam (Opening in July 2006)

National partners

- ◆ Calcutta Medical Research Institute (CMRI), Kolkata
- ◆ MGM Eye Institute, Raipur
- ◆ Shroff's Charity Eye Hospital, New Delhi
- ◆ Little Flower Eye Hospital, Angamally
- ◆ The Eye Super Speciality (TESS), Mumbai



Service Centres – Secondary Care

Satellites

- Bhosle Gopal Rao Patel Eye Centre
Mudhol, Adilabad District
- Kuchukulla Ramachandra Reddy Eye Centre
Toodukurthy, Mahabubnagar District
- Venkata Lakshmi Eye Centre
Karamchedu, Prakasham District
- Seshanna Chennawar Eye Centre
Adilabad
- Siloam Eye Hospital
Madanapalle, Chittoor District

Partners

- Arogyavaram Eye Hospital & Contact Lens Clinic
Sompeta, Srikakulam District
- Mullapudi Venkatarayudu Eye Centre
Tanuku, West Godavari District
- Smt Rajeshwari Ramakrishnan Lions Eye Hospital
Nidadavole, West Godavari District
- St Gregorius Balagram Eye Hospital
Yacharam, Ranga Reddy District
- Suryapet Lions Eye Hospital
Suryapet, Nalgonda District
- The Rotary Eye Hospital
Proddatur, Kadapa District
- M S Reddy Lions Eye Hospital
Moula Ali, Hyderabad
- Kishore Chand Chordia Eye Centre
Begum Bazar, Hyderabad
- Balanagar Lions Eye Hospital
Balanagar, Hyderabad

Vision Centres – Primary Care

- | | | | |
|---------------|--------------|----------------|---------------|
| ▲ Achampet | ▲ Ichoda | ▲ Lokeswaram | ▲ Utnoor |
| ▲ Amangal | ▲ Indervelli | ▲ Nagarkurnool | ▲ Wanaparthy |
| ▲ Bhainsa | ▲ Kallur | ▲ Nandipet | ▲ J Panguluru |
| ▲ Bizinepally | ▲ Kollapur | ▲ Naveepet | ▲ Paruchuru |
| ▲ Boath | ▲ Kottakota | ▲ Tanur | ▲ Kalvakurthy |
| ▲ Ghanapuram | ▲ Kubeer | ▲ Telkapally | ▲ Lingala |

The year at a glance

First ever model of Integration of Primary and Secondary Eye Care completed during the year

LVPEI's Vision Centre model for primary eye care has been very successful; the inauguration of the twentieth Vision Centre marked the completion of a 'model of integration of secondary and primary eye care' in the districts of Adilabad and Mahboobnagar in Andhra Pradesh. This is the first ever such integration anywhere of these services with permanent infrastructure providing ongoing care by trained professionals.

The service centres for secondary care at Mudhol in Adilabad district and at Toodukurthy in Mahboobnagar district (each serving a population of 500,000) now have a full complement of ten Vision Centres each – one for 50,000 population. All of them have a permanent infrastructure and well trained staff recruited from within the local communities and work according to the principles of practicing high quality, sustainable and equitable eye care. We have now initiated our work to anchor even deeper into the communities with "Vision Guardians" for every 5000 people.

One Vision Centre for each service centre was funded initially by Sight Savers International, UK; the rest of the network was supported in full by the Lavelle Fund for the Blind, Inc., of New York, USA.

Primary Eye Care – Eradicating blindness due to refractive error & detecting potentially blinding diseases

| | |
|----------------|--------|
| Vision Centres | 20 |
| Total patients | 46,133 |

Secondary Eye Care – Diagnosing all eye problems and treating blindness due to cataract, glaucoma, etc

| | |
|---------------------------|----------|
| Service Centres | 14 |
| Total patients | 1,97,786 |
| Total surgeries performed | 22,740 |

LVPEI Advanced Tertiary Eye Care – Completing the circle of eye care

| | |
|---------------------------|----------|
| Total patients | 1,92,671 |
| Total surgeries performed | 24,277 |

Vision Rehabilitation Centres – Providing a better quality of life

| | |
|---------------------|-------|
| Total beneficiaries | 5,022 |
|---------------------|-------|

Education – Enhancing skills for quality eye care

| | |
|------------------------------|-----|
| Total ophthalmologists | 227 |
| Other eye care professionals | 333 |

Research – Finding new frontiers in eye care

| | |
|---------------------|-----|
| Total presentations | 403 |
| International | 95 |
| National | 308 |
| Total publications | 85 |
| Honors and Awards | 35 |

Eye Bank

| | |
|---|-------|
| Cornea tissue collected (RIEB* and other eye banks) | 2,826 |
| Corneal transplants at LVPEI | 786 |

*Ramayamma International Eye Bank, L V Prasad Eye Institute, Hyderabad

International Partner Eye Centres

Apart from the satellite and partner centres in Andhra Pradesh and in the rest of India, LVPEI has also broken international boundaries in forging partner eye centres in **Paraguay, China, Indonesia, Bangladesh and Ethopia.**



Our Vision

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

Our 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 services to underserved populations in the developing world.

L V Prasad Eye Institute

Committed to excellence and equity in eye care

Annual Activity Report April 2005 - March 2006



**Collaborating Centre for
Prevention of Blindness**



L V Prasad Eye Institute

Hyderabad, India

L V Prasad Eye Institute is a not-for-profit charitable organization.

**Director &
Dr Kallam Anji Reddy Distinguished Chair of Ophthalmology**
Ravi Thomas

**EYE HOSPITAL
Cornea & Anterior Segment**

Virender S Sangwan
Merle Fernandes
Prashant Garg
Pravin V Krishna
Somasheila Murthy
B S Ramamurthy
Gullapalli N Rao
Rishi Swarup
Jayeeta Bose

**Bausch & Lomb
Contact Lens Centre**

Prashant Garg
Pravin V Krishna
P Ruby Kala
G Prasad Reddy
Preeji Shyamsunder

**Laser Refractive
Surgery Centre**

Prashant Garg
Merle Fernandes
Pravin V Krishna
Somasheila Murthy
B S Ramamurthy

**VST Centre for
Glaucoma Care**

G Chandra Sekhar
Anil K Mandal
Rajul Parikh
Ravi Thomas

**Smt Kanuri Santhamma
Retina Vitreous Centre**

Taraprasad Das
Anjli Hussain
Nazimul Hussain
Subhadra Jalali
Ajit B Majji
Annie Mathai
Raja Narayanan
Avinash Pathengay
L S Mohan Ram
Sumasri Mohan Ram

Uveitis & Ocular Immunology

Virender S Sangwan
Somasheila Murthy

**Ophthalmic Plastic
Surgery, Orbit, Ocular
Oncology and Ocular
Prosthesis**

Santosh G Honavar
Ramesh Murthy
Milind N Naik
Vijay Anand P Reddy
Kuldeep Raizada
D Deepa Rani

Strabismus

Ravi Thomas
K Ramesha

Neuro-ophthalmology

K Ramesha

**Jasti V Ramanamma
Children's Eye Care Centre**

Anil K Mandal
Santosh G Honavar
Subhadra Jalali
K Ramesha
Ramesh Murthy
B S Ramamurthy
Sushma Tejwani
Ravi Thomas

**Comprehensive
Ophthalmology**

Rohit Khanna
Rahul Kumar Ali
Sushma Tejwani

**VISION REHABILITATION
CENTRES**

**Meera & L B Deshpande
Centre for Sight
Enhancement and
Dr PRK Prasad Centre for
Rehabilitation of Blind &
Visually Impaired**

Sarfraz Ali Khan
Vijaya K Gothwal
Beula Christy
Marella Manjula

**RAMAYAMMA
INTERNATIONAL EYE BANK**

Usha Gopinathan
Prashant Garg

Internal Medicine

Archana Bhargav
Fazal Hussain

Optometry

K Aparna
J Ganesh Babu
Mukunda Chaitanya
Vibha R Chaudhury
Moneisha Gokhale
Preeti Gupta
V Harikrishna
Ajay Kumar
Anand Kumar
G Ravi Kumar
K Nagaraju
Jyothsna Naidu
Rishika Nigam
S Prabakaran
L Deepthi Reddy
M Jyotsna Reddy
P Sapna
Shuchi Singh
M Srinivas
K Jaya Vani
Anton Decruse Waanbah

**EDUCATION CENTRE
Director & Distinguished
Chair of Education**

G Chandra Sekhar

**LVP-Zeiss International
Academy of Advanced
Ophthalmic Education**

Sushma Tejwani

**Bausch & Lomb School
of Optometry**

Coen GA de Jong
M Srinivas

**Prof BRIEN HOLDEN EYE
RESEARCH CENTRE
Director and Distinguished Chair
of Eye Research**

D Balasubramanian

Jhaveri Microbiology Centre

Savitri Sharma
Usha Gopinathan
John Kenneth

**Saroja A Rao Immunology
Laboratory**

Savitri Sharma
Virender S Sangwan

**Kallam Anji Reddy Molecular
Genetics Laboratory**

Chitra Kannabiran
Subhabrata Chakrabarti
Inderjeet Kaur

Ophthalmic Pathology

Geeta K Vemuganti
Somasheila Murthy

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

Geeta K Vemuganti
Virender S Sangwan

**INTERNATIONAL CENTRE FOR
ADVANCEMENT OF RURAL EYE
CARE (ICARE)**

Praveen K Nirmalan
Rahul Kumar Ali
S Bhattacharya
Sheila Devi
Rohit Khanna
S Krishnaiah
V Rajashekar
N Rishita
S Sarvanan
B R Shamanna
Kovai Vilas
Jachin David Williams

Distinguished Chair of Eye Health
Gullapalli N Rao

Administration

Gangadhar Jayanty
Sam Balasundaram
Joji Prasad
Ghanshyam Singh
P Sreedevi

L V Prasad Eye Institute

Annual Activity Report - April 2005 to March 2006

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Foreword

Life at LVPEI is a process of learning, change and growth. In the last year we seem to have reached that critical point at which all our experience is crystallizing into definite shape.

Our network of centers is growing. The L V Prasad pyramidal model established in our home state is in the process of expansion. In keeping with our goal of a satellite center (or a partner) in each district of Andhra Pradesh, the Seshanna Chennawar Eye Hospital opened in Adilabad district and we have started construction for the Operation Eyesight Universal (OEU) supported Siloam Eye hospital in Madanapalle, Chittoor district. Tertiary care centers are nearing completion in Vizag and Bhubaneswar. Vizag (supported by OEU) will complement our services in the northern districts of Andhra Pradesh. Bhubaneswar Eye Research Institute (supported by OEU, Nava Bharat Ferro Alloys and BHP Billiton) will initiate the process of replicating the LVPEI pyramid in Orissa.

Training to equip these and other centers with competent human resources has become central to our work in Hyderabad. Entire teams from both hospitals – young professionals-in-the-making, including operating room technicians, nurses, administrators, counselors, and medical staff – have spent time at LVPEI watching and learning. These teams will return in June 2006 to begin work at their respective centers. We have also trained personnel from other secondary centers in the state and elsewhere; people who are going back to establish efficient and equitable systems in their own organizations.

Patient care services continue to expand and additional services such as round-the-clock emergency care and evening clinics allow us to function more effectively. A series of interactions with the public – the Patient Education Forum – has allowed us to generate a higher level of awareness. New services introduced include the Boston scleral lens, a boon to patients with otherwise intractable conditions like Stevens Johnson Syndrome. A clinic was set up in the Kismatpur campus to cater to people from the surrounding urban periphery as well as to provide better exposure to our optometry students.

LVPEI doctors now travel not only to deliver conference papers and participate in workshops and seminars, but also to transfer know-how to different parts of the world where eye care expertise is limited or difficult to access. Teams from the Institute have visited many countries in Asia, Africa, South America, and Middle East in order to better understand needs such that collaborative capacity building programmes can be put together. Work done at the Institute has been recognized in a variety of forums, ranging from best paper awards won by not only seasoned researchers but also young trainees on the threshold of their careers. Chairman of the Hyderabad Eye Institute



Board, Nag Rao, received the Prince Abdulaziz International Prevention of Blindness Award and the G B Bietti International Award for Prevention of Blindness, both for outstanding contributions to alleviating blindness in the developing world.

Research at LVPEI continues to conform to our twin goals of relevance and rigor. The diabetic retinopathy project, in collaboration with Lions Clubs International Foundation, was launched on World Sight Day 2005 by the President of India. Our stem cell research group has expanded with new equipment and additional laboratory space is planned. We are involved in a number of trials at the cutting edge of technology and ophthalmology. We also understand the need for field research to determine the conditions under which services will be accessed, the problems involved and possible solutions. Teams at ICARE are currently involved in operations research projects including the impact of children as peer and family educators and health education about diabetic retinopathy.



Our supporters continue to be generous. Dr K Anji Reddy, Chairman of Dr Reddy's Laboratories and Chairman of Hyderabad Eye Research Foundation, has pledged yearly support towards our endowment fund. Old friends, such as OEU and LCIF have initiated new connections this year; we continue to work with several INGOs and newer partners keep emerging. Ravi brothers continue to enhance their support each year. We have initiated the development of a 'District Model' of comprehensive eye health for 3 million people of Prakasam district covering all levels from community to tertiary care. It is with these new and renewed partnerships that we are able to forge the way forward.

In a way, this has been a year of simultaneous consolidation and expansion – of infrastructure, human resources, and partnerships. A year that has allowed us to do well at what we do best: teach, learn and share... eye care.

Ravi

Prof Ravi Thomas, MD

A year of achievements



Bhubaneswar Eye Institute



Visakhapatnam L V Prasad Eye Institute

Counting ... with a very few days to go ...

The President of India His Excellency Dr A P J Abdul Kalam will inaugurate Bhubaneswar Eye Institute on July 3, 2006

The Chief Minister of Orissa Mr Naveen Patnaik laid the foundation stone for Bhubaneswar Eye Institute (BEI) on January 16, 2005. The project received a major boost in October 2005 when BHP Billiton made a substantial donation towards BEI's non-paying and surgical services' infrastructure for the first year. BHP Billiton, the world's largest diversified resources company, supports many charities; LVPEI is the first Indian organization to receive such a substantial grant.

And some days later ...

Visakhapatnam L V Prasad Eye Institute outpatient clinic to function from July 7, 2006

The Chief Minister of Andhra Pradesh Dr Y S Rajasekhara Reddy laid the foundation stone for the state's newest tertiary eye care facility, the Visakhapatnam L V Prasad Eye Institute, on May 10, 2005. This facility will be part of the Health City planned by the Andhra Pradesh State Government in Visakhapatnam.

Both BEI and Vizag LVPEI will offer tertiary care as well as advanced training and ophthalmic specialization, including advanced cataract surgical services, corneal transplants, retina and vitreous surgeries, glaucoma, contact lenses, ophthalmic plastic and orbital surgery and children's eye care, in addition to rehabilitation services. Together the facilities will have the capacity to handle 100,000 outpatients and 20,000 major surgical procedures annually. Operation Eyesight Universal, Canada is supporting the first phase of development; major industrialists and individuals are also supporting the two institutes.

President of India at LVPEI

The President of India His Excellency Dr A P J Abdul Kalam visited LVPEI on October 15, 2005, to participate in an event co-organized by VISION 2020: The Right to Sight – India Forum and Lions Clubs International Foundation to coincide with World Sight Day celebrations. The President launched the following sight-saving programs: Andhra Pradesh Child Eye Health Initiative, Lions Diabetic Retinopathy Program, Sight for Kids and Sight First II Programs. The Governor of Andhra Pradesh His Excellency Sushil Kumar Shinde and Chief Minister of Andhra Pradesh Dr Y S Rajasekhara Reddy were also present, along with a host of other dignitaries.

Dr Kalam stressed the need for sustained action to prevent avoidable blindness and lauded LVPEI's concerted efforts that have made India a forerunner in blindness prevention activities. A small surprise awaited the President – a cake was kept ready to celebrate his birthday that fell on the same day! (See also page 24)



The President addresses the gathering at LVPEI on World Sight Day

LVPEI plays host to Vision CRC meeting

LVPEI was the venue for a review workshop of the Vision Cooperative Research Centre (Vision CRC), Australia, held from November 14-18, 2005. LVPEI is a core member of the Vision CRC, along with the Institute for Eye Research, International Centre for Eyecare Education – both of Australia and the Centre for Eye Research Australia of the University of Melbourne. The meeting brought together groups from around the world to plan future strategies in developing products to prevent myopia in children and to provide alternative solutions for short-sightedness and presbyopia.

The Vision CRC team was led by Prof Deborah Sweeney, CEO, and Prof Brien Holden, Deputy CEO, while the LVPEI team was led by Dr Virender Sangwan. In addition to the meeting, there were lectures by Vision CRC guest speakers, a Writers' Workshop and a presentation and workshop on orthokeratology.



The Vision CRC meeting in progress

LVPEI is a core member of the Vision CRC, along with the Institute for Eye Research, the International Centre for Eyecare Education – both of Australia, and the Centre for Eye Research Australia, at the University of Melbourne.

20th Vision Centre inaugurated

Our first two Service Centres (secondary care) now have a full complement of 10 Vision Centres each (primary care) attached to them. This is the first successful completion of this network anywhere.

Fourth & fifth Service Centres (secondary care) launched

Andhra Pradesh Finance Minister Mr K Rosaiah inaugurated the fourth satellite center of LVPEI, Seshanna Chennawar Eye Centre at Adilabad, Andhra Pradesh, India, on June 9, 2005. This is our second Service Centre in the district; the first was established at Mudhol and has now completed 10 years of service. Prof Ravi Thomas, Director, LVPEI, performed the groundbreaking ceremony for the new building of our fifth satellite Service Centre, Siloam Eye Hospital, on August 14, 2005. Dr Shoba Naveen established the hospital in 1996 in Madanapalle, in the southern district of Chittoor, Andhra Pradesh, with support from Operation Eyesight Universal. The hospital which is now functioning in a rented premises has become our satellite.



A team from the Lavelle Fund for the Blind, Inc., USA visited some of the vision centres: John J McNally, President and his wife; John J Caffrey, Treasurer; J Robert Lunney and his wife; Andrew S Fisher, Executive Director

Indian Eye Research Group annual meeting

The 14th annual meeting of the Indian Eye Research Group (IERG) was held July 30-31, 2005, at LVPEI. Of the 100 participants, 60 were registered external delegates from 10 institutions across the country. There were 6 paper sessions and 2 poster sessions in which a total of 41 free papers, 2 invited talks, a special oration and 35 posters were presented. Travel fellowships were given to 10 participants.



OEU global partners' meet

The global partners' networking meeting of Operation Eyesight Universal (OEU), Canada, was organized with support from LVPEI in Hyderabad from March 16-18, 2006. There were 32 participants from different countries, including Bangladesh, Kenya, Rwanda, Zambia, and Ghana. The meeting concluded with a Bharatanatyam dance ballet on the eye, 'Darshanam', by Dr Ananda Shankar and her troupe, followed by a banquet.

Distinguished Chair of Ophthalmology

The 'Dr Kallam Anji Reddy Distinguished Chair of Ophthalmology' has been set up in recognition of Dr Reddy's significant contributions towards the Institute's development. Dr Anji Reddy heads Dr Reddy's Laboratories and is Chairman of Hyderabad Eye Research Foundation, one of LVPEI's governing bodies. The Chair will be awarded to the incumbent Director of LVPEI and, consequently, Prof Ravi Thomas is the recipient now.

BBC documentary: Seeing is Believing

A BBC World documentary on 'VISION 2020: The Right to Sight' was telecast on October 8-9, 2005. The film includes an interview with Dr Gullapalli N Rao and is presented by Sir John Major, former Prime Minister, UK. The documentary, made to mark World Sight Day 2005, aims to raise awareness about avoidable blindness. It was sponsored by Standard Chartered Bank.

LVPEI observes Education Day

October 17th was a landmark day – the Institute celebrated Foundation Day and Education Day, and hosted the annual alumni meeting.

Education Day is observed every year to commemorate the Institute's training activities. This year's chief guest was Ms Sunita Narain, Director, Centre for Science and Environment, New Delhi. Prof V S Rao, Deputy Director, off-campus programs, Birla Institute of Technology & Science (BITS), Pilani, also graced the occasion. Drawing a parallel between her area of work and the mandate before the outgoing optometry fellows, Ms Narain said, "Your job is to make people see better and my job is to make sure that the world they see is a better place". (See on page 46)



Ms Narain presents an award to the best outgoing student Mr M Vinod Kumar

Foundation Day Celebrations

The Institute celebrated Foundation Day on October 17, 2005. Many sports and cultural events had been conducted as a run-up to the big day, with enthusiastic participation from all levels of the staff. The competitions included painting, *mehendi*, *antyakshari*, *rangoli*, volleyball, carrom, chess, tug of war, badminton, etc. The cultural activities showcased the artistic talents of LVPEI staff, students and trainees. Service certificates were presented to employees who had completed 5 years, 10 years and 15 years of service. Employee of the Year awards were presented, along with prizes to the winners of the sports and cultural competitions.

Personal Achievements

Prince Abdulaziz Prevention of Blindness Award for Dr Rao

Dr Gullapalli N Rao was presented with the 'Prince Abdulaziz International Prevention of Blindness Award' for his contribution towards prevention of blindness in the developing world. He received the award at the joint meeting of the VIII International Congress of the Pan Arab African Council of Ophthalmology and the XII UAE International Ophthalmic Conference of the Emirates Medical Association, held from April 7-10, 2005, at Dubai, United Arab Emirates.

G B Bietti International Award

Dr Rao was awarded the first 'G B Bietti International Award for Prevention of Blindness' by the Italian Society for Prevention of Blindness at the Italian Ophthalmological Society meeting on May 11, 2005, at Florence, Italy. He was honored for his outstanding contributions through the creation of systems and models for the alleviation of avoidable blindness among the most disadvantaged people in the world.

Institute videos win prizes at ASCRS

The Institute reaped a rich haul of prizes at the Symposium and Congress of the American Society of Cataract and Refractive Surgery (ASCRS) 2005, winning awards for best video film in four categories. The symposium was held from April 15-20, 2005, at Washington DC, USA. (See also page 30)

Recognition for Dr F C Kohli

Dr Faqir Chand Kohli, Chairman of our Hyderabad Eye Research Foundation, has been honored by the Indian Institute of Technology (IIT), Kanpur. He was conferred the title of 'Fellow of the Institute' at a ceremony held at IIT in February 2006. Dr Kohli, Founder and Chairman Emeritus of Tata Consultancy Services, Mumbai, is hailed as the Father of the Indian software industry.

Endowment lectures at LVPEI



Dr Syamala Bhaskaran lecture

The tenth Dr Syamala Bhaskaran Endowment Lecture on 'Age-related macular degeneration: Does surgery have a role?' was delivered by Dr G William Aylward on August 27, 2005. Dr Aylward is Consultant Vitreoretinal Surgeon and Medical Director at Moorfields Eye Hospital, London, UK. Prof Syamala Bhaskaran, pathologist and educationist, is a recipient of the B C Roy Award.

From left: Prof Thomas, Dr Rao, Dr Aylward, Dr Syamala Bhaskaran, Dr K Bhaskaran and Dr T Das



Pushkarlalji Tibrewala public lecture

Dr Prema Padmanabhan, Head of Cataract and IOL services, Sankara Nethralaya, Chennai, delivered the Late Pushkarlalji Tibrewala Public Lecture 2005 on eye donation, 'The sun shall not set' on October 8, 2005.

Mr O P Tibrewala felicitates Dr Padmanabhan after the lecture

Dr Rustom D Ranji Rotary Award lecture

Dr Shantha Sinha, Padmashri and Magsaysay awardee, trustee-secretary of MV Foundation and professor of political science at Hyderabad University, spoke to an audience of Rotarians and LVPEI family on 'Universalizing of education in India – Challenges' on November 3, 2005. Dr Sinha was this year's guest speaker for the Dr Rustom D Ranji Rotary Award and Lecture. Speaking out strongly against child labor, she said, "A country where nearly 90 million children of school going age drop out of the system, or simply do not have access to it, cannot be strong.... Democracy in its truest sense means equitable access to opportunities in education, health and livelihoods for all".

Alumni News



Prof Ravi Thomas speaks to the alumni and staff of LVPEI

Annual alumni meeting

The annual LVPEI alumni meet was held on October 17, 2005. The meeting began with a welcome address by Prof Ravi Thomas and an alumni update by Dr V S Sangwan. One of the program's highlights was an informal guest lecture by Dr Anji Reddy, Chairman, Dr Reddy's Laboratories. Dr Reddy is Chairman of Hyderabad Eye Research Foundation, one of LVPEI's two governing bodies.

There was a lively discussion on 'Core values in practice,' led by Dr Usha Raman, Editorial Consultant. The group tried to address issues like the meaning of equity, differing definitions of equity, and reconciling personal and professional value systems. Dr Gullapalli N Rao, Chairman, Hyderabad Eye Institute, spoke of LVPEI's future plans. The meeting included focused sessions on practice development and research fellowship.

Collaborations with alumni



Dr G N Rao and Mr M L Pachisia

Joint initiative in Kolkata

LVPEI has entered into a technical collaboration with Calcutta Medical Research Institute (CMRI), a 40-year-old, 300-bed multispecialty trust hospital, to initiate the Suryodaya Eye Centre. The objective is to make Suryodaya Eye Centre a tertiary care eye hospital with full training facilities. The MOU was signed by Dr Gullapalli N Rao and Mr M L Pachisia, managing trustee of CMRI in November 2005. The eye centre has a full complement of OPD facilities and two state-of-the-art operation theaters; the vitreoretinal service is one of its thrust areas. The centre has five ophthalmologists and is headed by Dr Bhaskar Roy Choudhury, former cornea fellow of LVPEI.

Tripartite agreement with Islamia Eye Hospital

A two-year tripartite agreement has been signed between Islamia Eye Hospital & M A Ispahani Institute of Ophthalmology, Bangladesh, and LVPEI with support from ORBIS International. This is the first such program in Bangladesh. The agreement was facilitated by LVPEI alumni Dr Abu Raihan, Acting Country Director, ORBIS International, Bangladesh country office, former glaucoma fellow Dr Syed A Hassan and Dr Shamima Islam (cornea and anterior segment fellows).



Dr G N Rao with Islamia Eye Hospital senior management staff

LVPEI has helped develop a 15-month fellowship in cornea and anterior segment at Islamia and will provide technical assistance during the agreement period. The fellowship program began in January 2006; there will be two candidates per year.

Shroff gets a helping hand

Dr Umang Mathur, former cornea fellow, is Medical Director of Dr Shroff's Charity Eye Hospital (SCEH). The hospital, set up in 1914 by Dr S P Shroff, was a nodal point for eye care in Delhi, particularly till the 1970s. Now, after a lean spell, it is reinventing itself with a help from LVPEI. The hospital has a large team of optometrists trained at LVPEI and SCEH will be working closely with the Institute in the areas of quality patient care, training programs for ophthalmologists and paramedics and community ophthalmology. Since 1914, SCEH has seen over five million patients and performed over 250,000 eye surgeries. SCEH's efforts to develop a world class pediatric ophthalmology unit are supported by ORBIS International.

MGM Eye Institute

MGM Eye Institute, a tertiary eye care center (in Raipur, Chattisgarh district), associated with LVPEI, has been operational since December 2004. At the core of MGM are six consultants, former fellows of LVPEI. They are Dr Deepshikha Agrawal (Director), cornea & anterior segment services; Dr Partha Mandal and Dr Soma Mandal, glaucoma services; Dr Sumeet Malhotra, vitreo retinal services; Dr Samrat Chatterjee, cornea & anterior segment services; and Dr Raman Mittal, ophthalmic plastic surgery, orbit & ocular oncology services.

During the year a total of 15854 patients were seen at MGMEI; of these 12781 were in the paying category and 3073 in the non-paying category. In addition to Chattisgarh, patients from Madhya Pradesh, Bihar, Orissa, Jharkhand and Uttar Pradesh come to MGMEI.

Milestones



Dr Sunil Singh

Precision Eye Care makes good progress: Precision Eye Care, a center of excellence in Lucknow set up in 1995 by Dr Sunil K Singh, former cornea fellow, continues to grow in strength. The operating facilities were modernized in 2005, with the inclusion of a state-of-the-art phaco machine, Bausch & Lomb Millennium microsurgical system and a Surgical Takagi OM-18 microscope. The center now has two fully functional ultramodern operation theatres.

Retinal services in Mumbai and Gujarat: Dr Gaurav Y Shah (former retina vitreous fellow) completed a Retina Research Fellowship at Jacksonville, Florida, USA, and has started practice at Gaurav Laser Academy, Varsha Nursing Home, Mumbai. He also launched retina services at SRL Netra Mandir, a charitable eye center at Ankleshwar, Gujarat. Dr Shah has been appointed Courtesy Assistant Professor at the Department of Ophthalmology, University of Florida, Jacksonville, USA.



Dr Das inaugurates Lall Eye Centre

Retinal services at Gurgaon: Dr Ashish Lall (former retina vitreous fellow) completed his DNB in January 2006 and launched Lall Eye Care Centre, an advanced center for vitreoretina, at Gurgaon, National Capital Region (NCR). The center was inaugurated by Dr Taraprasad Das on February 18, 2006.

Madras Retina Centre: Dr Ramanathan Balaji (former retina fellow) started the Madras Retina Centre at Chennai.

Recognition

Dr Biju Raju (former retina vitreous fellow) received Best of Show award for his video 'Initial Experience with True Bimanual Vitrectomy' on October 17, 2005, at the annual meeting of the American Academy of Ophthalmology 2005 at Chicago, USA. He was also the only speaker invited from India to attend the Retinal Education for Accessing Current Techniques (REACT) meeting at Shanghai, China, from September 20-22, 2005.

Dr Susmita G Shah (cornea & anterior segment fellow) won an 'Honorable Mention' for her poster at the fifth World Cornea Congress on April 13-14, 2005, at Washington, DC, USA. The poster was presented on all days of the American Society of Cataract and Refractive Surgery (ASCRS) conference from April 15-20, 2005, at Washington, DC, USA.

Former retina vitreous fellow **Dr Thomas Cherian**, Head of the Department (Ophthalmology), Little Flower Hospital, Angamaly, was awarded the Ben Gullison award by Operation Eyesight Universal, Canada, for leadership skills.

Former retina vitreous fellow **Dr Tinku Bali Razdan**, consultant at Sir Ganga Ram Hospital, New Delhi, has become assistant editor of 'DOS Times', the monthly journal of Delhi Ophthalmological Society, one of the widest circulated ophthalmic journals in North India. She invites contributions from all fellows.

Dr Ramesh Murthy, former oculoplasty, orbital diseases and ocular oncology fellow, completed a fellowship in pediatric ophthalmology and strabismus from Moorfields Eye Hospital, London, UK. He has joined LVPEI as Consultant in Pediatric Ophthalmology and Ophthalmic Plastic Surgery and Oncology.

Dr Swati Singhal, former cornea fellow, has taken over as Medical Director of Eye Bank Society of Rajasthan, the first community eye bank in India. She was the first surgeon to perform penetrating keratoplasty in private practice in Jaipur. She also won the gold medal in the Rajasthan Ophthalmic state conference for her paper on Rotational Autokeratoplasty in September 2005.

Dr K V Ravi Kumar, former comprehensive ophthalmology fellow, was selected for the International Council of Ophthalmology Fellowship. He is doing his fellowship in glaucoma at Hopital Ophthalmique Jules Gonin in Lausanne, Switzerland, under Dr Andre Mermoud.

All former long-term fellows of LVPEI are welcome to join the Alumni Association. Alumni news for inclusion in Quarterly and Annual Reports may be sent to alumni@lvpei.org



Dr Ravi Kumar with Dr Andre Mermoud

Hospital

The hospital continues to be the focal point of LVPEI's activities and we continue to get patients from all over India. The number of patients from abroad has increased: from countries as diverse as Australia and Zimbabwe. Our tiered payment system cross-subsidizes patients from all levels of society, as we continue to provide quality eye care at no cost to those less privileged.

The Ramayamma International Eye Bank addresses the problem of corneal blindness by working to enhance the country's eye banking systems through training, research, capacity building and advocacy, in addition to acting as national monitors for eye banks all across India. So also each of our subspecialty areas are constantly improving through continuing upgradation of knowledge, skills and infrastructure.

Towards the end of the year the Institute launched a new initiative – Public Education Forums focusing on issues that are of concern to the general public. The forums conducted till date addressed the following subspecialties: cataract, glaucoma, corneal transplant, contact lenses, LASIK, BoTox and diabetic retinopathy. The public were drawn into an open discussion through interactive sessions that followed presentations by experts from the relevant area. The Institute will continue to hold these fora on the last Sunday of every month.

We are constantly striving to serve the needs of specially vulnerable sections – such as children, the elderly, or the rural poor. This drives us to proactively develop new and better approaches for treatment and management of eye diseases. Simultaneously, continual upgrading of hospital facilities, equipment and skills ensures that patients receive state-of-the-art care comparable to the best in the world.

Last year, the patient care area of the Institute (mainly the lobby and reception) received a face-lift with advanced computer systems and appealing artwork by our artist-in-residence Sisir Sahana. A new partnership with GKB Optolabs, a nationwide chain of optical stores dispensing Zeiss prescription glasses, led to the setting up of a showroom at the Institute.



GKB Optical showroom at Institute



New reception area

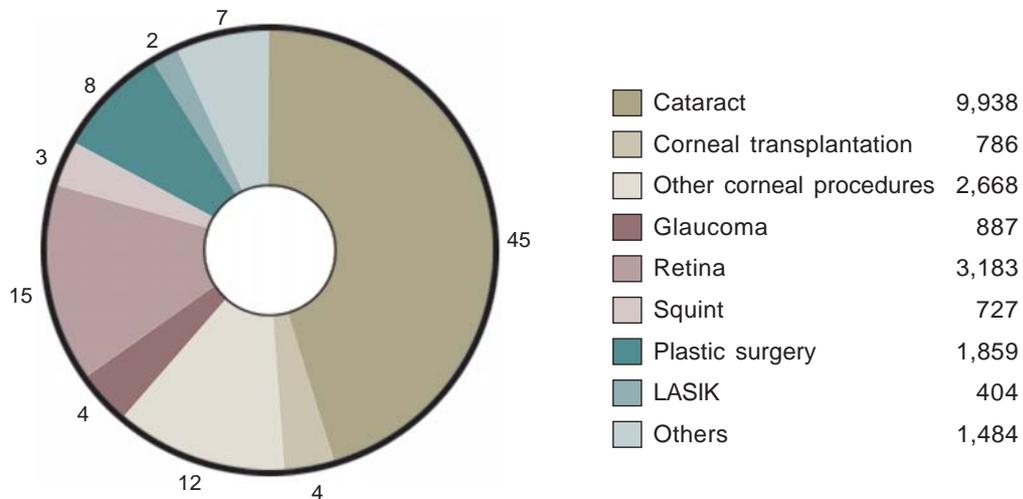
Patients from all over the world and across India



Performance Statistics

| Services | Paying | Non-paying | Total |
|---------------------|----------|------------|----------|
| Outpatient visits | 1,41,843 | 50,828 | 1,92,671 |
| Surgical procedures | 14,824 | 9,453 | 24,277 |

Analysis of surgical procedures (%)

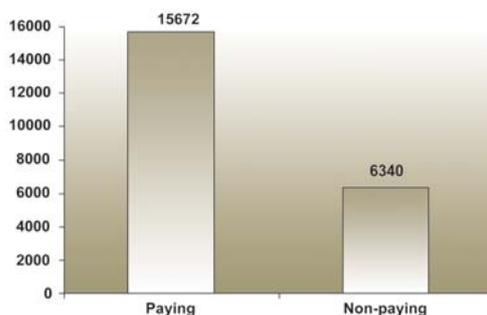


In addition, 2,341 children were examined and treated under anesthesia (EUA).

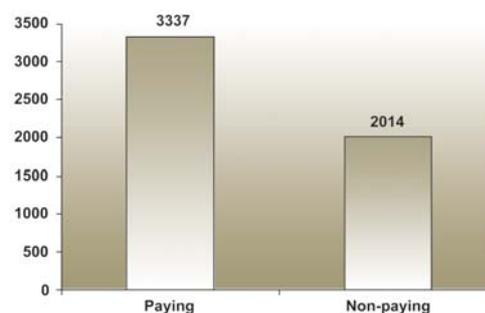
Jasti V Ramanamma Children's Eye Care Centre

Performance Statistics

Outpatient Visits 22,012



Surgical Procedures 5,351



Retinopathy of Prematurity (ROP) Program

In 1998, L V Prasad Eye Institute launched an ROP screening program in partnership with Hyderabad's leading neonatal intensive care units. This sight saving initiative has helped identify and treat ROP in scores of pre-term babies. During the year 898 babies were screened for Retinopathy of Prematurity. Of these 204 were treated with lasers. Pediatric retina surgery was performed on 536 babies and ROP surgeries on 22 babies. The low number of ROP surgeries is a measure of the success of the ROP screening program.

Ramayamma International Eye Bank

“Such a wonderful and beautiful eye shouldn’t ever lose vision! It should shine on in the world forever. That is why our family members decided to donate these lovely eyes for the good of society”. (An eye donor’s relative)

| | |
|--|---|
| Corneas collected (local & other eye banks) 1933 + 893 = 2826 | Corneal transplants performed at LVPEI 786 |
|--|---|

| | |
|---|--|
| Corneas given to ophthalmologists outside the Institute 631 | Corneal tissues used for research & training 1412 |
|---|--|

Programs under the ORBIS-ESI-LVPEI project

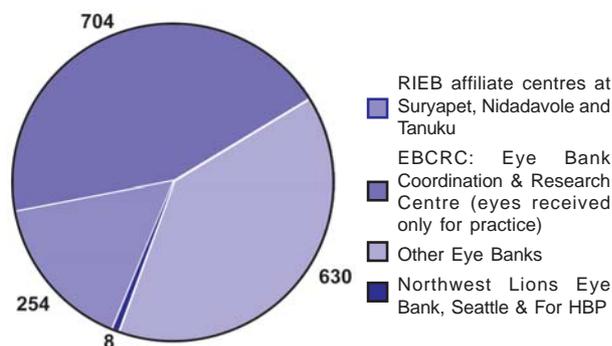
Zonal workshop: Organized on August 20, 2005, in collaboration with ORBIS, ESI, and EBAI and hosted by the Lions Superspecialty Eye Hospital, Bangalore.

20th National Eye Donation Fortnight: Observed between August 25 and September 8, 2005. Awareness material distributed to patients at multispecialty hospitals in Hyderabad. Slides were displayed in cinema theatres and on local TV channels.

Community Eye Banking Program

We provided 631 donor corneas to corneal surgeons outside LVPEI – within and outside Andhra Pradesh, as part of our community eye banking program.

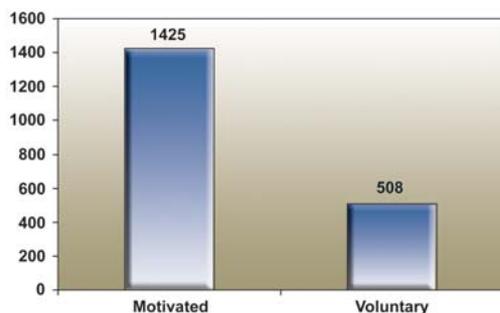
Tissues received from affiliate centres



Hospital Based Program on surgical skill transfer was organized at LVPEI from January 23-27, 2006, senior cornea fellows and 31 ophthalmologists from private and government hospitals in Andhra Pradesh participated. Dr Jonathan C Song, Director, CHLA Cornea & Refractive Surgery Research Center Children’s Hospital, Los Angeles, USA, was the voluntary faculty.

A Research Program exploring the possibility of increasing the donor pool from septicemic donors is being conducted in collaboration with Eye Sight International, USA, and the Bristol Eye Bank, UK.

Hospital Cornea Retrieval Program – 1933



The Hospital Cornea Retrieval Program is supported by the Lions Club of Hyderabad, Majestic; ORBIS International, USA; and the Eye Bank Association of India. This program enabled us to procure 1,425 donor corneas through the motivational approach in the following hospitals in Hyderabad: Nizam’s Institute of Medical Sciences, CARE Hospitals, and Osmania General Hospital.

Our Andhra Pradesh affiliates: Lions Club of Kamareddy, Kamareddy; Smt Rajeshwari Ramakrishna Lions Eye Hospital, Nidadavole; Sadhuram Eye Hospital, Hyderabad; Khammam Eye Bank, Khammam; Vasavi Club of Bibipet, Bibipet; Regional Eye Hospital, Warangal; MVR Eye Center, Tanuku; SRR Lions Eye Hospital, Palakol; Lions Club of Suryapet Eye Hospital, Suryapet; Ongole Eye Bank, Ongole; Sudharshini Eye Hospital, Guntur; Vasavi Club of Nizamabad, Nizamabad; Jaya (NGO based hospital), Warangal; Kakatiya Eye Clinic, Mahaboobnagar; Sri Sai Rupa Netralaya, Repalle; Lions Club of Bhadrachalam, Bhadrachalam; Lions Club of Bodhan, Bodhan; Lions Club of Karimnagar, Karimnagar; Mother Teresa Swachanda Seva Samathi, Kamareddy; Lions Club of Nizamabad, Nizamabad; Govt. Regional Eye Hospital, Kurnool; Renuka Netralaya, Guntur; Khammam District Police Eye Bank, Khammam; Govt General Hospital, Karimnagar; Rotary Eye Hospital, Vuyyur; Ajay Jyothi Free Rural Eye Hospital, Miryalguda; Dr Akbar Eye Hospital, Ananthapur; Vasavi Club of Siddipet, Siddipet; Shri Kotla Vijaya Bhaskar Reddy Indian Red Cross Society, Kurnool; Bharati Eye Hospital, Kadapa; SVRR General Hospital, Tirupathi; Railway Hospital, Guntakal; Lions Club of Medak, Medak; Rekurthi Eye Hospital, Karimnagar; Lions Club of Palvoncha, Palvoncha; Sukhabhogi Seva Samithi, Mancherial; Govt General Hospital, Guntur; Vasavi Eye Hospital, Nizamabad

Vision Rehabilitation Centres

Meera & L B Deshpande Centre for Sight Enhancement

Dr P R K Prasad Centre for Rehabilitation of Blind & Visually Impaired

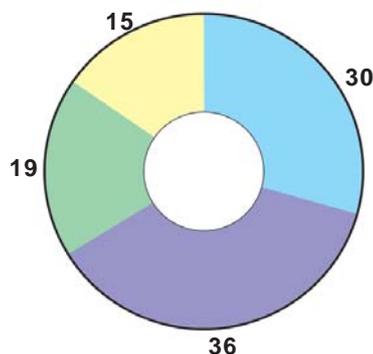
Our vision rehabilitation programs continue to reach out to those with incurable blindness and visual impairment, with the support of generous individuals and organizations. They include NRIs Sanjay Deshpande and family, Praveen and Sunita Gottipalli, the Church of the Latter Day Saints Charities of USA, Sir Ratan Tata Trust of Mumbai, and Zurich Financial Services of UK.

The Centres provide sight enhancement and rehabilitation services to children and adults to enable them to be productive and involved citizens. Our work in advocacy includes training eye care professionals through Low Vision Awareness programs and a short-term Low Vision Fellowship program. The low vision teams visited alumni sites across the country to evaluate the efficacy of the training programs and were heartened to find that low vision services and rehabilitation were gradually taking hold in most cities. A one-day brainstorming workshop held at LVPEI was attended by 25 alumni. The discussions led to changes in the training programs to include more elements of rehabilitation. The workshop also spurred the alumni to plan a group for networking to increase awareness about low vision services and rehabilitation for the visually impaired.

Meera & L B Deshpande Centre for Sight Enhancement

| Low vision care during the year | | Optical devices prescribed | |
|---------------------------------|------|----------------------------|-----|
| New patients | 1684 | Spectacles | 447 |
| Follow-up patients | 651 | Bifocals | 139 |
| Total | 2335 | Magnifiers | 561 |
| | | Telescopes | 163 |

| Age-wise analysis of patients (%) | | Non-optical devices prescribed | |
|-----------------------------------|--|--------------------------------|------|
| | | Reading stand | 130 |
| | | Reading lamp | 142 |
| | | Typoscope | 16 |
| | | Approach magnification | 1510 |
| | | Light control devices | 97 |
| | | Closed-circuit television | 04 |



| | |
|----------------|-----|
| Birth-15 years | 497 |
| 16-45 years | 615 |
| 46-60 years | 314 |
| 61 and above | 258 |

Dr P R K Prasad Centre for Rehabilitation of Blind and Visually Impaired

Rehabilitation Services

| | |
|---------------------------|------|
| Counseling | 2687 |
| * Special skills training | 274 |

Instruction in use of

| | |
|---------------------------------|------|
| • Assistive devices (computers) | 203 |
| • Low vision devices | 791 |
| Environmental modification | 1813 |
| Educational guidance | 532 |
| Vocational guidance | 182 |
| Supportive services | 2092 |
| Referral to other services | 114 |



Visually impaired children at the 'Camp for Fun'

*Includes motor skills, Braille, communication skills, cognitive skills, play and visual skills, orientation & mobility, home management, daily living skills & money identification

Community Eye Health & Outreach

International Centre for Advancement of Rural Eye Care (ICARE)

The concept of making eye care available, acceptable and affordable to even those that cannot pay is gaining ground in the developing world. LVPEI's pyramid of eye care has been accepted by the government of India and is one of the successful models quoted in VISION 2020: The Right to Sight 'State of the World's Sight' report for the period 1999 to 2005, brought out by the International Agency for the Prevention of Blindness (IAPB). And in the past year, LVPEI has been providing its expertise to IAPB in countries in the African continent, the Middle East and South America, as well as in the region and the subcontinent.

The tertiary training centers that offer solutions for the more complex eye problems constitute the second tier of the pyramid. LVPEI is currently developing two such centers in Bhubaneswar and Visakhapatnam that will be operational during mid 2006 in addition to helping in the capacity building of four other institutions in India and another six outside India.

The community eye health component of LVPEI has made rapid progress on all fronts during the past year, garnering support from international Non Governmental Organizations and funding agencies in further developing the concept of 'Vision Centres' (the fourth tier of the pyramid) for delivery of primary eye care, (one for every 50,000 people) in the underserved areas of the southern state of Andhra Pradesh (AP), India. The efforts have borne fruit, with 25 Vision Centres (VC) now reaching out to over 1.2 million people. Five more VCs will be set up before the end of the year.

The Mudhol and Toodukurthy eye centers (secondary service centres, forming the third tier of the pyramid) now have a full complement of 10 Vision Centres each. By the end of 2007 Prakasam and Adilabad districts of AP (3.0 million population approximately) will also have their full complement of service/secondary centres and Vision Centres. In fact, Prakasam district is being set up as a model district for comprehensive eye health with support from the Ravi brothers of California. This has already given us many new and unique opportunities to evolve models for the ultimate goal of combining 'excellence with equity' through high quality, comprehensive and sustainable approaches.

ICARE has already started the process of going deeper into the communities through 'Vision Guardians' – one for

every 5000 people. The vision guardians are envisaged as volunteers at the community level to 'keep an eye' on the eye health of the people. Training of these vision guardians has started in collaboration with self-help groups (SHGs). Ten vision guardians are linked to one Vision Centre, they are the fifth tier and form the base of the pyramid.

Education for community eye health professionals is continuing through our diploma programs, with plans for expansion of the diploma into a master's program gaining momentum. This is likely to happen soon. Training of personnel that operate the different centers being established all over the state also continues. Apart from ophthalmologists and optometrists, vision technicians who run the vision centers, personnel to cover operating rooms, nursing, administration and front offices, and field workers for secondary centers were trained not only at the Institute but also at the satellite centers. All these trainees are selected from within the communities where the centers are being established.

The ICARE group continues to look at ways and means of reaching people with quality and affordable eye care services through innovative approaches. Eye care financing through community self payments and empowerment is one such way.

Also, while trying to shift the paradigm from an output to outcome and to an impact-based service delivery system, ICARE now values getting into community development using eye care as an entry point to achieve its logical purpose of enhancing overall health and development or making poverty history.

On the research front, our community eye health group is addressing a whole range of diverse issues – health economics, operations research, and impact assessment of various interventions. In today's world, the best research is possible through collaboration and we are actively engaged in this effort with partners across the world. The results coming out of these endeavors should help in improving the overall approach to delivery of eye care at all levels for the most disadvantaged people on our globe. The focus of all these efforts is the provision of high quality, comprehensive eye care to all, in a sustainable manner.

A. Service Delivery

1. Village Vision

a. Community Assisted and Financed Eye Care (CAFE)

After four years of successful implementation in 16 villages of Nidadavole, Chagallu and Devarapalle mandals of West Godavari district of Andhra Pradesh, the Community Assisted and Financed Eye Care (CAFE) project was wound up in early 2006. CAFE was supported by Eye Sight International, Canada, as well as through funds generated by the community through a self payment approach. The utilization of services was as high as 70% and the subsidy to cover project costs was up to 30%. The findings of the project have been incorporated into the newer ongoing projects.

b. Providing Eye care through Empowered People (PEEP)

This project is an attempt to improve upon CAFE and use existing community based organizations and institutions for eye health financing activities. Under this self-financed eye care model anyone can register by paying a nominal fee of Re. 1 per month. Local self help groups (SHG) and community volunteers, called Vision Guardians, administer the scheme With support from ORBIS International, India country office, and technical input by Andhra Pradesh Mahila Abhivruddhi Society (APMAS), Hyderabad, along with our partner in Sargur, Swami Vivekananda Youth Movement (SVYM), the project is implemented in and around four mandals surrounding LVPEI's first satellite facility, Bhosle Gopal Rao Patel Eye Centre, Mudhol in Adilabad district. Vision guardians attached to the project also conduct community surveys and facilitate service delivery.

A MoU was signed between LVPEI and Thanur Mandal Samakya (TMS) of Velugu to work jointly on the PEEP project. LVPEI has trained 24 community activists of TMS as vision guardians. TMS members and project coordinators went on a two-day visit to the project area of the partner organization, Swami Vivekananda Youth Movement at Sargur, Karnataka.

A Rapid Assessment of Cataract Surgical Services project in the catchment area of Ichoda mandal of Adilabad district is under way. This will help us understand the magnitude of eye problems in this predominantly tribal area. A PEEP project will be initiated after the assessment.

Sight for Kids Project

The ICARE team has taken up the Sight for Kids Project, a collaborative program of Lions Clubs International Foundation (LCIF) and LVPEI, for training teachers of Government primary schools in Khairatabad and Shaikipet mandal and conducting school screening programs. The first Training of Trainers for Sight for Kids program was conducted on September 17, 2005, with 12 trainees from Lions Hospitals participating. The program was supported by Johnson & Johnson Ltd, Lions Sight First Project and LCIF.

ICARE completed the first phase of the 'Sight for Kids' school eye screening program for government primary schools in Hyderabad district. During the year 27 schools were covered under the project, 27 teachers were trained and 3,039 children screened. Treatment is extended free of cost at LVPEI for those identified with ocular ailments, and spectacles are also provided.

Child-to-Child and Child to Family Program

On October 27, 2005, in the hot and dusty environs of a rural school, 600 schoolchildren listened while their peers spoke about eye health and enacted a skit on eye care. A young girl sang a poem about the importance of vision; others wrote essays or painted their vision of what sight means.

The program at Ichoda village in Adilabad district was part of an effort to increase awareness about eye services. The ICARE staff motivate children to act as 'junior vision guardians'. They learn about basic eye hygiene and nutritional factors for avoiding major eye diseases, as well as how to conduct basic eye screening using a tumbling E chart. The Ichoda program is part of a larger project to be conducted in 11 centers around Andhra Pradesh where children will serve as catalysts for motivating communities to access eye health services.

ICARE won a competitive grant from the World Diabetes Foundation for an innovative health promotion and education initiative using the 'Child to Child and Child to Family' approach for prevention and management of diabetes at the community level that is being carried out in Prakasam district.

Community Eye Care (CEC)

| Survey | Satellites | Partners |
|---|------------|----------|
| Villages surveyed | 343 | 80 |
| Population covered through door to door survey | 60,972 | 7,193 |
| People referred for further eye examinations | 23,911 | 2,990 |
| Community Screening Programs | | |
| CSPs organised | 330 | 83 |
| People screened | 19,980 | 3,268 |
| Treated at venue | 2,833 | 656 |
| Prescribed spectacles | 6,162 | 1,386 |
| Referred to base hospital | 10,779 | 899 |
| Services offered at base hospital | | |
| People treated | 7,215 | 925 |
| Prescribed spectacles | 989 | 375 |
| Treated for other conditions | 1,618 | 146 |
| Surgeries performed | 2,382 | 483 |
| Diagnosed as irreversibly visually impaired/blind | 171 | – |

Primary Eye Care – Vision Centres

The Model District for eye care

The Lavelle Fund for the Blind, Inc., USA, has promised support for a total of 30 VCs in Prakasam district, Andhra Pradesh: 10 around the LVPEI satellite (secondary centre) Venkatalakshmi Eye Centre at Karamchedu, and 20 to be set up around another proposed secondary facility in Prakasam district.

The Comprehensive Eye Care Project, aimed at making Prakasam district a model community eye health and development project, has been building networks within the community. Dedicated social workers have completed a needs assessment study for eye care, as well as beneficiary and stakeholders assessment surveys, around the Karamchedu centre.

As part of the Comprehensive Eye Health Project at Prakasam district, the first village volunteers' training program was launched from December 27, 2005, at Bodavada village, Parchuru mandal, in which 11 volunteers participated.

| Vision Centres | Screening | Dispensed | Prescriptions | Referrals | % Compliance to Referrals |
|----------------|-----------|-----------|---------------|-----------|---------------------------|
| Achampet | 2754 | 384 | 58 | 750 | 38 |
| Amangal | 1479 | 260 | 55 | 229 | 19 |
| Bhainsa | 4885 | 1168 | 89 | 852 | 42 |
| Bizinepally | 1011 | 206 | 52 | 50 | 25 |
| Boath | 733 | 141 | 55 | 176 | 16 |
| Ghanapuram | 505 | 98 | 45 | 154 | 18 |
| Ichoda | 3256 | 910 | 90 | 649 | 38 |
| Indervelli | 1039 | 181 | 51 | 121 | 20 |
| Kallur | 1948 | 409 | 52 | 437 | 16 |
| Kollapur | 1463 | 324 | 44 | 367 | 22 |
| Kottakota | 2437 | 478 | 61 | 550 | 28 |
| Kubeer | 2532 | 523 | 67 | 486 | 18 |
| Lokeswaram | 678 | 156 | 68 | 278 | 26 |
| Nagarkurnool | 3432 | 727 | 6 | 805 | 35 |
| Nandipet | 2432 | 463 | 85 | 583 | 18 |
| Naveepet | 2990 | 684 | 69 | 904 | 17 |
| Tanur | 1119 | 264 | 68 | 312 | 41 |
| Telkapally | 882 | 87 | 69 | 263 | 26 |
| Utnoor | 488 | 62 | 48 | 83 | 35 |
| Wanaparthi | 3228 | 592 | 62 | 902 | 38 |

c. Secondary Eye Care – Service Centres

Satellite and Partner Centres

Service Centres, the next tier of eye care after Vision Centres, comprise secondary eye care centers that are either satellites of LVPEI or partner centers. Four new centres were added to the list, covering the districts of Adilabad, Srikakulam, Chittoor, and Kadapa during the year.

| Service Centres (Secondary Care) | Paying | | Non-paying | |
|--|-------------|-----------|-------------|-----------|
| | Outpatients | Surgeries | Outpatients | Surgeries |
| 1. Bhosle Gopal Rao Patel Eye Centre Mudhol, Adilabad District | 8,782 | 685 | 8,156 | 1,663 |
| 2. Kuchukulla Ramachandra Reddy Eye Centre Toodukurthy, Mahabubnagar District | 5,969 | 324 | 4,552 | 1,262 |
| 3. Venkata Lakshmi Eye Centre Karamchedu, Prakasham District | 3,577 | 272 | 4,405 | 1,026 |
| 4. Seshanna Chennawar Eye Centre Adilabad | 2,854 | 84 | 1,112 | 483 |
| 5. Siloam Eye Hospital Madanapalle, Chittoor District | 12,927 | 354 | 913 | 235 |
| 6. Arogyavaram Eye Hospital & Contact Lens Clinic Sompeta, Srikakulam District | 35,585 | 2,553 | 2,425 | 1,058 |
| 7. Mullapudi Venkatarayudu Eye Centre Tanuku, West Godavari District | 8,270 | 635 | 1,533 | 254 |
| 8. Smt. Rajeshwari Ramakrishnan Lions Eye Hospital , Nidadavole, West Godavari District | 12,856 | 1,003 | 12,507 | 3,155 |
| 9. St. Gregorius Balagram Eye Hospital Yacharam, Ranga Reddy District | 2,737 | 83 | 1,795 | 510 |
| 10. Suryapet Lions Eye Hospital Suryapet, Nalgonda District | 3,673 | 302 | 17,879 | 1,365 |
| 11. The Rotary Eye Hospital Proddatur, Kadapa District | 4,789 | 541 | 5,626 | 1,684 |
| Hyderabad Partner Centres | | | | |
| 1. Balanagar Lions Eye Hospital , Balanagar | 8,739 | 237 | 2,963 | 227 |
| 2. Kishore Chand Chordia Eye Centre , Begum Bazar | 3,905 | 137 | 7,320 | 809 |
| 3. M S Reddy Lions Eye Hospital , Moula Ali | 6,430 | 352 | 5,507 | 1,147 |

Satellite centres

The three satellite centres at Mudhol, Thoodukurthy and Karamchedu received a Yag laser, phacoemulsification and vision field testing equipment from Christian Blinden Mission (CBM) and Operation Eyesight Universal (OEU). This would help enhance the services they provide in their target areas.

2. Hyderabad Outreach Urban Slums Eye care (HOUSE) Program

The HOUSE programme reached out to many more in urban and suburban Hyderabad this year. With the setting up of the LVPEI-Kismatpur Eye Clinic with support from Operation Eyesight Universal, Canada, at the Bausch-Lomb School of Optometry, the population in that part of suburban Hyderabad are now served. This clinic also gives an opportunity to the optometrists at the B&L School to observe the working of a eye clinic.

LVPEI Urban Vision Centres

| Vision centres | Screening | Prescriptions | Referred to base hospital |
|---|-----------|---------------|---------------------------|
| LVPEI-VST Vision Screening Centre, Ramnagar | 8,276 | 2,117 | 1,400 |
| LVPEI-Kismatpur Eye Clinic, Hyderabad | 679 | 211 | 124 |

Surveys

| | |
|--|--------|
| Slums surveyed | 11 |
| Population covered through door to door survey | 12,307 |
| People referred for further eye examinations | 2,213 |

Community Screening Programs

| | |
|---------------------------|-------|
| No. of CSPs organised | 71 |
| No. of people screened | 8,671 |
| Treated at venue | 1,266 |
| Prescribed spectacles | 3,512 |
| Referred to base hospital | 2,602 |



School Screening Programs

The LVPEI's HOUSE Program screened schools 23 in this year. Children identified with refractive errors will be provided with spectacles and those with other eye ailments will be treated at LV Prasad Eye Institute.

| | |
|-------------------------------------|-------|
| Schools screened | 23 |
| Children screened | 7,737 |
| Identified with eye ailments | 1,123 |
| Prescribed glasses | 94 |
| Treated for other conditions | 240 |
| Referred to base hospital | 515 |
| Social & educational rehabilitation | 35 |

LVPEI & Lakshmi Charitable Clinic CEC Programme, Narsingi village, Ranga Reddy district

| | |
|---------------------------|-------|
| People screened | 1,083 |
| Treated at venue | 184 |
| Prescribed spectacles | 130 |
| Referred to base hospital | 264 |

Venkata Lakshmi Eye Centre, Karamchedu

| | |
|------------------------------|-----|
| No. of schools screened | 5 |
| No. of children screened | 646 |
| Identified with eye ailments | 101 |
| Referred to base hospital | 101 |



B. Tertiary care training centres and capacity building

National

Shroff Charitable Eye Hospital, Delhi

LVPEI conducted a situational analysis for Shroff Charitable Eye Hospital, Delhi. Specific recommendations were provided for infrastructure and human resources development as well as operational systems. The objective was to create a high-quality tertiary ophthalmic facility which will cater to Northern India. Recommendations included developing the facility to provide training for ophthalmologists, optometrists, including vision technicians and other cadres of eye care personnel.

Suryodaya Eye Center, Calcutta Medical and Research Institute (CMRI), Kolkata, West Bengal

The Calcutta Medical and Research Institute, a Birla concern, has upgraded its eye department to the new 'Suryodaya Eye Center' with the help of LVPEI. LVPEI and CMRI have signed an MoU which will see the complete revamping of the eye care facility. New outpatient and surgical facilities have been designed and commissioned. LVPEI operational systems have been implemented. LVPEI has trained ophthalmologists, optometrists and other clinical and nonclinical personnel of CMRI. LVPEI will monitor the development and activities of the facility.

Little Flower Hospital, Angamaly, Kerala

The Little Flower Hospital (LFH), Angamaly, Kerala, is a tertiary eye care facility, which is associated with LVPEI as

a partner of Operation Eyesight Universal, Canada. LVPEI has redesigned the entire outpatient department of LFH and is in the process of restructuring the operating room complex. New operational systems have been implemented and the required personnel have been trained to complement the infrastructure development. This center is being developed to provide high-quality tertiary level eye care to all sections of the community in Southern India. This center will also serve as a training hub for southern India. Training of eye care personnel, including ophthalmologists, optometrists, vision technicians, nurses and technicians will be an integral role of LFH.

MGM Eye Hospital, Raipur, Chattisgarh

LVPEI has been involved with the MGM Eye Hospital, Raipur, Chattisgarh, from the planning stages. Technical assistance was provided in the designing, construction and equipping of the hospital. All the staff required for the functioning of the center were selected and trained by LVPEI. Operational systems and support services, from the outpatient department to the medical records department, including the purchase and accounts department are all along the lines of the LVPEI model. LVPEI continues to be associated with MGM as a partner of Operation Eyesight Universal.

International

Human resource development is one of three major strategies of IAPB's VISION 2020: The Right to Sight Program and a working group has been set up to synthesize human resource related initiatives into a coherent plan to stimulate activity and fill gaps. IAPB plans to develop one centre per region in training programs, which includes enhancing the strength of existing programs as well as creation of new ones.

Indonesia

A team from the **Cicendo Eye Hospital, Bandung, Indonesia**, came to LVPEI as part of a collaborative arrangement to develop human resources. Cicendo was selected because of the high magnitude of blindness and the population in the area, combined with a relative lack of training institutions for eye care services. The collaborative understanding also includes visits by LVPEI experts to Cicendo for situational analysis to formulate a comprehensive capacity building plan.

Cicendo is Indonesia's only government tertiary care eye hospital, but also handles primary and secondary eye care. It sees about 400 patients a day, including non-paying patients supported by private organizations or the government. Four ophthalmologists, one for a short term course and three others for a long term fellowship in all sub specialities came to LVPEI in January 2006. The training program was supported by the International Agency for the Prevention of Blindness and Carl Zeiss, Germany.

Bangladesh

A two-year tripartite agreement among ORBIS International, **Islamia Eye Hospital, Bangladesh**, and L V Prasad Eye Institute, Hyderabad was signed that aims at enhancing the quality of corneal services at Islamia Eye Hospital. This included development of a long-term cornea training course curriculum for Islamia; provide necessary technical assistance during the agreement period and provide cornea fellowship training to three ophthalmologists of Islamia.

An ICARE team also visited the **Grameen Kalyan Health Centers in Bangladesh** and proposed site for Prevention of Blindness Project activities from 16-19 August 2005 on OEU request to provide technical assistance in developing a high quality secondary facility through the current Grameen Kalyan health programs. During the visit the team conducted a detailed evaluation of the existing situation, including infrastructure, human resources and operational systems.

Ethiopia

ICARE conducted a situational analysis and needs assessment for setting up a secondary eye care facility in Nakempe town of Oromiya region of Ethiopia. A detailed evaluation of infrastructure, human resources and operational systems was conducted and a comprehensive capacity building plan developed. The project has been facilitated through the VISION 2020: The Right to Sight initiative, and is supported by the Four Acre Trust, UK.

The Bausch & Lomb Advanced Cataract Centre

Bausch & Lomb signed an MoU with LVPEI to provide technical collaboration for setting Advanced Cataract Centers in the country. The program commenced operation with the center at Bilaspur (MP) on July 1, 2005, and at Haldwani (UP) on September 12, 2005. Work is in progress at the other centers in Eluru (Andhra Pradesh) and Srigananagar (Rajasthan). Training of personnel from these centers was completed at LVPEI during the year.

Support to ORBIS India

Consultancy support to ORBIS India for evaluating their programs in Delhi and Nepal was undertaken. The ORBIS supported Eye Care Program Management course was convened between January and February; 15 managers from ORBIS partner facilities and other organizations were trained.

C. Education

Diploma in Community Eye Health

The fifth 6-month Diploma in Community Eye Health (DCEH) course concluded on June 25, 2005. The course included participants from Nepal, Zambia and different parts of India. Seventeen full-time students were declared successful. The sixth DCEH course commenced in January 2006, with 16 students, including two international students. Till date 53 full-time diploma candidates have been trained from India and across the world.

Community Development Institute

ICARE embarked on a 'Community Development Institute' initiative with support from OEU, Canada. A brainstorming

meet was held on March 15, 2006, bringing together 20 experts from across the country. The basic concept is using eye care as an entry point for comprehensive community health and development. The ICARE team visited the Comprehensive Rural Health Project, Jamkhed, and the Child Eye Care Trust field practice area, Mumbai.

ICARE conducted the first 'Eye care program management course' from July 4-23, 2005, in which 22 trainees from different parts of the country participated. The course was sponsored by ORBIS International, India Country Office.

ICARE conducted Government Paramedical Ophthalmic Assistants Refresher Courses, a program supported by the National Programme for the Control of Blindness, Andhra Pradesh. The participants were drawn from district hospitals from all over Andhra Pradesh.

D. Research

ICARE has initiated two research studies:

1. Impact of refractive error correction on visual functions of children aged 10 to 15 years
2. Using child-to-child and child-to-family communication as a strategy to improve utilization of eye care services

E. Community Eye Health Journal

Four issues (fifth to eighth) of the Community Eye Health Journal – Indian supplement were published under the aegis of VISION 2020 India Forum during the year. The journal was distributed to almost 5000 people all over the country and countries such as Pakistan, Nepal, Zambia and Bangladesh.

Capacity Development Project for Management of Diabetic Retinopathy

Diabetes and blindness are a major public health problem in India. In order to tackle the problem of diabetic retinopathy in Andhra Pradesh, India, L V Prasad Eye Institute (LVPEI) has developed a capacity building program for 18 eye hospitals with support from Lions Club International Foundation (LCIF) for a three-year period. The major objectives of the Sight First (SF) 1141 project are to:

- ◆ create awareness regarding eye health and eye diseases associated with diabetes,
- ◆ provide comprehensive treatment for persons with diabetic retinopathy,
- ◆ build the capacity of partner hospitals by training personnel at various levels, and
- ◆ establish a dedicated training infrastructure at LVPEI.

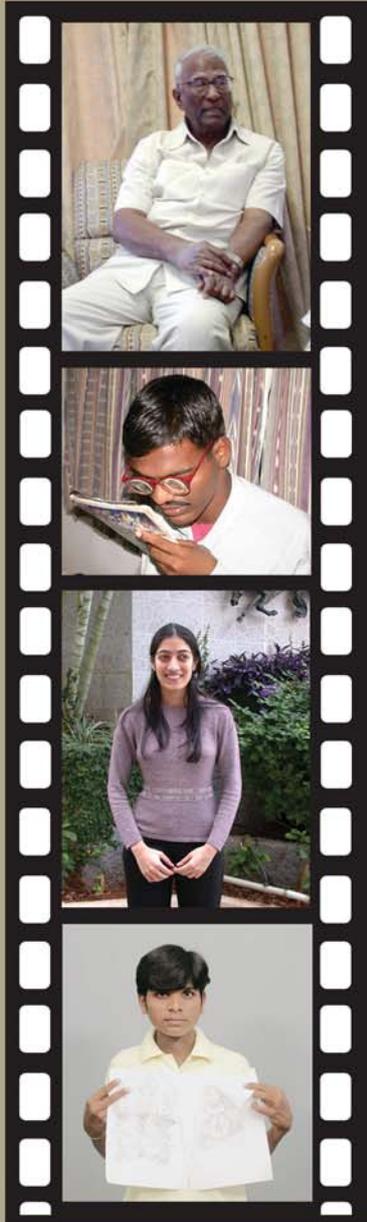
This project, launched in August 2005, was formally inaugurated by His Excellency, the President of India, Dr A P J Abdul Kalam on October 13, 2005. From August 2005 to March 2006, 33 screening programs were conducted and 4036 diabetic patients screened at hospitals and through outreach programs. Of these 3444 eyes were found to have diabetic retinopathy, treatment and management was advised accordingly. Three short-term fellows, 5 mid-level ophthalmic assistants and 14 community workers were trained under the project. Public awareness programs and press meets were held for healthcare providers in the project area.

Hospitals under the project: Bhosle Gopal Rao Patel Eye Centre, Mudhol; Lions Eye Hospital, Karimnagar; Lions Eye Hospital, Medak; Lions Eye Hospital, Meerpet, Hyderabad; Lions Eye Hospital, Palakol; Lions Eye Hospital, Suryapet; Lions Eye Hospital, Balanagar, Hyderabad; Lions Eye Hospital, Nellore; Ranga Reddy Lions Eye Hospital, Hyderabad; Venkata Lakshmi Eye Centre, Karamchedu; Lions Eye Hospital, Secunderabad; M Ram Reddy Lions Eye Hospital, Mahboobnagar; Operation Eyesight Universal, Shreeramnagar; Sadhuram Eye Hospital, Hyderabad; Sankara Nethralaya, Hyderabad; Lions Eye Hospital, Bodhan; Lions Eye Hospital, Dharmavaram; Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy



*His Excellency the President of India
Dr A P J Abdul Kalam signs the poster on
Diabetic Retinopathy to launch the program*

Patient Speak



What happens in the clinics and the theatres, from simple medical interventions to complex surgery to rehabilitation, is ultimately judged by its impact on the lives of the people who come here to seek vision care. The focus of everything we do - our expertise, our knowledge, our systems - is the patient, and his or her needs.



‘Impairment no barrier to success’

“I had a lot of difficulty in studying right from my primary school days because of my poor vision. I passed my tenth standard examination, after a lot of struggle. I used to worry about my poor vision and thought I would have to discontinue my studies. Then I happened to meet a doctor who advised me to go to L V Prasad Eye Institute.

The doctors at LVPEI threw light in my life like an oasis in a desert. The low vision professionals immediately identified my problem. They gave me a magnifying glass (stand magnifier). I gained tremendous confidence with this and was determined to continue my education and make my parents and doctors proud. I joined a college for doing BA, worked hard and even managed to win a gold medal.

With the same confidence I joined MA in Political Science at Kakatiya University, Warangal. I completed my first year with a good percentage (69%). I then did my B Ed. Now I am studying in MA second year.

I could achieve all this because of the encouragement and support given to me by the doctors at LVPEI, which helped me build my self-confidence. This was the turning point in my life.

I believe any kind of impairment does not pose a barrier to success. It is only a physical impairment, not of the mind. One can be successful if one comes out of the depression, accepts the condition and works hard to achieve one’s goals”.

Srinu Gullapally

Mogicherla Village, Geesukonda Mandal
Warangal 506 006, Andhra Pradesh, India



The low vision professionals say:

Gullapally Srinivas, 25, has been a patient of LVPEI since July 1996. He has hereditary macular degeneration that manifests itself as the person grows. Srinu is an only child; his father Rajendram is a daily wage earner. He wanted to major in organic chemistry but realized that doing practicals would be difficult with his visual problems.

On his first visit in 1996 he was given a 6x stand magnifier that enabled him to read fine print. He was so pleased with it that he calls it an extension of his body! In 2000 he was given a 2x hand-held telescope for boardwork. His reading speed and accuracy with these low vision devices improved tremendously. On his visit to the Institute in August 2005 he was presented with a better quality 9x stand magnifier.

Srinu wants to be a lecturer, and is confident that he can handle the students. He has had practice teaching sessions and receives a lot of support from friends. He says the medical advice, confidence and motivation he received here made all the difference. On his visit to the Institute he was also facilitated to access support services, such as government educational and travel concessions, which were of immense help to him.

Since he comes from an underprivileged background, Srinu was provided the low vision devices (LVD) at no charge. This was made possible because of the generosity of the Gottipalli family whose annual grant to the Vision Rehabilitation Centres helps LVPEI to give LVDs free of charge to economically underprivileged children and youth.

The spin kick in the twinkling of an eye



When Duvvuri Ganesh first walked into the Institute in June 2003 he was in pain; his eyes burned constantly and he could barely see with his right eye. But on May 3, 2006, when he strode into the Institute he was a changed man, full of confidence.

Ganesh has been a Taekwando coach since 1991. His academy is part of the Hyderabad Taekwando Association, affiliated to the Andhra Pradesh State Sports Board. He has trained 17 national players till date. He is married and has a little daughter.

Ganesh's vision was impaired from childhood. He had a cataract and had undergone operations on both the eyes between 1998 and 2003. His left eye was all right, but there was no vision in the right eye. Something had gone wrong during surgery and the cornea was damaged. He also had severe pain.

Not much could be done for him for some time, as doctors feared a reaction. Finally, in April 2006, LVPEI surgeons undertook a unique surgical procedure (sutureless endokeratoplasty) that restored Ganesh's vision and took away the constant pain. "The doctors at LVP have given me a new life. I am really thrilled, I now ride my bike and am back to coaching," says Ganesh. His vision continues to improve.

When asked to show us a typical 'jump spin kick', he immediately spun into action and, within seconds, delivered a power-packed kick that could have made its hapless recipient see stars!



Preoperative photograph of the right eye with poor vision and pain with watering



Postoperative photograph (7 days and 28 days) showing clearing of edema with relief of symptoms and increase in vision

Doctors explain

The cornea is like the lens of a camera; swelling reduces its transparency, leading to poor vision. The swelling may be caused by damage to a layer of cells on the back surface of the cornea, which otherwise acts as a pump to keep the cornea free of swelling. Till now, the only treatment was replacement of the entire layer of the cornea by a 'full thickness' corneal transplant from a donor's eye.

This procedure takes years to heal, and it can be several months to years before the best possible vision is achieved. Not only do the stitches create problems in the course of

healing, leading to discomfort and watering, but the cornea too is open to infection and rejection.

A new procedure called sutureless endokeratoplasty offers an alternative. Here a thin piece of donor corneal tissue is placed in the eye through a small incision, which helps clear the corneal swelling. Since extensive stitching of the cornea is not required, the eye heals quickly and spectacles are also less bulky. The small incision makes the surgery safer. The vision clears faster and the patient can resume normal activities within two weeks.

The Boston Scleral Lens – Sight for sore eyes



I'm a 35 year old man. Since childhood I have had itchy eyes, watering and an allergy to dust and heat. My eyes would be sticky when I got up in the morning and all red and itchy. But as time went by I got used to it – after all I was just 8-9 years old. Then came the breakthrough. It was a magic drug prescribed by a respected ophthalmologist in Madras. I was asked to administer these drops whenever my eyes felt sore. And the soreness would just vanish.

Things were fine for about 5-6 years. Then I went for a check-up with a noted doctor in Visakhapatnam. I was diagnosed with vernal conjunctivitis, cataract and corneal damage. This, he said, was because of excessive use of cortico steroids, what I had thought of as the magic drug. I was losing vision and had thick glasses which could correct only up to 20/33 or something. Well, I again got used to it for two years before I couldn't take any more.

I went to the United States for a triple procedure – corneal transplant, cataract removal and IOL implant. Things were fine till 1990 when I had a massive graft infiltrate; I needed another transplant to save the left eye. I also had a transplant on my right eye. After repeated epithelial defects and infiltrates, my eye was fitted with a bandage contact lens. I found it very comfortable because I had meibomitis. Since my tear ducts were closed I was continuously on lubricants.

Though I was comfy with the lens, my doctor was skeptical because the lens could cause secondary infection to the cornea. That's when she recommended a scleral

lens. I thought the lens would simply act as a shield to protect me from dust and keep my cornea safe. Little did I know that it would change my life forever!

When I first put on the lens I could not believe it. The vision was so crisp and clear that I started seeing things – literally. I would look at people and think, "Oh, this is how he looks". It was absolutely amazing. I took a deep breath and went for a drive in this traffic of Hyderabad – no problems there. I was also not disturbed by windy conditions. It was too good to be true.

My life was transformed from one of misery to one I never knew. I went on holiday and found myself in the pool, swimming easily with the lens firm and intact. Now I feel more confident and can do so many things a normal person would.

The lens, which is the size of a quarter or a 25-paise Indian coin, sits on the white part of the eye and creates a space where saline tears continually lubricate the eye. It looks like half of a ball. It took me a week to learn how to insert the lens and look after it, though the first attempts were a little uncomfortable. But the relief I felt once the lens was in was well worth the effort.

People talk of miracles. Well this is nothing short of it. I call it the Armor of God (Dr Rosenthal)! I'm very grateful to my ophthalmologist who recommended the lens and the staff for training me to use it. Not to mention Dr G N Rao who helped bring the Boston scleral lens to India.

Subramanyam Raju Alluri (Mani)

Early intervention offers hope in a complex case

A 16-day-old baby, Vikas* was brought to L V Prasad Eye Institute on September 23, 2004. Born almost a month premature by Caesarean section, he weighed only 2.7 kg.

Doctors at the Institute diagnosed the infant to have a full blown viral infection, which he had contracted in his mother's womb. This disease, known as congenital rubella syndrome, affects the eyes (cataract) and the heart (congenital defects) and also causes hearing impairment. Laboratory testing of blood was positive for rubella and cyto megalovirus (CMV). As if all this were not enough, the little one also had jaundice at birth.

Three days after he was born, the family noticed a white spot in the baby's eye and some mild discharge. They decided to bring him to LVPEI. On examination, little Vikas was found to have microcornea (a very small cornea), congenital cataract, and blockage in the tear ducts (congenital NLD block).

Vikas was also examined by an ENT surgeon and a cardiologist – he was diagnosed to have hearing impairment and heart defects. He needed to undergo immediate surgery to remove the cataracts so that he could begin to see. However, he was too weak to undergo surgery under general anesthesia.

A few days later, clearance was given for the surgery. On October 5th a consultant specialized in oculoplastics performed syringing and probing procedures to open up the flow of tear ducts.

On October 16th Vikas underwent cataract surgery in the left eye and on 23rd in the right eye. Because of the

microcornea and due to the presence of new vessels (abnormal blood vessels which bleed easily) in the iris, doctors were not sure if he would be able to see. But the surgery went well. The baby was prescribed spectacles one week after surgery and he could see the vision chart! The option of contact lenses was not feasible because of the extremely small size of the cornea.

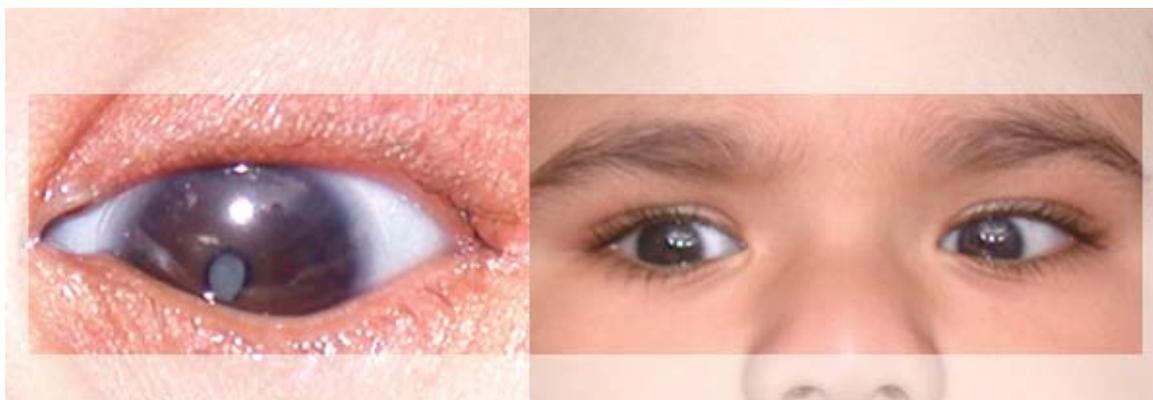
Vikas was evaluated for Retinopathy of Prematurity and for rubella retinopathy. Fortunately, his retina was not affected. The new vessels in the iris disappeared spontaneously over a period of time.

Little Vikas' parents were receptive to counseling about additional remedial measures like visual exercises and visual stimulation and were referred to our Vision Rehabilitation Centres. The baby had to learn to use spectacles and also underwent amblyopia therapy for stimulation of the 'lazy' eye.

His parents brought him to LVPEI for regular follow-up visits. As his eyes grew, the power of his spectacles changed. In March 2006 his corrected vision was 20/170, i.e., he could see more than six meters away.

Vikas is now two years old. He is a happy child, plays, smiles and can identify people. He picks up small things and does not knock into furniture while moving about. The parents say he behaves normally as far as visual functions are concerned. His developmental milestones are understandably delayed due to hearing and cerebral problems. Doctors hope that his vision and hearing will improve further as he grows.

*(name changed to protect privacy)



Baby Vikas — before surgery and after

Central Audio-Visual Unit

This year too videos produced by the Central Audio Visual Unit brought accolades to L V Prasad Eye Institute at the American Society of Cataract and Refractive Surgery 2005 Film Festival – we won four Best Video Film Awards. We also won an award at the film competition of the European Society of Cataract and Refractive Surgery for the third time in as many years and two awards at the prestigious video festival of the World Ophthalmic Congress, Sao Paulo, Brazil.

Film Festival of the American Society of Cataract and Refractive Surgery (ASCRS 2005) Annual Symposium and Congress, Washington, DC, USA. April 15-20, 2005

- Management of posterior lenticonus with cataract by Dr Nibaran Gangopadhyay, Dr Ekta Moda – First Prize, Cataract Surgery
- Epikeratoplasty for keratoglobus with mechanical lagophthalmos by Dr Merle Fernandes, Dr Aashish Bansal – First Prize, Refractive Surgery
- Ocular rosacea: Is it common or commonly overlooked? by Dr Nibaran Gangopadhyay – First Prize, Quality Teaching
- Giant epibulbar dermoid in newborns: How far can we go? by Dr Nibaran Gangopadhyay, Dr Milind Naik – First Prize, Special Interest

XXIII Congress of the ESCRS/ALCON Annual Video Festival, Lisbon, Portugal. September 10-14, 2005

Acute corneal hydrops treated by intracameral perfluoropropane gas by Dr Mittanamalli S Sridhar, Dr Sushmita G Shah – Second Prize for Innovation

World Ophthalmology Congress 2006, XXX International Congress of Ophthalmology, Sao Paulo, Brazil. February 19 - 24, 2006

- Intraocular cysticercosis by Avinash Pathengay, Soumyava Basu, Jalli Gangadhar, K Govardhan, Shobha Mocherla – First prize, Best General Films
- Epikeratoplasty for keratoglobus by Merle Fernandes, Aashish Bansal, Shobha Mocherla, Jalli Gangadhar, K Govardhan – First prize, Best Foreign Films

Videos Produced – 34

- Vitamin A and the eye (Patient education) in Sindhi language – Dr Nibaran Gangopadhyay, Dr Gullapalli N Rao
- LVP-Zeiss International Academy of Advanced Ophthalmic Education: An introduction (Completely re-edited with new footage, without generation loss)
- Two-stage management of thin-walled overhanging bleb with cataract – Dr A K Mandal
- Bimanual technique of cataract extraction with PC IOL implantation in a child with Sturge-Weber Syndrome – Dr A K Mandal
- Sutureless cataract surgery in a child with developmental cataract – Dr A K Mandal
- Membrane dissection in proliferative diabetic retinopathy with pre-macular fibrosis – Dr Ajit Babu Majji
- Surgical intervention for vitreo-macular traction and the role of optical coherence tomography in surgical planning – Dr Ajit Babu Majji
- ROP screening & management – Dr Subhadra Jalali
- Photocoagulation for diabetic macular edema – Dr Avinash Pathengay
- 25 Gauge sutureless vitrectomy – Dr Nazimul Hussain
- ROP screening & management – Dr Subhadra Jalali
- I am Ramu. Come watch how I live (final versions – in English, Hindi, and Telugu)
- Yes, I am blind. So what? (final versions – in English, Hindi, and Telugu)
- Retinoblastoma PSA (remake of Tucca PSA into Indian English) – CAVU
- Radio frequency tarsal wedge resection – Dr Milind Naik
- Choroidal neovascular membranes – Dr Avinash Pathengay
- Disc edema – Dr Avinash Pathengay & Dr Ramesha Kekunnaya
- The 'eyelid-lift' adjustable ptosis surgery – Dr Milind Naik
- Canalicular laceration repair with mono-canalicular (mini Monoka) intubation – Dr Milind Naik
- Diagnosis and management of acute retinal necrosis – Dr Avinash Pathengay
- Recovery & management of donor eyes (Re-edited) – Dr Usha Gopinathan
- A new, inverse technique for Cionni ring implantation – Dr Pravin Krishna
- See, believe & learn - stereoretinal photography – Dr Avinash Pathengay
- Blumenthal small incision cataract surgery with trabeculectomy in phacomorphic glaucoma – Dr Rohit Khanna, Dr Sushma Tejwani
- Intraocular cysticercosis – Dr Avinash Pathengay
- Penetrating keratoplasty: Learn the nuances – Dr Pravin V Krishna (2 versions)
- Management of traumatic graft dehiscence – Dr Pravin V Krishna
- Advertisement for Cataract Patient Education Forum in English – Dr Merle Fernandes
- Early intervention starting early, staying ahead: Communication development – M Sharmila Rao
- Advertisement for Cataract Patient Education Forum in Telugu – Ms Shobha Mocherla
- Early intervention starting early, staying ahead: Cognitive development – M Sharmila Rao
- A new, inverse technique for Cionni ring implantation - ASCRS 2006 version – Dr Pravin V Krishna
- Deep anterior lamellar keratoplasty using the big bubble technique in keratoconus – Edited for Dr Rajesh Fogla of Apollo Hospitals for ASCRS 2006
- Necrotising scleritis following pterygium surgery: A diagnostic dilemma - ASCRS 2006 – Dr Balasubramanya Ramamurthy & Dr V S Sangwan

Education Centre



We believe that it's not enough to know and to do, but it's important to share that knowledge and expertise, so that others may continue the tradition of seeking excellence in eye care. Our training programs have spanned specializations in eye care and its management, and range from the very short term to the comprehensive and long-term.



Education Centre



The training programs of the LVPEI Education Centre attract ophthalmologists and other eye care professionals from all over India and the world. This year we had participants from Australia, Bangladesh, China, Egypt, Germany, Indonesia, London, Malaysia, Nigeria, Pakistan, Saudi Arabia, Sri Lanka, Sultanate of Oman, Switzerland, USA, Vietnam and Zambia.

Contributions to the LVPEI's mission to build human resources in eye care continue to grow. This year the Dr Nawab Arastu Yar Jung Fellowship and Dr Nawab Arastu Yar Jung Memorial Lecture have been instituted at LVPEI through a generous donation by Dr Sajid Ali and his family. Dr Sajid Ali's grandfather Dr Abdul Hussain received the title of Nawab Arastu Yar Jung, when he became personal physician to the Nizam of Hyderabad. Dr Sajid Ali selected LVPEI as a deserving organization to set up an endowment in the Nawab's name.

The Fellowship will be awarded to the best student doctor undergoing a long-term fellowship program at LVPEI. The Endowment will support a bi-annual lecture on ophthalmology at the Institute.

The Ramayamma International Eye Bank continued to do well in its eye donation program and this was translated into more training programs and awareness seminars being conducted across the country. Training was provided to 13 eye bank technicians, 12 eye donation counselors, 16 ophthalmologists and 3 eye bank managers under the collaborative project on Eye Banking and Corneal Transplantation of ORBIS International, USA; Eye Sight International (ESI), Canada; and LVPEI.

The Education Centre also coordinated the training of candidates selected by the International Centre for the Advancement of Rural Eye Care (ICARE) for the two new tertiary care centers in Bhubaneswar and Visakhapatnam as also the secondary and primary eye care centers in the region. Training was imparted at LVPEI to front office personnel, counselors, ophthalmic nursing assistants, administrators, vision technicians, optometrists and ophthalmologists. This was a crucial year as the objective was to train these personnel by the middle of 2006.

This year too eminent guest faculty visited the Institute and shared their experiences and perceptions with the faculty and staff. Among them were Dr Jill Keefe, Chairperson, WHO Low Vision Working Group; Dr Maddy Ashwin Reddy from Moorfields Eye Hospital Trust; Dr Bob Stamper from the University of California; Prof Jan Lovie-Kitchin from the School of Optometry, Queensland University of Technology, Brisbane; and Dr Paul N Baird from the Centre for Eye Research Australia, Melbourne.

Notable among the general lectures at LVPEI during the year were talks on conflict management, gender sensitization, leadership, yoga, humor, and scientific writing.

Ophthalmology Training Programs

Cornea & Anterior Segment

| <i>Name</i> | <i>Place</i> | <i>Duration</i> | <i>Category</i> |
|--------------------------|--------------------------|-----------------|-----------------|
| Dr Susi Heryati | Bandung, Indonesia | 15 months | Long-term |
| Dr Ogundipe Ayobade | Ibadan, Nigeria | 15 months | Long-term |
| Dr Srikanth Kumar Sahu | Yacharam, Andhra Pradesh | 15 months | Long-term |
| Dr Vikas Mittal | Rohtak, Haryana | 15 months | Long-term |
| Dr R Muralidhara | Bangalore, Karnataka | 15 months | Long-term |
| Dr Parasappa Bandrakalli | Bellary, Karnataka | 15 months | Long-term |
| Dr Yunhai Jiang | Yunnan, China | 3 months | Short-term |
| Dr Kuntumalla Revathy | Kurnool, Andhra Pradesh | 3 months | Short-term |
| Dr Himanshu Solanki | Navsari, Gujarat | 3 months | Short-term |
| Dr C N Madhusudhan | Chikmagalur, Karnataka | 3 months | Short-term |
| Dr Prerna Upadhyay | Bhopal, Madhya Pradesh | 3 months | Short-term |
| Dr Manoj Kumar Gupta | Lucknow, Uttar Pradesh | 3 months | Short-term |

Glaucoma

| | | | |
|------------------------------|---------------------|-----------|------------|
| Dr Elsa Gustianty | Bandung, Indonesia | 15 months | Long-term |
| Dr Sachin Mungale | Baroda, Gujarat | 15 months | Long-term |
| Dr Harsha B L | Kolar, Karnataka | 15 months | Long-term |
| Dr Sanghamitra Das | Bhubaneswar, Orissa | 11 months | Long-term |
| Dr Sajedur Rahaman | Dhaka, Bangladesh | 3 months | Short-term |
| Dr Md Musharaf Hossain | Dhaka, Bangladesh | 3 months | Short-term |
| Dr Lt Col Md Jakaria Hossain | Dhaka, Bangladesh | 3 months | Short-term |
| Dr Zakia S Sahid | Dhaka, Bangladesh | 3 months | Short-term |
| Dr Mahmud Hasan | Dhaka, Bangladesh | 3 months | Short-term |
| Dr S M Magh | Agartala, Tripura | 3 months | Short-term |

Retina Vitreous

| | | | |
|-------------------------|---------------------------|-----------|------------|
| Dr Nishant Taneja (DNB) | Faridabad, Haryana | 24 months | Long-term |
| Dr Erwin Iskandar | Bandung, Indonesia | 15 months | Long-term |
| Dr H S Trehan | Jorhat, Assam | 15 months | Long-term |
| Dr Soumyava Basu | Bhubaneswar, Orissa | 11 months | Short-term |
| Dr Ram Kumar | Hyderabad, Andhra Pradesh | 3 months | Short-term |
| Dr Venkata Ramana Reddy | Nellore, Andhra Pradesh | 3 months | Short-term |
| Dr Paritosh Shah | Dahanu Road, Maharashtra | 3 months | Short-term |

Comprehensive Ophthalmology

| | | | |
|---------------------------|----------------------------|----------|------------|
| Dr Monica Prafulla Samant | New South Wales, Australia | 3 years | Long-term |
| Dr Bhupesh Bagga | Rohtak, Haryana | 3 years | Long-term |
| Dr Azad Gaurav Bansal | Gurgaon, Haryana | 3 years | Long-term |
| Dr Sachin Kumar Jain | Damoh, Madhya Pradesh | 3 years | Long-term |
| Dr Virendra Sachdeva | New Delhi | 3 years | Long-term |
| Dr Monisha Bhalla | Lucknow, Uttar Pradesh | 3 years | Long-term |
| Dr I S Murthy | Hyderabad, Andhra Pradesh | 3 months | Short-term |

Pediatric Ophthalmology

| | | | |
|-------------------------|-------------------------------|-----------|------------|
| Dr C K Meena | Angamaly, Kerala | 15 months | Long-term |
| Dr Mohammed Younas Khan | Peshawar, Pakistan | 3 months | Short-term |
| Dr P S Nagabhushanam | West Godavari, Andhra Pradesh | 3 months | Short-term |
| Dr Amrita Kapoor | Pune, Maharashtra | 3 months | Short-term |
| Dr Sohel Irfan Khan | Nanded, Maharashtra | 3 months | Short-term |

| <i>Name</i> | <i>Place</i> | <i>Duration</i> | <i>Category</i> |
|--|-------------------------------|-----------------|-----------------|
| Ophthalmic Plastic Surgery, Orbit & Ocular Oncology | | | |
| Dr Anirban Bhaduri | Kolkata, West Bengal | 15 months | Long-term |
| Dr Suryasnath Rath | Bhubaneswar, Orissa | 11 months | Long-term |
| Dr Savari Desai | Mumbai, Maharashtra | 6 months | Short-term |
| Dr Rishi Swarup | Hyderabad, Andhra Pradesh | 3 months | Short-term |
| Dr Shilpa Saikia | Jorhat, Assam | 3 months | Short-term |
| Ms V A Shijy | Thrissur, Kerala | 3 months | Short-term |
| Retina Laser | | | |
| Dr Sudhamathi | Hyderabad, Andhra Pradesh | 1 month | Short-term |
| Dr G R Reddy | West Godavari, Andhra Pradesh | 1 month | Short-term |
| Dr Mir Jafar Hussain | Bangalore, Karnataka | 1 month | Short-term |
| Dr Narendra Datti | Kolar, Karnataka | 1 month | Short-term |
| Dr Mridula Sunil | Palakkad, Kerala | 1 month | Short-term |
| Dr Joe Mathew | Allappuza, Kerala | 1 month | Short-term |
| Dr Tripti Mongia | Mumbai, Maharashtra | 1 month | Short-term |
| Dr Atit R Shah | Mumbai, Maharashtra | 1 month | Short-term |
| Dr Charu Mithal | Meerut, Uttar Pradesh | 1 month | Short-term |
| Phacoemulsification | | | |
| Dr Arunkumar C Pawar | Nanded, Maharashtra | 3 months | Short-term |
| Dr John Karth | New York, USA | 1 month | Short-term |
| Dr Mohamed Anwar Khalaf | Cairo, Egypt | 1 month | Short-term |
| Dr Thota Srinivasa Rao | Palakol, Andhra Pradesh | 1 month | Short-term |
| Dr M Rajendra | Kakinada, Andhra Pradesh | 1 month | Short-term |
| Dr T S Rao | Hyderabad, Andhra Pradesh | 1 month | Short-term |
| Dr Ritu Agarwal | Hyderabad, Andhra Pradesh | 1 month | Short-term |
| Dr Nandish S Shah | Kutch, Gujarat | 1 month | Short-term |
| Dr Rajana Sharma | Palwal, Haryana | 1 month | Short-term |
| Dr T M Muddappa | Bangalore, Karnataka | 1 month | Short-term |
| Dr Sudhaker Shivling Wagholikar | Satara, Maharashtra | 1 month | Short-term |
| Dr Mona Ingale | Nashik Road, Maharashtra | 1 month | Short-term |
| Dr A K Mishra | Bharuch, Uttar Pradesh | 1 month | Short-term |
| Retinopathy of Prematurity | | | |
| Dr Suparna | Visakhapatnam, Andhra Pradesh | 1 month | Short-term |
| Dr Rahul Verma | Neemuch, Madhya Pradesh | 1 month | Short-term |
| Dr Apurv Kotia | Neemuch, Madhya Pradesh | 1 month | Short-term |
| Dr Ashish Doshi | Mumbai, Maharashtra | 1 month | Short-term |
| Dr Vaishali Jadhav | Chennai, Tamil Nadu | 1 month | Short-term |
| Dr Devaraj | Coimbatore, Tamilnadu | 1 month | Short-term |
| Dr Ajay Kapoor | New Delhi | 15 days | Short-term |
| Dr Lekha | Coimbatore, Tamilnadu | 10 days | Short-term |
| Ms Kaleeswari | Coimbatore, Tamilnadu | 10 days | Short-term |
| Dr Anand Subramanyam | Mumbai, Maharashtra | 6 days | Short-term |
| Ms Geetavarsha Rao | Mumbai, Maharashtra | 6 days | Short-term |
| Manual Small Incision Cataract Surgery (MSICS) | | | |
| Dr B V Satyanarayana | Kakinada, Andhra Pradesh | 2 months | Short-term |
| Dr B Motilal | Rangareddy, Andhra Pradesh | 2 months | Short-term |
| Dr G Manjula | Guntur, Andhra Pradesh | 2 months | Short-term |
| Dr B Venkata Narasaiah | Khammam, Andhra Pradesh | 2 months | Short-term |
| Dr Bharat Kumar Jain | Kakinada, Andhra Pradesh | 2 months | Short-term |
| Dr K Ravisekhar Rao | Hyderabad, Andhra Pradesh | 2 months | Short-term |
| Dr A Shashikala | Hyderabad, Andhra Pradesh | 2 months | Short-term |
| Dr Rajiv Krishna | Guntur, Andhra Pradesh | 2 months | Short-term |
| Dr Ch Pulla Rao | Nalgonda, Andhra Pradesh | 2 months | Short-term |

| <i>Name</i> | <i>Place</i> | <i>Duration</i> | <i>Category</i> |
|---|-------------------------------|-----------------|-----------------|
| Manual Small Incision Cataract Surgery (MSICS) | | | |
| Dr K Raj Kumar | Warangal, Andhra Pradesh | 2 months | Short-term |
| Dr P S P Ravindra | Visakhapatnam, Andhra Pradesh | 2 months | Short-term |
| Dr K Trinadha Rao | Vizianagaram, Andhra Pradesh | 2 months | Short-term |
| Dr Saurabh Shrivastava | Ujjain, Madhya Pradesh | 2 months | Short-term |
| Dr S Nagaveni | Buldana, Maharashtra | 2 months | Short-term |
| Dr R K Duvesh | Jaffarpur, New Delhi | 2 months | Short-term |
| Dr Soumitra Choudary | Agartala, Tripura | 2 months | Short-term |
| Dr Ramesh Chander Lohani | Gorakhpur, Uttar Pradesh | 2 months | Short-term |

LVP - ZEISS Academy: Ophthalmic Diagnostics (1 month)

| | |
|-----------------------------|-------------------------------|
| Dr Shirisha | Kurnool, Andhra Pradesh |
| Dr Padmaja | Kurnool, Andhra Pradesh |
| Dr V Surya Narayana | Kakinada, Andhra Pradesh |
| Dr M R Madhavi | Khammam, Andhra Pradesh |
| Dr P Anitha Reddy | Khammam, Andhra Pradesh |
| Dr Suchitra M | Visakhapatnam, Andhra Pradesh |
| Dr P Mridula | Visakhapatnam, Andhra Pradesh |
| Dr Sudhira Buddharaju | Visakhapatnam, Andhra Pradesh |
| Dr Siva Charan | Guntur, Andhra Pradesh |
| Dr Venkatesh Babu S | Guntur, Andhra Pradesh |
| Dr Madhuri | Guntur, Andhra Pradesh |
| Dr Kalavathi Bai | Guntur, Andhra Pradesh |
| Dr K Prasad | Guntur, Andhra Pradesh |
| Dr Sireesha | Guntur, Andhra Pradesh |
| Dr Vidya Mahadevappa | Mysore, Karnataka |
| Dr Roopa | Mysore, Karnataka |
| Dr Kaushik Hedge | Belgaum, Karnataka |
| Dr Binodini Patra | Belgaum, Karnataka |
| Dr Pallavi Tukkar | Belgaum, Karnataka |
| Dr Aravind B V Bhat | Belgaum, Karnataka |
| Dr Krishna Prasad Khandige | Mangalore, Karnataka |
| Dr Dinesh Saigal | Ashoknagar, Madhya Pradesh |
| Dr Hema Rawat | New Delhi |
| Dr Nirmalkumar Narsaria | Berhampur, Orissa |
| Dr Manmathkumar Das | Berhampur, Orissa |
| Dr Anuradha | Berhampur, Orissa |
| Dr Bishnu Prasad Sar | Berhampur, Orissa |
| Dr Ravindra Kumar Choudhury | Sambalpur, Orissa |
| Dr Prashant S Murhe | Sambalpur, Orissa |
| Dr Shiva Prasad Sahoo | Sambalpur, Orissa |
| Dr Prasanna P Sahoo | Sambalpur, Orissa |
| Dr P Vinod Kumar | Sambalpur, Orissa |
| Dr Anita Misra | Cuttack, Orissa |
| Dr Pragya P Mohanty | Cuttack, Orissa |
| Dr Bishnu Prasad Mishra | Cuttack, Orissa |
| Dr Kumari Krishna Patra | Cuttack, Orissa |
| Dr Sajib Kumar Kar | Cuttack, Orissa |
| Dr Siddhartha Shankar Ray | Cuttack, Orissa |
| Dr Puspallata Agroiyia | Cuttack, Orissa |
| Dr Nitin Jain | Dehradun, Uttaranchal |
| Dr Richa Singh | Varanasi, Uttar Pradesh |
| Dr Nitin Dua | Varanasi, Uttar Pradesh |
| Dr Gaurav Kumar | Varanasi, Uttar Pradesh |
| Dr Bhasker Reddy | Varanasi, Uttar Pradesh |
| Dr Kshama Pandey | Varanasi, Uttar Pradesh |

| <i>Name</i> | <i>Place</i> |
|-------------|--------------|
|-------------|--------------|

LVP - ZEISS Advanced Course in Ophthalmic Diagnostics (15 days)

| | |
|--------------------------|-------------------------------|
| Dr Do Hoang Ha | Hanoi, Vietnam |
| Dr Do Thi Ngoc Ha | Hanoi, Vietnam |
| Dr U Surynarayana Murthy | Visakhapatnam, Andhra Pradesh |
| Dr G Manjula | Guntur, Andhra Pradesh |
| Dr A Geeta | Kurnool, Andhra Pradesh |
| Dr Anjaneyulu | Kurnool, Andhra Pradesh |
| Dr Md Ather | Guntur, Andhra Pradesh |
| Dr I S V S Prasada Rao | Visakhapatnam, Andhra Pradesh |
| Dr Y Srinivas | Guntur, Andhra Pradesh |
| Dr Rajasekhar Pasumarthy | Guntur, Andhra Pradesh |
| Dr K Srinivasa Rao | Kakinada, Andhra Pradesh |
| Dr Joy Mukhopadhyay | Durgapur, West Bengal |

Preceptors

| | |
|--------------------|--|
| Ms Mitasha Marolia | University of New South Wales, Sydney, Australia |
| Ms Dilini Fonseka | University of New South Wales, Sydney, Australia |
| Mr D Tomlinson | University of New South Wales, Sydney, Australia |

Elective

| | |
|----------------------|--|
| Ms Courtney Flanagan | Rochester, USA |
| Dr Lisa C Olmos | Baylor College of Medicine, Houston, USA |

| <i>Name</i> | <i>Place</i> | <i>Subspecialty</i> |
|-------------|--------------|---------------------|
|-------------|--------------|---------------------|

Observership

| | | |
|-----------------------|------------------------------------|--------------------------------------|
| Dr Anil Nambiar | Moorfields, London | Cornea & Anterior Segment |
| Dr Sebastian Pious | Jeddah, Saudi Arabia | Cornea & Anterior Segment |
| Dr Swarupa Rani | Kadapa, Andhra Pradesh | Cornea & Anterior Segment |
| Dr Anil P Patil | Navsari, Gujarat | Cornea & Anterior Segment |
| Dr C Sailaja | Bangalore, Karnataka | Cornea & Anterior Segment |
| Dr Seema Jagdale | Pune, Maharashtra | Cornea & Anterior Segment |
| Dr Mala Bala Gopal | Chennai, Tamil Nadu | Cornea & Anterior Segment |
| Dr Kaushik Murali | Coimbatore, Tamil Nadu | Cornea & Anterior Segment |
| Dr L V Krishnam Raju | Hyderabad | Cornea & Anterior Segment & Glaucoma |
| Dr Preethi Naik | Bharuch, Gujarat | Glaucoma |
| Dr Manjula Hansaraj | Lucknow, Uttar Pradesh | Glaucoma |
| Dr Aarti Choudhry | Noida, Uttar Pradesh | Glaucoma |
| Dr David Francis | Melbourne, Australia | Corneal transplantation |
| Dr Mark Daniell | Melbourne, Australia | Corneal transplantation |
| Dr Norman Mendorea | Mangalore, Karnataka | Corneal transplantation |
| Dr Mihir Joshi | Visnagar, Gujarat | Hospital Administration |
| Dr Komal | Visnagar, Gujarat | Hospital Administration |
| Dr K Yogan | Kuala Lumpur, Malaysia | Retina Vitreous |
| Dr Prasanta Saikia | Jorhat, Assam | Retina Vitreous |
| Dr Anurag | Visnagar, Gujarat | Retina Vitreous |
| Dr Chekitan | Rohtak, Haryana | Retina Vitreous |
| Dr Jayant Shah | Mumbai, Maharashtra | Retina Vitreous |
| Dr Surbhit Choudhry | Noida, Uttar Pradesh | Retina Vitreous |
| Dr Debasis Bairagi | Korhata, West Bengal | Retina Vitreous |
| Dr Bhavan Oswal | Miraj, Maharashtra | Retina Vitreous |
| Dr Veena Patil | Jamshedpur, Bihar | Retina Vitreous |
| Mr Faheem Pathan Khan | Lotus College of Optometry, Mumbai | Low Vision & Prosthesis |
| Mr Atul Rathod | Lotus College of Optometry, Mumbai | Low Vision & Prosthesis |
| Ms Omeeta Gadda | Lotus College of Optometry, Mumbai | Low Vision & Prosthesis |
| Mr Prateek Desai | Lotus College of Optometry, Mumbai | Low Vision & Prosthesis |

| <i>Name</i> | <i>Place</i> | <i>Subspecialty</i> |
|---------------------------|------------------------------------|--|
| Observership | | |
| Ms Rajani Kothoor | Lotus College of Optometry, Mumbai | Low Vision & Prosthesis |
| Mr Rohit Konde | Lotus College of Optometry, Mumbai | Low Vision & Ocular prosthesis |
| Ms Sanyukta Awale | Lotus College of Optometry, Mumbai | Low Vision & Ocular prosthesis |
| Dr Vijay Bhatka | Mumbai, Maharashtra | Low Vision & Ocular prosthesis |
| Ms Korani Hiral | Lotus College of Optometry, Mumbai | Low vision |
| Ms Kavita Mani | Lotus College of Optometry, Mumbai | Low vision |
| Ms Nagma Kazi | Lotus College of Optometry, Mumbai | Low vision |
| Mr Daval Shah | Lotus College of Optometry, Mumbai | Low vision |
| Dr Avril Miranda | Mumbai, Maharashtra | Low vision |
| Dr Karmelita Satari | Bandung, Indonesia | Low vision |
| Dr Safala A Shroff | Mumbai, Maharashtra | Low Vision |
| Ms Sonal Narendra Shah | Mumbai, Maharashtra | Low Vision |
| Dr S Sambasiva Rao | Rajahmundry, Andhra Pradesh | Low Vision |
| Mr Naveen Tailor | Neemuch, Madhya Pradesh | ROP |
| Ms Manish Waghmare | Mumbai, Maharashtra | ROP |
| Dr Anup Shah | Nasik, Maharashtra | ROP |
| Dr Ajay Kapoor | New Delhi | ROP |
| Dr Arun Singh | Kolkata, West Bengal | ROP |
| Dr Delphine Rivier | Lausanne, Switzerland | Comprehensive Ophthalmology |
| Dr Tavcar Igor | Munich, Germany | All subspecialties |
| Dr Poonam Rohira | Mumbai, Maharashtra | All subspecialties |
| Dr Ashwini C Karanjgookar | Mumbai, Maharashtra | All subspecialties |
| Ms Pragati D Kadve | Mumbai, Maharashtra | Pediatric Rehabilitation |
| Dr Deepak Garg | Mumbai, Maharashtra | Pediatric ophthalmology |
| Dr Mihir Kothari | Mumbai, Maharashtra | Pediatric ophthalmology |
| Dr Dharmaratne | Colombo, Sri Lanka | Ophthalmic Plastic & Cosmetic Oculoplasty |
| Dr S Ali Raza Rizvi | Aligarh, Uttar Pradesh | Ophthalmic Plastic Surgery, Orbit and Ocular Oncology |
| Dr Vaijayanti Gadre | Pune, Maharashtra | Ophthalmic plastics & Neuroophthalmology |
| Dr Ratna Kumari N | Vizianagaram, Andhra Pradesh | Contact lens |
| Dr S Soujanya | Hyderabad, Andhra Pradesh | General ophthalmology |
| Mr Amarnath Marthi | Rochdale, USA | General ophthalmology |
| Dr Renu Dhasmana | Dehradun, Uttarakhand | Phacoemulsification |
| Dr Mukesh K Taneja | Mathura, Uttar Pradesh | Phacoemulsification |
| Ms Sobita Debnath | Dhaka, Bangladesh | Microbiology |
| Mr Kallappa | Bangalore, Karnataka | OR Techniques |
| Mr Mir Moushir Rahma | Dhaka, Bangladesh | Eye Bank |
| Mr Ch Vidya Sagar | Simhachalam, Andhra Pradesh | Eye Bank |
| Ms Vasanthi N Shah | Nashik, Maharashtra | Eye Bank |

Optometry Training Programs

The entrance examination and interviews for selection of candidates for the four-year B S Optometry course 2005 batch were held on July 20, 2005. List of candidates enrolled:

| <i>Name</i> | <i>Place</i> | <i>Duration</i> | <i>Category</i> |
|---|-------------------------------|---------------------|-----------------|
| Bachelor of Science in Optometry | | | |
| S Sandhya | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| Aarthi R Jude | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| Khuseeya Shareef | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| Ekta J Thakkar | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| Venkata Amarnath T | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| C Rebecca Sumalini | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| A Sneha | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| J Swathi | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| C Prashanthi | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| K Deepika | Hyderabad, Andhra Pradesh | 4 years | Long-term |
| Safiya Sultana | Warangal, Andhra Pradesh | 4 years | Long-term |
| Palle Mahitha | Mahabubnagar, Andhra Pradesh | 4 years | Long-term |
| V Swathi | Mahabubnagar, Andhra Pradesh | 4 years | Long-term |
| Daniel Prakash Ethakoti | Anand, Gujarat | 4 years | Long-term |
| D Deepali Ramesh | Nanded, Maharashtra | 4 years | Long-term |
| Naila Amreen S A Ali | Bilaspur, Maharashtra | 4 years | Long-term |
| Niharika Anupoju | Kolkata, West Bengal | 4 years | Long-term |
| Optometry Fellowship | | | |
| Ms Aruna | Madanapalle, Andhra Pradesh | 2 years | Long-term |
| Ms Prajakta P Prabhavalkar | Thane, Maharashtra | 2 years | Long-term |
| Mr Raman Srivastava | New Delhi | 2 years | Long-term |
| Ms Archana Choudhury | Dhenkanal, Orissa | 2 years | Long-term |
| Mr Rakesh Lohar | Chittorgarh, Rajasthan | 2 years | Long-term |
| Ms M S Sangeetha | Onnapuram, Tamilnadu | 2 years | Long-term |
| Mr Rakesh Kumar Pandey | Chitrakoot, Uttar Pradesh | 2 years | Long-term |
| Mr Aditya Thripathi | Sitapur, Uttar Pradesh | 2 years | Long-term |
| Mr Neeraj Kumar | Lucknow, Uttar Pradesh | 2 years | Long-term |
| Mr Subrata Roy | 24 Parganas (N), West Bengal | 2 years | Long-term |
| <i>Name</i> | <i>Place</i> | <i>Sponsor</i> | |
| Vision Technician (1 year program) | | | |
| Mr Venkateshwarlu P | Karamchedu, Andhra Pradesh | ICARE | |
| Mr Heera Lal | Karamchedu, Andhra Pradesh | ICARE | |
| Ms Suhasini | Karamchedu, Andhra Pradesh | ICARE | |
| Mr Lingesh | Karamchedu, Andhra Pradesh | ICARE | |
| Mr Chaitanya Kumar | Karamchedu, Andhra Pradesh | ICARE | |
| Ms Sita Devi | Nidadavole, Andhra Pradesh | ICARE | |
| Mr M Rajavardan | Nidadavole, Andhra Pradesh | ICARE | |
| Ms Vanaja | Yacharam, Andhra Pradesh | ICARE | |
| Ms Padmini Roja Ch | Visakhapatnam, Andhra Pradesh | LVPEI | |
| Mr Appanna G | Visakhapatnam, Andhra Pradesh | LVPEI | |
| Ms Laxmi D | Visakhapatnam, Andhra Pradesh | LVPEI | |
| Mr Srinivasa Rao P | Visakhapatnam, Andhra Pradesh | LVPEI | |
| Mr Amal Sharma | Sankara Deva Netralaya, Assam | ORBIS International | |
| Mr Nirranjan Bezbaruah | Sankara Deva Netralaya, Assam | ORBIS International | |
| Ms Sujatha Samal | BEI, Bhubaneswar, Orissa | LVPEI | |
| Ms Padmini Samal | BEI, Bhubaneswar, Orissa | LVPEI | |
| Ms Stabdhi Sundarey | BEI, Bhubaneswar, Orissa | LVPEI | |
| Ms Soumya Panda | BEI, Bhubaneswar, Orissa | LVPEI | |

| <i>Name</i> | <i>Place</i> | <i>Sponsor</i> |
|---|--------------------------|----------------------------|
| Vision Technician (1 year program) | | |
| Mr Shyam Sunder Nayak | BEI, Bhubaneswar, Orissa | LVPEI |
| Ms Kalyani Sahoo | BEI, Bhubaneswar, Orissa | LVPEI |
| Mr Bikash Kumar Samal | BEI, Bhubaneswar, Orissa | LVPEI |
| Mr Ronak Joshi | Jodhpur, Rajasthan | Sight Savers International |

The students who currently are in the Vision Technician course are

| | | |
|---------------------------|--------------|-----------------------|
| Mr Suresh P M | Kerala | ICARE (Yacharam) |
| Mr Raju N | Warangal | ICARE (Moula-Ali) |
| Ms Sreelatha B | Yenugonda | ICARE (RRLEH) |
| Mr Uttam H | Adilabad | ICARE |
| Mr Suresh D | Adilabad | ICARE |
| Mr Narahari S | Adilabad | ICARE |
| Mr Ganesh Kumar S | Adilabad | ICARE |
| Ms Jyothsna S | Adilabad | ICARE |
| Mr Ravinder K | Adilabad | ICARE |
| Mr Suresh N | Adilabad | ICARE |
| Mr Raj Kumar S | Adilabad | ICARE |
| Mr Bhasker G | Mahabubnagar | ICARE |
| Mr Mahesh M | Mahabubnagar | ICARE |
| Mr Vijaya Bhasker Reddy J | Mahabubnagar | ICARE |
| Mr J Narasimhulu | Madanapalle | ICARE |
| Ms Chhaya Sharma | Indore | OEU |
| Mr Yathihdra Yagnik | Hubli | MM Joshi Eye Hospital |
| Mr Jeevan | Bhubaneswar | ICARE |
| Mr Lingesh | Karamchedu | ICARE |
| Mr Arun Lal D Chaudari | Gujarat | OEU |

Other Eye Care Professional Training Programs

Participants in other training programs too undergo a rigorous learning schedule, which includes lectures and demonstration classes, presentations to peers, seminars, and hands-on experience. The Education Centre also trains operation room technicians and nurses, patient counselors, and maintenance.

The school trained 22 candidates in the one-year Vision Technician Program who completed their course in February 2005. The other group 20 students joined the program in August 2005. Vision technicians run the vision centres.

New Faculty

The new faculty for the Bausch & Lomb School of Optometry are Dr Shefali Parikh, ophthalmologist, and Mr A Baskar and Mr Y Vijay Kumar, optometrists.

Scholarships

The students who received scholarships this year are:

Batch 2002: Mr Jit Bahadur Ale, Mr Ravichandra, Ms Nisha Shirish, Ms Sethumathi, Ms Jaya Dantam

Batch 2003: Ms Aditi Desai, Ms Sen Paulami Ashoke, Mr Sumit Kumar, Ms Krupa Philip, Ms Sneha Kataria

Batch 2004: Mr G R Viswanathan, Ms K Swathi, Ms Ankita Agarawal, Mr K Sailesh, Ms Athira Rose

Batch 2005: Mr Ethakoti Danial Prakash, Ms V Swathi, Ms C Rebecca Sumalini, Ms Niharika Anupaju, Ms K Deepika

The highest ranked student of each batch received the Carl Zeiss scholarship.

| <i>Name</i> | <i>Place</i> | <i>Duration</i> | <i>Category</i> |
|---|-------------------------------|-----------------|-----------------|
| Diploma in Community Eye Health – 2006 | | | |
| Mr Saleh Said Salim Al Harbi | Muscat, Sultanate of Oman | 6 months | Short-term |
| Mr Patson Tembo | Lusaka, Zambia | 6 months | Short-term |
| Mr K Gopal | Hyderabad, Andhra Pradesh | 6 months | Short-term |
| Mr R Narender Reddy | Hyderabad, Andhra Pradesh | 6 months | Short-term |
| Mr A Rambabu | Khammam, Andhra Pradesh | 6 months | Short-term |
| Mr BP Panigrahi | Vizianagaram, Andhra Pradesh | 6 months | Short-term |
| Mr S Vasantha Rao | Srikakulam, Andhra Pradesh | 6 months | Short-term |
| Mr S Prasanna Kumar | East Godavari, Andhra Pradesh | 6 months | Short-term |
| Mr M Raghotham Reddy | Karimnagar, Andhra Pradesh | 6 months | Short-term |
| Mr M Sreenivasa Rao | Ongole, Andhra Pradesh | 6 months | Short-term |
| Mr B Ravi | Warangal, Andhra Pradesh | 6 months | Short-term |
| Mr C Dattatri Rao | Mahabubnagar, Andhra Pradesh | 6 months | Short-term |
| Mr K Arjuna Reddy | Chittoor, Andhra Pradesh | 6 months | Short-term |
| Mr S Janardhan Reddy | Nizamabad, Andhra Pradesh | 6 months | Short-term |
| Mr G Reddanna | Kadapa, Andhra Pradesh | 6 months | Short-term |
| Mr CG Bramhanandra Reddy | Anantapur, Andhra Pradesh | 6 months | Short-term |
| Mr Satish Shrestha (Module participant) | Kathmandu, Nepal | 2 weeks | Short-term |
| Low Vision Care | | | |
| Mr Ch Vidya Sagar | Visakhapatnam, Andhra Pradesh | 3 months | Short-term |
| Mr Radharaman Souche | Nashik, Maharashtra | 3 months | Short-term |
| Mr Deva Kumar | Mumbai, Maharashtra | 3 months | Short-term |
| Mr Deva Kumar | Chennai, Tamil Nadu | 3 months | Short-term |
| Mr Mukesh Kumar | Aligarh, Uttar Pradesh | 3 months | Short-term |
| Ms Nivedita Chakraborty | Kolkata, West Bengal | 3 months | Short-term |
| Mr Chandransu Hajra | Hoogly, West Bengal | 3 months | Short-term |
| Eye Bank Technicians | | | |
| Mr Shiv Shankar | Kurnool, Andhra Pradesh | 3 months | Short-term |
| Mr A Srinivas | Nellore, Andhra Pradesh | 3 months | Short-term |
| Mr Suresh Kalidas Solanki | Vadodara, Gujarat | 3 months | Short-term |
| Ms D Geetha | Pondicherry, Kerala | 3 months | Short-term |
| Mr Sudhir D Harshe | Nagpur, Maharashtra | 3 months | Short-term |
| Mr Satish Kumar | Mumbai, Maharashtra | 3 months | Short-term |
| Mr Aba Thokale Barikrao | Pune, Maharashtra | 3 months | Short-term |
| Mr Lokesh Chippa | Jaipur, Rajasthan | 3 months | Short-term |
| Mr Himmat Singh | Jaipur, Rajasthan | 3 months | Short-term |
| Mrs Renuga | Chennai, Tamil Nadu | 3 months | Short-term |
| Mr A Ramesh | Chennai, Tamil Nadu | 3 months | Short-term |
| Ms T Ajitha | Nagercoil, Tamil Nadu | 3 months | Short-term |
| Mr Subrato Mithra | Varanasi, Uttar Pradesh | 3 months | Short-term |
| Mr Surajit Das | Kolkata, West Bengal | 3 months | Short-term |
| Eye Donation Counsellors | | | |
| Mr Md Jahidul Islam | Dhaka, Bangladesh | 1 month | Short-term |
| Mr Pavan Kumar | Suryapet, Andhra Pradesh | 1 month | Short-term |
| Mr Azarruddin | Hyderabad, Andhra Pradesh | 1 month | Short-term |
| Mr Thankachan Thomas | Angamaly, Kerala | 1 month | Short-term |
| Mr Jagat Singh | New Delhi | 1 month | Short-term |
| Mr Murphin Raphael | New Delhi | 1 month | Short-term |
| Mrs Maria Sugirtha | Nagarcoil, Tamil Nadu | 1 month | Short-term |
| Ms I Lilly | Chennai, Tamil Nadu | 1 month | Short-term |
| Mr Pinaki Mitra | Kolkata, West Bengal | 1 month | Short-term |
| Mr Surajit Pal | Kolkata, West Bengal | 1 month | Short-term |
| Mrs Manashi Dey | Durgapur, West Bengal | 1 month | Short-term |
| Mr Jayanta Acharya | Katwa, West Bengal | 1 month | Short-term |

| <i>Name</i> | <i>Place</i> | <i>Duration</i> | <i>Category</i> |
|---|---------------------------|-----------------|-----------------|
| Eye Bank Managers | | | |
| Mr Mir Moshir Rahman | Dhaka, Bangladesh | 1 week | Short-term |
| Ms Ritu Mathur | Jaipur, Rajasthan | 1 week | Short-term |
| Mr Chandra Morrison | Nagarcoil, Tamil Nadu | 1 week | Short-term |
| Mr Murkala Natraj | Kolkata, West Bengal | 1 week | Short-term |
| Eye Bank Ophthalmologists Observership | | | |
| Dr Sathya Jagannadha Rao K | Hyderabad, Andhra Pradesh | 1 week | Short-term |
| Dr Manoj Kumar Gupta | Hyderabad, Andhra Pradesh | 1 week | Short-term |
| Dr Vikas Mittal | Hyderabad, Andhra Pradesh | 1 week | Short-term |
| Dr Susi Heryati | Hyderabad, Andhra Pradesh | 1 week | Short-term |
| Dr Srikanth Sahu | Hyderabad, Andhra Pradesh | 1 week | Short-term |
| Dr C Anand Kumar | Khammam, Andhra Pradesh | 1 week | Short-term |
| Dr Sanjay Sharad Divekar | Nashik, Maharashtra | 1 week | Short-term |
| Dr Ashwini Abhimanyu Patil | Pune, Maharashtra | 1 week | Short-term |
| Dr Savita Deokar | Pune, Maharashtra | 1 week | Short-term |
| Dr Sumit Mittal | Jaipur, Rajasthan | 1 week | Short-term |
| Dr Kamal Sehara | Jaipur, Rajasthan | 1 week | Short-term |
| Eye Bank Ophthalmologists Observership | | | |
| Dr Mahesh Agrawal | Jaipur, Rajasthan | 1 week | Short-term |
| Dr R Prema | Chennai, Tamil Nadu | 1 week | Short-term |
| Dr Rooshitha B Singh | Nagercoil, Tamil Nadu | 1 week | Short-term |
| Dr Roshi Singh | Siliguri, West Bengal | 1 week | Short-term |
| Dr Ramendu Ghosh | Balurghat, West Bengal | 1 week | Short-term |
| Dr Sekhar Sarkar | Katwa, West Bengal | 1 week | Short-term |
| Eye Care Program Management Course | | | |
| Mr Pathi Kumar M | Kakinada, Andhra Pradesh | 4 weeks | Short-term |
| Ms Shweta Chooramani | Hyderabad, Andhra Pradesh | 4 weeks | Short-term |
| Dr Santosh S D Moses | Hyderabad, Andhra Pradesh | 4 weeks | Short-term |
| Mr Pradeep Kumar K | Suryapet, Andhra Pradesh | 4 weeks | Short-term |
| Mr Jayanna B | Kadapa, Andhra Pradesh | 4 weeks | Short-term |
| Mrs Lakshmi PV | Guntur, Andhra Pradesh | 4 weeks | Short-term |
| Mr Vivek Pandey | Jalna, Maharashtra | 4 weeks | Short-term |
| Mr Deepak Singh | New Delhi | 4 weeks | Short-term |
| Mr Shreesh Pradhan | Dhenkanal, Orissa | 4 weeks | Short-term |
| Mr Manmohan Mohapatra | Kandamal, Orissa | 4 weeks | Short-term |
| Mr Dasarath Mohanta | Santhasara, Orissa | 4 weeks | Short-term |
| Mr Mohammed Gowth A | Madurai, Tamil Nadu | 4 weeks | Short-term |
| Ms Malleeswari D | Coimbatore, Tamilnadu | 4 weeks | Short-term |
| Mr Mukesh Bhatt | Noida, Uttar Pradesh | 4 weeks | Short-term |
| Mr Siva Prasad Masuna | Mudhol, Andhra Pradesh | 3 weeks | Short-term |
| Ms Madhuri Krishna P | Guntur, Andhra Pradesh | 3 weeks | Short-term |
| Ms Sushma Rana | Hyderabad, Andhra Pradesh | 3 weeks | Short-term |
| Ms Vanita Ganesh | Hyderabad, Andhra Pradesh | 3 weeks | Short-term |
| Mr Niranjana D | Hyderabad, Andhra Pradesh | 3 weeks | Short-term |
| Mr Venkatesh M Reddy | Hyderabad, Andhra Pradesh | 3 weeks | Short-term |
| Mr Didugu Kiran | Hyderabad, Andhra Pradesh | 3 weeks | Short-term |
| Mr Joby Kurien | Hyderabad, Andhra Pradesh | 3 weeks | Short-term |
| Mr BV Raghavulu | Hyderabad, Andhra Pradesh | 3 weeks | Short-term |
| Mr P Murali Naga Mohan | Hyderabad, Andhra Pradesh | 3 weeks | Short-term |
| Mrs Rama Lakshmi A | Hyderabad, Andhra Pradesh | 3 weeks | Short-term |
| Mr Shibu Mathew | Yacharam, Andhra Pradesh | 3 weeks | Short-term |
| Mr Pradeep Chandra Pathak | Bhella, Assam | 3 weeks | Short-term |
| Mr Dilip Kumar Das | Dispur, Assam | 3 weeks | Short-term |
| Mr Gadhavi Bharat | Dahud, Gujarat | 3 weeks | Short-term |

| <i>Name</i> | <i>Place</i> | <i>Duration</i> | <i>Category</i> |
|---|-------------------------------|-----------------|-----------------|
| Eye Care Program Management Course | | | |
| Mr Mahadev Swamy | Mysore, Karnataka | 3 weeks | Short-term |
| Ms Mary Sebastian | Angamaly, Kerala | 3 weeks | Short-term |
| Dr Mane Rajesh B | Kothapur, Maharashtra | 3 weeks | Short-term |
| Mr Sashikanta Das | Cuttack, Orissa | 3 weeks | Short-term |
| Ms Archana Kulkarni | Mount Abu, Rajasthan | 3 weeks | Short-term |
| Mr Arokiasamy T | Chennai, Tamil Nadu | 3 weeks | Short-term |
| Mr Vijay Bajpai | Kanpur, Uttar Pradesh | 3 weeks | Short-term |
| Mr Sankareswar Datta | Gobrapota, Nadia, West Bengal | 3 weeks | Short-term |
| Mrs Gita Datta | Gobrapota, Nadia, West Bengal | 3 weeks | Short-term |

| | | | |
|-----------------------------------|---------------------|--------|-----------|
| Eye Care Management Course | | | |
| Mr Kasuladeva Lokesh | Eye care management | 1 year | Long-term |
| Mr Rahgu Rama Sastry D | Eye care management | 1 year | Long-term |
| Ms Lakshmi D Ch | Eye care management | 1 year | Long-term |
| Mr Kiran P V | Eye care management | 1 year | Long-term |

Hospital Management Team Training Programs

Akira Eye Hospital, Rajahmundry, Andhra Pradesh

| | | |
|---------------------------|---------------------|--------|
| Mr Kasturi Venkata Chalam | Eye Care Management | 1 year |
|---------------------------|---------------------|--------|

Arogyavaram Eye Hospital, Sompeta, Srikakulam District, Andhra Pradesh

| | | |
|----------------------------|-------------------|----------|
| Mr Govind Raju Mahadasyam | Optician | 6 months |
| Ms Ruthvijaya Kumari Pulli | Patient Counselor | 1 month |
| Ms Krishnaveni Y | Patient Counselor | 1 week |
| Mr Satyam Nimmada | Patient Counselor | 1 week |

Bausch & Lomb Advanced Cataract Care, Eluru, Andhra Pradesh

| | | |
|--------------------------|------------------------|----------|
| Mr Koteswara Rao K | Biomedical Technician | 3 months |
| Ms Mohammad Munahar Jaha | Patient Counselor | 3 months |
| Mr Nageswara Rao T | Stores & MRD Assistant | 3 months |

Bausch & Lomb Advanced Cataract Care, Sri Ganga Nagar, Rajasthan

| | | |
|-------------------|------------------------------|----------|
| Mr Rajendra Singh | Biomedical Technician | 3 months |
| Mr Sanjeet Singh | Operation Theater Technician | 3 months |
| Ms Priyanka Ojha | Administrative Fellow | 3 months |
| Ms Alka Gakhar | Stores, Purchase & MRD | 3 months |
| Ms Manisha Kukkar | Patient Counselor | 3 months |
| Mr Sandeep Kumar | Male Nurse | 3 months |

Bausch & Lomb Advanced Cataract Care, Haldwani, Uttaranchal

| | | |
|-------------------|-------------------|----------|
| Ms Sheela Sijwali | Patient Counselor | 3 months |
| Ms Pushpa Karki | Patient Counselor | 3 months |
| Dr Arun C Pawar | Phaco Trainee | 3 months |

Bhubaneswar Eye Institute, Bhubaneswar

| | | |
|--------------------------|-------|--------|
| Ms Amita Rani Lenka | Nurse | 1 year |
| Ms Amita Manjara Pradhan | Nurse | 1 year |
| Ms Babita Sahoo | Nurse | 1 year |
| Ms Bhibusita Samal | Nurse | 1 year |
| Ms Kirtimayee Roul | Nurse | 1 year |
| Ms Laxmipriya Patanaik | Nurse | 1 year |
| Ms Mamata Rani Swain | Nurse | 1 year |
| Ms Kalyani Samal | Nurse | 1 year |

| <i>Name</i> | <i>Place</i> | <i>Duration</i> |
|---|------------------------------|-----------------|
| Bhubaneswar Eye Institute, Bhubaneswar | | |
| Ms Subhasree Patro | Nurse | 1 year |
| Ms Subhalaxmi Nayak | Nurse | 1 year |
| Ms Sasmita Das | Nurse | 1 year |
| Ms Subhashree Kar | Operating Room Assistant | 1 year |
| Mr Brajes Kumar Das | Operating Room Assistant | 1 year |
| Mr Suresh Kumar Rao T | Operating Room Assistant | 1 year |
| Mr Basanta Kumar Patanaik | Operating Room Assistant | 1 year |
| Ms Rashmita Kumari Dalai | Secretary | 1 year |
| Ms Sujata Mishra | Administrative – Fellow | 6 months |
| Mr Prince Jose Malithel | Administrative – MRD | 6 months |
| Ms Swarnalata Mohanty | Patient Counselor | 6 months |
| Ms Liza Samal | Patient Counselor | 6 months |
| Ms Lipika Sahoo | Patient Counselor | 6 months |
| Ms Pranati Swain | Patient Counselor | 6 months |
| Ms Suchitra Panda | MRD Assistant | 6 months |
| Mr Subrata Kumar Nayak | MRD Assistant | 6 months |
| Mr Rama Nandan Mishro | Stores & Purchase Assistant | 6 months |
| Mr Biplaba Mohan Acharya | Maintenance Technician | 6 months |
| Mr Prakash Kumar Nayak | Accounts Assistant | 6 months |
| Bilaspur Advanced Cataract Centre, Bilaspur, Chattisgarh | | |
| Mr Chandi Charan Bharati | Stores, Purchase & MRD | 3 months |
| Ms Akansha Samson | Patient Care Counselor | 3 months |
| Calcutta Medical Research Institute, Kolkata, West Bengal | | |
| Mr Sukanta Ghosh | Optometrist | 3 months |
| Mr Nabarun Kundu | Optometrist | 3 months |
| Ms Jhuma Ganguly | Patient Counselor | 3 months |
| Mr Subrata Kumar Biswas | Operation Theater Technician | 3 months |
| Ms Chaitali Biswas | Operation Theater Nurse | 3 months |
| Haldwani Advanced Cataract Centre, Haldwani, Uttaranchal | | |
| Ms Bushra Iram Baquriye | Patient Counselor | 3 months |
| Mr Madan Singh Bisht | Stores & MRD Assistant | 3 months |
| Mr Shishupal Singh Rana | OT Technician | 3 months |
| Mr Kala Singh Rana | Maintenance & Biomedical | 3 months |
| Indore Eye Hospital, Indore, Madhya Pradesh | | |
| Ms Kirti Rajendra Sharma | Nurse | 1 year |
| Ms Rajni Yogendra Sharma | Nurse | 1 year |
| Kishore Chand Chordia Eye Centre, Begum Bazar, Hyderabad | | |
| Ms Shobha Rani M | Nurse | 3 months |
| Operation Eyesight Universal (OEU) Program Manager Course | | |
| Dr Santosh S D Moses | Hyderabad, Andhra Pradesh | 5 months |
| Rajan Memorial Eye Hospital, Jalandhar, Punjab | | |
| Mr Rajinder Kumar | Observer, Administrative | 2 weeks |
| Rajavalli Radharaman Lions Eye Hospital, Palakol, West Godavari District, Andhra Pradesh | | |
| Mrs Beram Prasanna | Eye Care Management | 1 year |

| <i>Name</i> | <i>Place</i> | <i>Duration</i> |
|--|--------------------------------|-----------------|
| Seshanna Chennawar Eye Centre, Adilabad, Andhra Pradesh | | |
| Ms Md Meraj Parveen | Nurse | 6 months |
| Ms Anitha Pentamma Kondavar | Nurse | 6 months |
| Mr Srinivas Gatla | Patient Counselor | 3 months |
| Mr Gangadher S | MRD Assistant | 3 months |
| Mr Vittal Jamadhandi | Optician | 3 months |
| Mr Mahesh Babu Bala | OT Technician | 3 months |
| Mr Vittal W | Maintenance & Bio-Medical | 3 months |
| Siliguri Greater Lions Eye Hospital, Siliguri, West Bengal | | |
| Mr Anup Zimba | Eye Care Management | 1 year |
| St. Gregorious Balagram Eye Hospital, Yacharam, Andhra Pradesh | | |
| Mr Stheesh P Jacob | Administrative - Fellow | 1 year |
| Ms Bharathamma Y | OT Nurse | 3 months |
| Mr Md Mehaboob | OT Technician | 3 months |
| St. Joseph's Hospital, Kothamangalam, Kerala | | |
| Mr Devassia P V | Patient Counselor | 1 month |
| The Rotary Eye Hospital, Proddatur, Kadapa District, Andhra Pradesh | | |
| Ms Lalitha Mandala | Nurse | 6 months |
| Ms Beulah Veparala | Patient Counselor | 6 months |
| Mr Venkataramana Thute | Stores Assistant | 3 months |
| Venkata Lakshmi Eye Centre, Karamchedu, Prakasam District | | |
| Mr Srinivasa Rao J | OT Technician | 6 months |
| Mr Srinivasa Rao Kothagorla | Bio-Medical Technician | 6 months |
| Visakhapatnam L V Prasad Eye Institute, Visakhapatnam, Andhra Pradesh | | |
| Mr Nanda Kishore NC | Administrative – MRD | 6 months |
| Ms Sri Raja Rajeswari Doddi | Patient Counselor | 6 months |
| Ms Lavanya Sirikonda | Patient Counselor | 6 months |
| Ms Vani Satya Sudha Reddi | Patient Counselor | 6 months |
| Mr Rajesh Yadav Chatti | Patient Counselor | 6 months |
| Mr Akhil Kumar Toleti PSR | Operation Theater Technician | 6 months |
| Mr Veera Babu K | Operation Theater Technician | 6 months |
| Mr Boddu Srinivas | Stores & Purchase Assistant | 6 months |
| Training of Trainers of School Teachers of ORBIS Partners | | |
| Dr Arundhati C Bhonde | Pune, Maharashtra | 1 week |
| Mr Jeetesh Ratnakar Kharat | Pune, Maharashtra | 1 week |
| Mr Gadhavi Bharatkumar R | Dahod, Gujarat | 1 week |
| Mr Desai Isha Satishchandra | Dahod, Gujarat | 1 week |
| Mr Bhatiya Miral Hasmukhlal | Dahod, Gujarat | 1 week |
| Mr Abdul Rasheed | H D Kote, Karnataka | 1 week |
| Mr M P Ramesha | H D Kote, Karnataka | 1 week |
| Mr Jiby Mathew | Angamaly, Kerala | 1 week |
| Mr Vivek Pandey | Jalna, Maharashtra | 1 week |
| Ms Madhavi Pendela | Pedakakani, Guntur (AP) | 1 week |
| Ms Aruna Kumari E | Pedakakani, Guntur (AP) | 1 week |
| Ms Asha | Kakinada (AP) | 1 week |
| Ms Dadala Sesa Ratnam | Kakinada (AP) | 1 week |
| Ms Aruna Tirumalasetti | Kakinada (AP) | 1 week |
| Ms I D K Sowjanya | Tatiparthi, East Godavari (AP) | 1 week |
| Mr Gaddhala Sayanna | Mudhol (AP) | 1 week |
| Mr Chennupati Sitharamaiah | Karamchedu (AP) | 1 week |

| <i>Name</i> | <i>Place</i> | <i>Duration</i> |
|--|---------------|-----------------|
| Training of Trainers of School Teachers of ORBIS Partners | | |
| Mr Guduru Mahender | Yacharam (AP) | 1 week |
| Mr Gopala Prashanth Rao | Hyderabad | 1 week |
| Mr Narra Surendar Reddy | Hyderabad | 1 week |
| Mr Mamilla Shanker | Hyderabad | 1 week |
| Mr Dhanakeswar Rao B | Hyderabad | 1 week |
| Mr Ramakrishna G | Hyderabad | 1 week |
| Ms Ramya P | Hyderabad | 1 week |
| Mr Naveen Kumar B | Hyderabad | 1 week |
| Mr Mamidi Mallesh | Hyderabad | 1 week |
| Mr Venkateswarlu M | Hyderabad | 1 week |
| Mr Devulapalli Narender | Hyderabad | 1 week |
| Mr Padma Suman | Hyderabad | 1 week |
| Mr Manda Madhu | Hyderabad | 1 week |
| Mr Dayakar Reddy Y | Hyderabad | 1 week |
| Mr Ravikiran Kumar K | Hyderabad | 1 week |
| Mr Narender G | Hyderabad | 1 week |

**Capacity Development Project for the management of Diabetic Retinopathy in Andhra Pradesh
Community Eye Health workers Training Program (45 days)**

| <i>Name</i> | <i>Name of the Hospital & Place</i> |
|-----------------------------|---|
| Mr Thathaji Nandipati | Bollineni Eye Hospital & Research Centre, Dargamitta, Nellore |
| Mr Ramanjaneyulu Borugolla | Lions Eye Hospital, Chennakesarapuram, Anantapur District |
| Mr John Wesley Kabooji | Lions Eye Hospital, Medak |
| Mr Gopal Reddy Usham | Lions Eye Hospital, Rakasipet, Bodhan, Nizamabad District |
| Ms Jyothi G | Ram Reddy Lions Eye Hospital, Yenugonda, Mahaboobnagar District |
| Ms Sofia Rani Xavier | Dr Ranga Reddy Lions Eye Hospital, Secunderabad |
| Mr Venkateswarlu Valluru | M S Reddy Lions Eye Hospital, Moula Ali, Hyderabad |
| Mr Satyanarayana Neyigapula | OEU Lions Eye Hospital, Shreeram Nagar, Vizianagaram |
| Mr Satyanarayana GV | R R Lions Eye Hospital, Palakol, West Godavari District |
| Mr Nagesh Balasankula | Lions Club of Karimnagar, Rekurthi, Karimnagar District |
| Mr Pavan Kumar Ganta | Lions Eye Hospital, Suryapet, Nalgonda District |
| Mr Shelke Shyam | Bhosle Gopal Rao Patel Eye Centre, Mudhol, Adilabad District |
| Mr Venkataiah Komara | Kuchukulla Ramachandra Reddy Eye Centre, Toodukurthy, Mahaboobnagar District |
| Mr Srinivasa Rao G | Venkata Lakshmi Eye Centre, Karamchedu, Prakasam District |
| Mr Krishnamachary Erroju | Seshanna Chennawar Eye Centre, Adilabad |
| Mr Ushanna Battula | Seshanna Chennawar Eye Centre, Adilabad |
| Mr Rakesh Mukeer | Seshanna Chennawar Eye Centre, Adilabad |
| Mr Rajeshwar Madavi | Seshanna Chennawar Eye Centre, Adilabad |
| Mr Santosh Mesram | Seshanna Chennawar Eye Centre, Adilabad |

Mid-Level Ophthalmic Assistants (2 months)

| | |
|--------------------------|----------------------------|
| Mr Koteswar Rao Sadanala | Nellore, Andhra Pradesh |
| Mr Md Madar Khan | Karimnagar, Andhra Pradesh |
| Mr Shiva Kumar Bachu | Nizamabad, Andhra Pradesh |

Mid-Level Ophthalmic Assistants (55 days)

| | |
|--------------------|--|
| Mr Md Liyaqath Ali | Dr Ranga Reddy Lions Eye Hospital, Secunderabad |
| Mr Syambabu Undru | R R Lions Eye Hospital, Palakolu, West Godavari District |

Training Centre Coordinator (1 month)

| | |
|--------------------------------|--------------------|
| Dr Rikaline Bernadet Panjaitan | Bandung, Indonesia |
|--------------------------------|--------------------|

| Name | Area of training | Duration |
|------------------------------------|---|----------|
| Volunteers | | |
| Mr Tony Maynard | Operation Eyesight Universal, Australia | 3 months |
| Ms Sue Ann Muller | Operation Eyesight Universal, Australia | 3 months |
| Ophthalmic Nursing trainees | | |
| Ms Jeevaratna Kumari | Rajahmundry, Andhra Pradesh | 2 years |
| Ms Srilaxmi Nakka | Rajahmundry, Andhra Pradesh | 2 years |
| Ms Anitha | Adilabad, Andhra Pradesh | 6 months |
| Ms Meraj Parveena | Adilabad, Andhra Pradesh | 6 months |
| Mrs M Lalitha | Proddatur, Andhra Pradesh | 6 months |
| Ms Bharatamma | Yacharam, Andhra Pradesh | 6 months |
| Ms Teti Sugiarti | Bandung, Indonesia | 3 months |
| Ms Chaitali Biswas | Kolkata, West Bengal | 3 months |
| Visiting Research Students | | |
| Ms Pema Lhamu Sherpa | Tata Institute of Social Sciences, Mumbai | 2 months |
| Dr Robert Finger | Perth, Australia | 1 month |

Bausch & Lomb School of Optometry (BLSO)

Education Day

Graduation day ceremonies were observed on Education Day at L V Prasad Eye Institute on October 17, 2005. Prof Ravi Thomas, Director, welcomed the graduates, guests and staff. Ms Sunita Narain, Director, Centre for Science and Environment, New Delhi, was the chief guest. The other speakers were Prof V S Rao, Deputy Director, Off-campus programs, BITS, Pilani, and Dr Gullapalli N Rao.

Dr G Chandra Sekhar, Director – Education, and Prof Coen de Jong, Director – Education Development and Principal of Bausch & Lomb School of Optometry, outlined the educational and training activities of the Institute.

The top five BS optometry students of Batch 2001 were:

Mr M Vinod Kumar, Mr Ch Naveen Kumar, Mr A Baskar, Ms L Deepthi Reddy and Mr K Naga Raju. Of the 18 students in the 2001 batch, 15 successfully completed the bachelor's course in optometry. Six students obtained the first division with distinction, eight received first division and one second division. The certificates were distributed by Prof V S Rao.

Dr Gullapalli N Rao presented the **Excellence Award** to Mr Vinod Kumar, Best Outgoing Student with the highest average score. His performance in the clinic and at the school was outstanding in all aspects. The award was a glass artwork made by Mr Sisir Sahana, one of LVPEI's artists-in-residence.

Ms Sunita Narain also distributed the FOREC Diplomas in Ophthalmic Techniques to the students of Batch 2001. They also received a certificate for participation in the first two years of the BS optometry course. Nine students completed the three-year DOT course and the one-year fellowship program.



Vision Technician program

Of the February 2005 batch of Vision Technicians 22 students completed the one-year program. It was heartening to note that the student selected as the Best Student had an average beginning, but finally qualified as the best. Eight students left the course midway, one student was sent away because of poor performance.

Twenty-nine students have been selected for the February 2006 batch.

Ongoing educational programs

B S Optometry course (in collaboration with BITS, Pilani)

The entrance examination and interviews for selection of candidates for the 2005 Bachelor of Science Optometry course were conducted on July 20, 2005. Seventeen students were selected for the 4-year course. The program was advertised by the Birla Institute of Technology & Science, Pilani.

Other Events

Indian Eye Research Group meet

BLSO students Ms Jaya Dantam, Mr Bhanu Rakesh, Ms Snigdha and Ms Sethumathi participated in the 14th IERG meeting held at LVPEI from July 30-31, 2005. Ms Snigdha was awarded the second position in poster presentation.

International Vision Science and Optometry Conference

Ms Jaya Dantam, Mr Jit Bahadur, Mr Ravi Chandra and Ms Nisha Shirish participated in the EIVOC program, organized by the Elite School of Optometry (ESO, Sankara Nethralaya, Chennai), August 13-15, 2005.

Presbyopia Educators Program

On August 26, 2005, ICEE-Essilor conducted the Presbyopia Educators Program at Mumbai, in which Mr Y Vijay Kumar from BLSO participated.

Traditional Day Festival

BLSO students organized a Traditional Day Festival on 18.8.2005, where all the students and staff came in their traditional national costumes; the evening was marked by fun and dancing.

Special National Olympics

The National Special Olympics (for intellectually challenged athletes) are scheduled to be organized at BHEL, Hyderabad, from October 19-22, 2006. BLSO has been invited to conduct an eye camp during the games; the second and third year students conducted eye examinations for all the participants.

IACLE examination

The IACLE examination for BS Optometry third and fourth year students was conducted on February 26, 2006. This exam on contact lenses is outside the curriculum.

Resource Center

The resource center at ICARE, Kismatpur, is open 365 days. During examinations the center is open till midnight. The reading room, computer room and library facilities are

used regularly by BLSO students, trainees and fellows. The librarian not only helps users to download articles from the Internet, but also helps the uninitiated to learn the use of computers and the Internet. A one-week training is given to Vision Technician students at the beginning of the course.

Optometry fellowship programs

L V Prasad Eye Institute, along with Vision CRC, Australia, has launched a two-year optometry fellowship to prepare optometrists for research and teaching. In the first year, training will be imparted at LVPEI, and in the second year at Vision CRC, Sydney, Australia. Two students will be selected each year; this year L Deepthi and P Sapna were chosen.

Nurses Day celebrations

The nursing staff of L V Prasad Eye Institute celebrated Nurses Day, the birthday of Florence Nightingale on May 12, 2005. Florence Nightingale started the first nursing school in 1860 and continues to be an inspiration for nurses. The chief guest was Ms Raffat Razia, Professor, Government College of Nursing and adviser to the Trained Nurses Association of India.

Indian Contact Lens Education Program

The Institute's 35th Indian Contact Lens Education Program (ICLEP) ran to a packed house from December 1-5, 2005. The basic course (attended by 120 delegates) and the advanced course (attended by 70 delegates) drew participants from all over India. The program was conducted by Dr Pravin K Vaddavalli from the Cornea Services with support from the Contact Lens Services. The guest faculty included Dr Padmaja Sankaridurg from Vision CRC, Sydney, Australia; Dr Rhonda Robinson from Indianapolis, USA; Dr Murali K Aasuri from Hyderabad, and Dr Chandrashekar Chawan from Mumbai, as well as faculty from Bausch & Lomb. Dr Robinson described it as one of the most comprehensive and well organized courses in the world.



Seminars and Workshops

The Institute offers comprehensive educational programs on latest trends in the surgical and medical treatment of eye disorders. Eye care professionals from all over India and other countries participate in these programs.

The **Third Rotary Cataract Orientation Program** (April 15-16, 2005) was organized by the International Centre for Advancement of Rural Eye Care (ICARE – LVPEI), Rotary International and Operation Eyesight Universal, Canada. Over 50 delegates from 27 institutions participated in the program.

A seminar on **How to Enhance Patient Satisfaction** was conducted on April 27, 2005; it was organised by the Institute of Health Management Research (IHMR), Bangalore.

A **National Workshop on Resource Mobilisation** was organized from May 26-27, 2005, by VISION 2020: The Right to Sight – India, in association with LVPEI. It was attended by 85 delegates from 40 institutions.

A two-day national workshop on **Eye Banking and Corneal Transplantation** was held from May 27-28, 2005. The seventh workshop in the series, it was organised by Ramayamma International Eye Bank, LVPEI, under the ORBIS International, USA; Eyesight International, Canada; and LVPEI collaborative project.

The **Fourth Rotary Cataract Orientation Program** (June 3-4, 2005) was organized by ICARE – LVPEI, Rotary International and Operation Eyesight Universal. Over 40 delegates from 23 institutions attended the workshop.

The **34th Indian Contact Lens Education Program (ICLEP)** was conducted from July 3-6, 2005, in which 103 delegates participated.

The 14th annual meeting of the **Indian Eye Research Group (IERG)** was held from July 30-31, 2005. Of the 100 participants, 60 were registered external delegates from 10 institutions across the country. There were 6 paper sessions and 2 poster sessions, in which 41 free papers, 2 invited talks, a special oration and 35 posters were presented. Travel fellowships were given to 10 participants.

The **Tenth Retina Congress** was held from August 26-28, 2005, with 120 participants. A trade fair was also organized, where 15 companies displayed their products.

A seminar on **Childhood Blindness & Diabetic Retinopathy** was conducted on October 14, 2005; it was attended by over a hundred delegates.

The **35th Indian Contact Lens Education Program (ICLEP)** was conducted from December 1-5, 2005; 120 delegates attended the basic course and 70 delegates attended the advanced course.

A meeting of the **Partner Hospitals of Diabetic Retinopathy Project** was held on December 12, 2005. It was attended by 46 participants from various Lions Eye Hospitals and LVPEI satellite centers.

The Institute organized a **Workshop on Operating Room Protocols** on January 8, 2006, to provide refresher training to OR technicians and nurses of LVPEI partner/satellite hospitals in Andhra Pradesh.

The second weekend workshop on **Communication Skills** was conducted from February 4-5, 2006, by Dr Usha Raman, Editorial Consultant. Around 50 ophthalmology fellows participated in the workshop which included feedback from patients on clinician-patient interaction.

A 14-lecture series **Common Sense Concepts in the Practice of Ophthalmology** was conducted between February and March 2006. The lectures were aimed at introducing clinicians, residents, scientists and research fellows to the application of different concepts of epidemiology and biostatistics in routine clinical care.

A **Practice Development Course** was conducted on March 19, 2006, for outgoing ophthalmology fellows. Eminent guest speakers from the ophthalmology fraternity, the industry and experts in finance addressed the fellows.

The workshop on **Cataract Surgery – Current Trends and Future Horizons** held from March 4–5, 2006, received an overwhelming response with registrations touching the 200 mark. The international guest faculty comprised Prof Ehud I Assia from Israel and Dr Uday Devgan from USA. The national faculty included Dr Abhaykumar Vasavada from Ahmedabad, Dr M S Ravindra from Bangalore and Dr Suhas S Haldipurkar from Panvel.



Worldwide Expertise



The wide network LVPEI has established with institutions and organizations worldwide enables it to draw on an international resource base of senior consultants and experts in every field of eye care. The eminent faculty who delivered lectures at LVPEI during the year were:

Dr Peter Gordon Watson, Boerhaave Professor, University of Leiden, The Netherlands, spoke on *Scleral diseases*. April 28, 2005

Dr Jill Keefe, Chairperson, World Health Organization Low Vision Working Group, and Assistant Professor, University of Melbourne, Australia, spoke on *What do I need to know about low vision*. June 3, 2005

Dr Maddy Ashwin Reddy, Consultant Ophthalmic Surgeon in Retinoblastoma and Pediatric Ophthalmology, Moorfields Eye Hospital Trust, Barts, and The London NHS Trust, UK, spoke on: *Cataract genetics overview* (July 19, 2005); *MRCS or FRCS: Which is best* (August 2, 2005); *Retinoblastoma: New tumours and risks to relatives* (August 9, 2005); and *Several interesting pediatric cases* (August 16, 2005)

Dr Bob Stamper, University of California, San Francisco, USA, spoke on *Complications of glaucoma surgery*. July 25, 2005

Dr Kristina Raube, Head, Department of Hospital & Health Management, School of Management, UC Berkley, California, USA, spoke on *Total quality management*. July 26, 2005

Dr A V Ramani, MD, Community Medicine, spoke on *Primary health care – the reality in India*. July 28, 2005

Dr Matthew Simunovic, PhD, and final year MB BChir, University of Cambridge, UK, spoke on *Is colour vision deficiency an advantage at night?* August 2, 2005

Dr Bandaru S Reddy, Research Professor, Department of Chemical Biology, Susan Lehman Cullman Laboratory for Cancer Research, Ernest Mario School of Pharmacy, Rutgers University, USA, spoke on *Novel Strategies for prevention of cancer by combination of nutritional and/or chemo preventive agents*. August 3, 2005

Prof Jan Lovie-Kitchin, Associate Professor, School of Optometry, Queensland University of Technology, Brisbane, Australia, spoke on *Low vision – a growth industry*. August 10, 2005

Dr Brain Levy, Vice-President and Chief Medical Officer, Bausch & Lomb, spoke on *Retesert for uveitis and DME*. August 23, 2005

Dr Mona Sarfarazi, President and CEO, Shenasa Medical LLC, Shenasa Inc., San Diego, California, USA, spoke on *Accommodative intraocular lens*. August 25, 2005

Dr Paolo Lanzetta, Associate Professor of Ophthalmology, Udine, Italy, spoke on lasers and demonstrated a new laser machine of 670 nm. September 21, 2005

Dr Quan Dong Nguyen, Assistant Professor – Ophthalmology, Retina Services, Wilmer Ophthalmological

Institute, Baltimore, Maryland, USA, spoke on *New Clinical Trials for neovascular age-related macular degeneration*. October 5, 2005

Dr Prema Padmanabhan, Head of Cataract and IOL Services, Sankara Nethralaya, Chennai, India, delivered the Late Pushkarlalji Tibrewala Public Lecture 2005 on eye donation *The sun shall not set*. October 8, 2005

Prof Paul Mitchell, Director, Department of Ophthalmology and Centre for Vision Research, Westmead Hospital, Sydney, Australia, spoke on *Retinal vascular disease*. November 15, 2005

Dr Paul N Baird, Head, Ocular Genetics Unit, Centre for Eye Research Australia, Melbourne, Australia, spoke on *Genetics of glaucoma*. November 16, 2005

Prof Earl L Smith III, Dean, Greeman-Petty Professor, College of Optometry, University of Houston, Houston, Texas, USA, spoke on *Operational properties of emmetropization*. November 18, 2005

Dr Rhonda Robinson, Optometrist, Indianapolis, Indiana, USA, spoke on *Types and design of various lenses to correct presbyopia*. December 2, 2005

Dr Alan Charles Bird, Professor, Clinical Ophthalmology, Institute of Ophthalmology, and Honorary Consultant, Moorfields Eye Hospital, London, UK, spoke on *Macular edema*. December 12, 2005

Dr Rodney O' Keefe, Fellow, Royal College of Pathologists of Australasia, Consultant Dermatopathologist, Dorevitch Pathology, Melbourne, Australia, spoke on *Cutaneous disorders and the eye*. December 30, 2005

Dr Naresh Mandav, Associate Professor, UCHSC, Aurora, USA, spoke on *Vit 100 for PVR*. December 31, 2005

Dr K V Chalam, Head of Retina Services, Department of Ophthalmology, University of Florida School of Medicine, Jacksonville, Florida, USA, spoke on *Age related macular degeneration*. February 8, 2006

Dr Eugene McGillis Helveston, Professor Emeritus and founder of the Pediatric Ophthalmology and Strabismus Service, Indiana University School of Medicine, Indiana, USA, delivered two guest lectures on *Strabismus management* (March 13, 2006) and *Trochlea* (March 14, 2006).

Dr Jayaprakash Muliylil, Principal, Christian Medical College, Vellore, spoke on *Biostatistics*. March 15, 2006

General lectures

Ms Kajal Parekh, yoga teacher, Isha Foundation, Coimbatore, India, spoke on *Inner Management*. April 13, 2005

Dr Calvin L Pabst and Ms Jacqueline Pabst, Humanitarian Service Volunteers from the Church of Latter Day Saints Charities, Idaho, United States, spoke on their experiences at LVPEI. May 11, 2005

Mr B Ramalinga Raju, Founder and Chairman, Satyam Computer Services Limited, Hyderabad, spoke on *Leadership in a virtual world*. June 8, 2005

Prof Joachim Freimuth, expert in organizational development, human resources, process consultancy, spoke on *Conflict management*. July 27, 2005

Mr Narendra Luther, IAS (Retd.), former Chief Secretary and Chairman, Andhra Pradesh Tourism Development Corporation, Hyderabad, spoke on *Humour: Keeping the lighter side alive*. September 14, 2005

Dr Shantha Sinha, trustee-secretary of M V Foundation and professor of political science at Hyderabad University, delivered the Dr Rustam D Ranji Rotary Award and Lecture on '*Universalizing of education in India – Challenges*'. November 3, 2005

Dr Sagari Ramdas, Ashoka fellow and founder, Anthra, an NGO working on animal husbandry and livelihood issues, spoke on *Challenges to development and need for NGOs to collaborate*. November 9, 2005

Dr Adrian Hunter, Chief Executive Officer and President, BioCure Inc., Atlanta, USA, spoke on *Innovation in industry*. November 14, 2005

Dr Serina Stretton, Project Director, Lecturer and Science Writer, Vision Cooperative Research Centre, Sydney, Australia, spoke on *How to write a scientific paper*. November 17, 2005

Prof Haragopal, Professor of Political Science and Dean, School of Social Sciences, University of Hyderabad, Hyderabad, spoke on *Globalization and human rights* on December 14, 2005

Dr Quratulain Bakhteari, Institute for Development Studies and Practices, Quetta, Pakistan, spoke on *Women, education & development: The case of Pakistan* on January 7, 2006

Dr Usha Kumar, clinical psychologist and organisational development consultant, Ohio State University, Ohio, USA, spoke on *Perception and how it affects our communication* on January 11, 2006

Dr Swapna Bist Joshi delivered a guest lecture on *Gender Sensitization in the workplace* on March 8, 2006. She has worked for the UNHCR in Kosovo and is on the faculty of National Industrial Security Academy (NISA)

Dr (Mrs) Rhonda Robinson, a USA-based specialist in contact lens design, delivered a guest lecture for second and third year students. The lecture was arranged by Bausch & Lomb, India. December 2, 2005

Eye Research

In their quest to find new methods of approaching the treatment of eye disease, and to understand why disease occurs and how it progresses, our scientists have two underlying goals: relevance and rigour. Clinical and basic research goes hand in hand, to achieve a high degree of applicability to patient care.



Eye Research

Prof Brien Holden Eye Research Centre

Basic research

The Hyderabad Eye Research Foundation (HERF) administers both basic and clinical research at L V Prasad Eye Institute (LVPEI). It continues to compete and receive grants from all over the world to conduct cutting edge research on the eye. The Prof Brien Holden Eye Research Centre (BHERC) investigates the causes and treatment strategies through its various components, namely the Jhaveri Microbiology Centre, the Saroja A Rao Immunology Laboratory, the Kallam Anji Reddy Molecular Genetics laboratory, the Sudhakar and Sreekanth Ravi Stem Cell Laboratory, and the clinical research laboratories. Each of these components has been named after its donor, in recognition of their generous donations.

Support and recognition

As before, this past year too research at LVPEI has concentrated on molecular genetics of inherited eye diseases, devising molecular diagnostics for early detection, microbiology of eye infections, biochemical features of cataract, and stem cell technology for reconstruction of the damaged ocular outer surface. Support for these projects have come from competitive grants received from the Department of Biotechnology (DBT), Department of Science and Technology (DST), Council of Scientific & Industrial Research (CSIR), and the Indian Council of Medical Research (ICMR) – all from India, as well as the National Eye Institute (NEI, National Institutes of Health), USA. Thanks to the recently finalized US – India eye research collaboration, several joint research projects have been initiated at HERF, in collaboration with researchers in the US. Likewise, HERF is one of the four pillars of the multinational research and development group called Vision CRC (operating from Sydney, Australia), and conducts research on its behalf on the genetics of myopia, as well as a series of clinical studies such as on antibacterial contact lenses, corneal onlays, etc.

The Institute is recognized as an external research center by the University of Hyderabad, Hyderabad; Birla Institute of Technology & Science (BITS), Pilani; and the University of New South Wales, Sydney, Australia. This enables research scholars from LVPEI to register with, and obtain their Ph D degrees from these universities. Collaborative research has also been forged with national laboratories such as the Centre for Cellular & Molecular Biology (CCMB), Centre for DNA Fingerprinting & Diagnostics (CDFD) and University of Hyderabad – all at Hyderabad, and the Indian Institute of Science, Bangalore. The agreements allow researchers at LVPEI to access state-of-the-art equipment and sophisticated facilities at these centers.

Clinical Research

LVPEI's multidisciplinary clinical research is of international standards and is sponsored by Indian funding agencies and multinational companies from USA and France. The group conducts not only intramural clinical research, but also participates in multicentre clinical trials. Some of the notable clinical studies in the last couple of years are: the immunopathology of ocular diseases in humans, the use of fluocinolone acetonide implant in chronic uveitis and diabetic macular edema, the use of povidone iodine and azithromycin in acute conjunctivitis, the evaluation of the efficacy and safety of two formulations of Latanoprost, and the evaluation of amniotic membrane for bullous keratopathy versus anterior stromal puncture.

In addition, clinical research has pursued the study of the suitability of using extended wear contact lenses. This involves recruitment of volunteers and monitoring comfort levels and related factors upon the use of contact lenses over a period of time. Another area of study was the efficacy, pharmacodynamics and related features of ophthalmic drugs and antibiotics. Many of the studies are conducted in collaboration with leading pharmaceutical companies.

- ◆ Kallam Anji Reddy Molecular Genetics Laboratory
- ◆ Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory
- ◆ Jhaveri Microbiology Centre
- ◆ Ophthalmic Pathology Laboratory
- ◆ Biochemistry Laboratory
- ◆ Clinical Research Unit
- ◆ Saroja A Rao Immunology Laboratory

High-resolution genome profiling to differentiate *Staphylococcus epidermidis* strains isolated from patients with ocular infections and normal individuals. (Investigators: Aparna Duggirala, Savitri Sharma, D Balasubramanian. Collaborators: Prashant Kenchappa, Niyaz Ahmed, Syed E Hasnain – CDFD*, Support: HERF*)

This study was designed to investigate the potential phenotypic and genetic differences among the isolates obtained from asymptomatic patients with that of keratitis and endophthalmitis. A total of 56 isolates of *S. epidermidis* obtained from patients with ocular infections and from conjunctival swabs of normal subjects were analyzed. Isolates were derived from two kinds of infections, namely keratitis (n=18) and acute postcataract surgery endophthalmitis (n=24). These isolates were initially identified by biotyping through API Staph system. Molecular characterization of isolates was carried out by Fluorescence Amplified Fragment Length Polymorphism (FAFLP). In an effort to identify the gene that is relevant in methicillin resistance, biofilm formation and/or invasive properties and for their persistence within a biofilm, PCR amplification of *mecA* and *icaAB* locus was performed. Antimicrobial susceptibility testing for nine antimicrobials having wide spectrum of activity was performed. Dendrograms constructed by UPGMA algorithm using binary data obtained through FAFLP profiles depicted eleven clusters generated from all the isolates. Further analyses clearly differentiated normal conjunctival swab (NCS)/commensal isolates with that of keratitis and endophthalmitis isolates wherein highest number NCS isolates (9) forming a distinct large cluster I. Remaining five NCS isolates grouped in different clusters. The *mecA* gene was detected in 64.28% (36 out of 56) of isolates and *icaAB* gene was positive in 66.07% (37 out of 56). Sixty-six per cent of endophthalmitis isolates were positive for both *mecA* and *icaAB*. Keratitis isolates showed 59% positivity for *mecA* and biofilm forming strains were 72% in this group. Seventy-one and 64% of isolates from NCS showed amplification of *mecA* and *icaAB* respectively. Amplification of *icaAB* and *mecA* can only aid as virulence marker detection but are less useful in differentiation of strain groups. High number of isolates causing keratitis and endophthalmitis were resistant to one or more antibiotics unlike NCS isolates. The population dynamics of *S. epidermidis* reveal that there are significant genetic variations, which can be detected through FAFLP between ocular disease causing isolates with that of isolates obtained from conjunctival swabs of normal subjects.

Characterization of microsporidia causing ocular infections. (Investigators: Joveeta Joseph, Savitri Sharma, Dorairajan Balasubramanian. Support: DBT*)

Clinical and microbiological profile of microsporidial keratoconjunctivitis have been studied and published under this project. In the current phase of the study the aim was to evaluate generic and species specific 16S rRNA based PCR in the diagnosis of microsporidial keratitis. Corneal scrapings from test (smear positive) and controls (non-

microsporidial keratitis) were tested by pan-microsporidial PCR followed by species-specific PCR and sequencing. The results showed that 26 out of 31 samples in the test group and 2 out of 103 samples in the controls were positive for 250-280 bp amplicon by pan-microsporidial PCR (sensitivity-83%, specificity-98%). The speciation revealed nine (test-7, control-2) *E. cuniculi* (549 bp), three *E. hellem* (547 bp) and one *E. intestinalis* (547 bp). All species, including *Vittaforma corneae* in 15 amplicons, were confirmed by sequencing. This study concludes that PCR assays may be useful adjuncts as diagnostic tests, prognostic indicators and future research in ocular microsporidiosis.

In vitro pathogenicity, molecular characterization and molecular diagnosis of *Acanthamoeba* keratitis (Investigators: Savitri Sharma, Aparna Duggirala. Collaborator: Ramesh K Aggarwal – CCMB*. Support: DBT*)

A multiplex PCR for detection of *Acanthamoeba* DNA in clinical samples was developed in the first phase of the study. Currently this is being tested on clinical samples from test and control groups. In order to determine the pathogenicity of the *Acanthamoeba* spp. human corneal epithelial (HCE) cell line was inoculated with trophozoites and lysate of a clinical isolate of *Acanthamoeba*. Culture supernatant was collected at various time points (0, 6, 12 and 24 hours). Using cytokine and growth factor array and a biochip array reader (Evidence Investigator, Randox, UK) a no. of cytokines and growth factors such as IL-1 α , IL-1 β , IL-2, IL-4, IL-6, IL-8, IL-10, IL-12, TNF α , VEGF, IFN- α , EGF and MCP-1, will be estimated in the culture supernatants. In addition, interaction of the trophozoites of *Acanthamoeba* with the HCE at 0,6,12, and 24 hours of incubation at 37° C will be studied by electron microscopy.

Detection of biofilms and role of biofilm inhibitors in clinical isolates of coagulase negative staphylococci from the eye. (Investigators: Aparna Duggirala, Savitri Sharma, D Balasubramanian. Support: HERF*)

The purpose of the study is to find the biofilm forming capability (phenotypic and genotypic) among clinical isolates of coagulase negative staphylococci (CoNS) from the eye and evaluate the effect of biofilm inhibitors on isolates that produce biofilm. Standard *Staphylococcus epidermidis* strains RP62A, ATCC35983, ATCC12228 and ATCC14990 were used for the standardization of various tests. Twenty five CoNS isolated from keratitis and 13 CoNS isolated from endophthalmitis were used as clinical isolates. Eighteen commensal CoNS isolates were obtained from the conjunctival sac of subjects who did not have any ocular disease. Biofilm status of all the CoNS isolates was determined by testing the presence of *icaAB* gene (PCR) and production of biofilm (Congo red agar and microtitre plate tests). Assay for biofilm inhibition using N-acetyl cysteine (125-800mg/ml), epigallocatechin gallate (125-500mg/ml) and aspirin (200-500mg/ml) was performed on isolates detected positive by all the three tests. *icaAB* gene was detected in isolates from keratitis

(68%), endophthalmitis (61.5%) and commensals (55.5). Congo red plate agar detected phenotypic biofilm production in keratitis (84%) and endophthalmitis (23%) isolates alone. Microtitre plate method detected biofilm production quantitatively in keratitis (72.8%), endophthalmitis (53.8%) and commensal (66.6%). Out of 56 isolates 12 clinical isolates should presence of biofilm by all the methods and were used to study the role of biofilm inhibitors. N-acetyl cysteine at 2mg/ml, Aspirin at 200µg/ml and epigallocatechin gallate at 125µg/ml inhibit 60% of the biofilm formed by ocular CoNS isolates. PCR assay (*icaAB*) was not useful in differentiating disease causing strains from that of commensals, unlike phenotypic assays (Congo red agar/ microtitre plate). N-acetyl cysteine, Aspirin and epigallocatechin gallate are good biofilm inhibitors and have potential therapeutic utility.

Can donor cornea transmit microsporidial infection? (Investigators: Joveeta Joseph, Pravin K Vaddavalli, Savitri Sharma, Usha Gopinathan. Support: HERF*)

The aim of this study was to evaluate the presence of microsporidia in donor corneas by polymerase chain reaction in order to determine the potential infectivity of donor corneas leading to post-keratoplasty microsporidial keratitis. Postmortem donor corneas were harvested from 53 subjects. These corneas were considered unsuitable for use as donor tissue by the eye bank. DNA was extracted from the tissues and a SSU-rRNA based PCR was chosen to amplify a 250-280 bp conserved region which involved the use of pan-microsporidian primers for the detection of microsporidian DNA. The mean age of the patients was 65.5 ± 18.9 years. Microsporidian DNA was not detected in any of the samples tested. This study concludes that screening of donor corneas for presence of microsporidia is not warranted.

Phenotypic and genotypic characterization of limbal stem cells, cultivated limbal epithelial cells, and persistence of these characteristics after clinical transplantation. (Investigators: Virender Singh Sangwan, Geeta K Vemuganti, D Balasubramanian, Anees Fatima, Lakshmi Soundarya. Support: DBT*)

This first project supported by DBT was completed in 3 years (Oct 2001- Oct 2004) and formed the basis of the new proposal. In the first project, we had hypothesized that transplantation of cultivated limbal epithelium on human amniotic membrane would restore the ocular surface of patients suffering from severe chemical burns, resulting in limbal stem cell deficiency. During the last 4 years, after observing and documenting the success of the pilot study of 20 cases, the project was extended to more patients. Till date we have performed 350 transplantations of cultivated limbal epithelial cells, which is the largest clinical trial in the world for any form of cell therapy. Interim results show a phenomenal success in 70% of treated patients.

Though the clinical success of this technique is now well established, the pathobiology and the long-term survival of these cells *in-vivo* is not well documented. While

continuing with the reconstruction of the damaged ocular surface through cultured limbal and conjunctival epithelium, we now aim to characterize the native as well as the cultured limbal stem cells based on the cytoplasmic proteins, adhesion molecules on the surface, specific genes as well as the SP population of cells. This would not only provide proof of survival of the transplanted cells but also throw light on the changes, if any, that take place within the cultured epithelium after transplantation.

Role of HPV, p53 and proliferative markers in the genesis and prognosis of ocular surface squamous neoplasia. (Investigators: Geeta K Vemuganti, Chitra Kannabiran, Santosh Honavar, Guru Prasad. Support: ICMR*)

We aimed at evaluating the role of the human papilloma virus (HPV) in ocular surface squamous neoplasia (OSSN), akin to the role of the virus in carcinoma cervix. Continuing with the previous years work, DNA extracted from the paraffin sections, cotton swabs and fresh tissues was screened for presence of HPV using HPV specific primers My09/My11. The interim results did not show the presence of HPV in OSSN cases. However, all cases showed the presence of mutant p53 in the sections by immunohistochemical methods. The carcinoma cervical tumors analyzed during the same period showed HPV in 50% (5/10) and p53 mutations in all cases. Further analysis of OSSN cases will be carried out for the presence of HPV using IHC, PCR and in-situ hybridization.

Stem cell therapy for stroke in rat model (Investigators: Prakash Babu – University of Hyderabad, Geeta K Vemuganti, Naresh Polisetty. Support: DBT*)

Stem cells are multipotent cells that have the capacity to proliferate in an undifferentiated state, to self-renew and give rise to all the cell types of a particular tissue. We had hypothesized that the use of bone marrow stem cell would be beneficial in the rat stroke model. The first aim was to isolate mononuclear cells from rat marrow and establish cultures for the marrow stromal cells. This was completed in the last year. Stromal cells of rat marrow were established and characterized by various antibodies like CD34, CD45, HLA-DR, and Vimentin. Then attempts were made to differentiate rat marrow stromal cells into neurons by using the growth factors. Though morphological evidence of differentiation was established, further characterization is awaited, which will be followed by transplantation procedures.

Isolation of bone marrow stromal cells and attempts to transdifferentiate them into neuroretinal cells. (Investigators: Geeta K Vemuganti, T Das, D Balasubramanian, Purushottam Reddy. Support: DBT*)

In the first phase of this project, we isolated and cultured bone marrow stromal cells derived from unstimulated marrow samples, using the principle of adherence. Using a magnetic cell sorter (MINI MACS) we demonstrated that the VCAM and STRO 1 positive cells are in the range of 0.15-2% of all mononuclear cells of the marrow. The stromal cells as demonstrated by morphology and

immunohistochemistry could be differentiated into adipocyte lineage, osteogenic lineage as well as neural lineage using different culture conditions. The neural differentiation was confirmed by the presence of NeuN, MAP 2 kinase, betatubulin, nestin and synaptophysin positivity. We also established primary cultures of retinal pigment epithelium and preserved the conditioned medium for future co-culture techniques. Further characterization work is in progress.

Upgradation of centre for cell based therapy (Investigators: Geeta K Vemuganti, Virender Singh Sangwan, T Das. Coordinator: D Balasubramanian)

The Sudhakar and Sreekanth Stem Cell Biology Laboratory also received a grant of Rs 85 lakh from the Department of Biotechnology for upgradation and expanding the laboratory according to Current Good Manufacturing Practice guidelines (CGMP), including acquiring more equipment for new clinical facilities. The project is also supported by Sudhakar Ravi and Sreekanth Ravi, long-time supporters of LVPEI based in California, USA.

Evolution of *CYP1B1* mutations in PCG (Investigators: Subhabrata Chakrabarti, Kiranpreet Kaur, Inderjeet Kaur, Anil K Mandal, Rajul S Parikh, Ravi Thomas, Partha P Majumder – Indian Statistical Institute, Kolkata. Support: DBT)

Common mutations in *CYP1B1* gene associated with primary congenital glaucoma (PCG) occur on a uniform haplotype background among Indian patients, which is completely distinct from the most frequent haplotype found among unaffected control subjects. Globally, there is a strong clustering of mutations by geographical and haplotype backgrounds. Together with data from chimpanzees and from normal controls in India and other global regions, it was possible to reconstruct the evolution of these mutations on different haplotype backgrounds. These results are useful for predictive testing of PCG. There is a need for similar studies on PCG mutations that are not associated with *CYP1B1*.

Genetic analysis of retinal dystrophies. (Investigators: Chitra Kannabiran, Subhadra Jalali, Hardeep Pal Singh. Support: NIH, DBT*)

Retinal dystrophies or degenerations are a cause of incurable blindness and involve the death of retinal photoreceptor cells. These diseases are a very heterogeneous group of disorders and include a range of phenotypes, many of which overlap with one another. They are genetically heterogeneous being inherited in autosomal dominant, recessive and X-linked modes and

arising due to mutations in over 50 different genes. We are studying the retinal dystrophies in order to identify disease-causing genes using different approaches. For families with autosomal recessive disease, we have been using the approach of screening for homozygosity by descent. This screen has resulted in an initial phase in identification of mutations in two families. Another approach we have used in collaboration with Dr Anand Swaroop and colleagues from the Kellogg Eye Center, Ann Arbor, Michigan, is to screen candidate genes for mutations directly in a series of 100 patients. A third approach is to map the disease locus by using families with several affected members. These studies may help unravel the cause of retinal dystrophies in Indian patients and may be useful for future diagnostic or therapeutic application.

Association of the *CFH* Variant Tyr402His in AMD in India (Investigators: Inderjeet Kaur, Saritha Reddy, Avid Hussain, Nazimul Hussain, Annie Mathai, Taraprasad Das, Praveen K Nirmalan, Subhabrata Chakrabarti. Support: DBT)

Age-related macular degeneration (AMD) is a leading cause of irreversible blindness worldwide. Recently, the association of single nucleotide polymorphisms (SNPs) in Complement factor-H (*CFH*), Toll-Like Receptor 4 (*TLR4*), and *APOE* genes with AMD has been made in different populations. With quick demographic changes and the increasing number of elderly people in the developing world, it is important to understand the implications of these SNPs in AMD. We performed such an analysis from India and observed that the association of the *CFH* SNP (Tyr402His) with AMD might be universal. This could be used as a potential marker for predictive testing.

Incidence and risk factors for retinopathy of prematurity (ROP) among premature single children and twins from south India (Investigators: Inderjeet Kaur, Anjali Hussain, Priya Govindaswamy, Subhadra Jalali, Praveen K Nirmalan, Ravi Thomas, Subhabrata Chakrabarti. Support: DBT)

To assess the incidence of ROP and evaluate the potential maternal and neonatal risk factors, a retrospective chart review was done in premature single children and twins in south India. The incidence of ROP was different between single children and twins in the present population. Prenatal steroid was a potential risk factor; a relatively higher concordance for ROP was observed among monozygotes suggesting a genetic basis for the development of ROP.

CCFD: Centre for DNA Fingerprinting and Diagnostics, Hyderabad
DBT: Department of Biotechnology, Government of India, New Delhi
ICMR: Indian Council of Medical Research, New Delhi

HERF: Hyderabad Eye Research Foundation, LVPEI, Hyderabad
CCMB: Centre for Cellular and Molecular Biology, Hyderabad
NIH: National Institutes of Health, Maryland, USA

Status of Clinical Research Projects of Hyderabad Eye Research Foundation

A multicenter, randomized, double-masked controlled study to evaluate the safety and efficacy of Intravitreal Fluocinolone Acetonide (0.5 mg or 2 mg) implants in patients with non-infectious uveitis affecting the posterior segment of the eye (**Principal Investigator:** Dr V S Sangwan). **Duration:** 3 years (2002 –2005). **Sponsored by:** Bausch & Lomb

Immunopathology of ocular diseases in humans: A multicenter collaborative project with National Eye Institute (**Principal Investigator:** Dr V S Sangwan). **Duration:** 3 years (2004 –2007). **Sponsored by:** HERF/NEI

Amniotic membrane transplantation (AMT) for bullous keratopathy (BK) vs. anterior stromal puncture (ASP) (**Principal Investigator:** Dr V S Sangwan). **Duration:** 3 years. **Sponsored by:** HERF

A randomized, controlled pilot study to evaluate the safety and efficacy of an Intravitreal Fluocinolone Acetonide (0.5 mg or 2 mg) implant in patients with clinically significant diabetic macular edema (**Principal Investigator:** Dr Tarapasrad Das). **Duration:** 3 years (2003 –2006) **Sponsored by:** Bausch & Lomb

Vision CRC implantable contact lens: Preliminary human trials (**Principal Investigators:** Dr Pravin V Krishna, Dr Antti Vannas (Finland), Dr Tony Xie (China), Dr Deborah Sweeney (Sydney, Australia). **Duration:** 2004-2005 (1 year). **Sponsored by:** Vision Coperative Research Centre, Australia

Dispensing clinical evaluation of antibacterial contact lens (**Principal Investigators:** Dr Savitri Sharma, Dr Prashant Garg). **Duration:** 1 year (2005-2006). **Sponsored by:** Vision Coperative Research Centre, Australia

Biopore® porous orbital implant for the management of post enucleation anophthalmic socket (**Principal Investigator:** Dr Milind Naik). **Duration:** 1 year (2005-2006). **Sponsored by:** Biopore Surgical Implants

Ethanolamine Oleate Dacryocystosclerotherapy as an alternative to Dacryocystectomy (**Principal Investigator:** Dr Milind Naik). **Duration:** 1 year (2005). **Sponsored by:** HERF

Protein Kinase C β Inhibitor - Reduction in the occurrence of center-threatening diabetic macular edema. (**Principal Investigator:** Dr Subhadra Jalali). **Duration:** 3 years (2005-2008). **Sponsored by:** Eli Lilly and Company

A multicenter trial for surgical treatment of Central Retinal Vein Occlusion Radial Optic Neurotomy for CVO (The ROVO

Study) (**Principal Investigator:** Dr Nazimul Hussain). **Duration:** 1 year (2005-2006). **Sponsored by:** HERF

Evaluation of efficacy and safety of two formulations of LATANOPROST ophthalmic solution in patients with primary open angle glaucoma (POAG) (**Principal Investigator:** Dr Rajul Parikh). **Duration:** 1 year (2005-2006). **Sponsored by:** Sun Pharmacy

Diagnostic capability of newer Frequency doubling perimetry-Matrix (FDP-MATRIX) compared to White-on-White Perimetry (WWP) in early glaucoma. (**Principal Investigator:** Dr Rajul Parikh). **Duration:** 1 year (2004-2005). **Sponsored by:** HERF

Thickness of the retinal nerve fiber layer in amblyopic and normal eyes (**Principal Investigators:** Dr Rajul Parikh/Mr Prabhakaran). **Duration:** 3 months (2005). **Sponsored by:** HERF

Diagnostic capability of Heidelberg Retina Tomograph (HRT), Scanning Laser Polarimetry (SLP) and Optical coherence Tomography (OCT) compared to White-on-White Perimetry WWP in early Glaucoma (**Principal Investigator:** Dr G Chandra Sekhar). **Duration:** 1 year (2004-2005). **Sponsored by:** HERF

Diagnostic capability of Heidelberg Retina Tomograph (HRT), Scanning Laser Polarimetry (SLP) and Optical Coherence Tomography (OCT) compared to White-on-White Perimetry WWP in pre-perimetric (**Principal Investigator:** Dr Rajul Parikh). **Duration:** 1 year (2004-2005). **Sponsored by:** HERF

A prospective, single center, open-label feasibility clinical evaluation of an accommodating intraocular lens (**Principal Investigator:** Dr V S Sangwan). **Duration:** 1 year (2005-2006). **Sponsored by:** Bausch & Lomb

Comparative study on the safety and clinical efficacy of HYPOPT (1% Sodium Hyaluronate) and Viscomet (2 % HPMC in phacoemulsification cataract surgery – A randomized open labelled parallel study in India (EC Ref # 11 - 2005) (**Principal Investigator:** Dr V S Sangwan). **Duration:** 1 year (2005-2006). **Sponsored by:** Virchow Biotech Private Ltd

Comparison of newer applanation tonometer (Newton) with Goldman applanation tonometer and tonopen (**Principal Investigator:** Dr Ravi Thomas). **Duration:** 3 months (2005). **Sponsored by:** Macro Ophthalmics

Research scholars at Prof Brien Holden Eye Research Centre

Sudhakar and Sreekanth Ravi Stem Cell Biology Laboratory: M M Sagar Balla, Anees Fatima, Soundarya Lakshmi Madhira, P Naresh, M Guru Prasad, Purushotham Reddy

Research Biochemistry Laboratory: C Madhavi Latha, Talla Venu

Kallam Anji Reddy Molecular Genetics Laboratory: S V V Kalyan Chakravarthy, K Rajeshwari Devi, Sarita Katta, Kiranpreet Kaur, Sreelatha Komatireddy, Vidya Parsam, Suryaprakash Ponnamp, Hardeep Pal Singh, Afia Sultana

Jhaveri Microbiology Centre: Aparna Duggirala, Joveeta Joseph

Gene causing recessive CHED identified

Congenital hereditary endothelial dystrophy (CHED) is an inherited corneal disorder leading to visual loss in infants and children. The corneas of affected individuals have a diffuse, bluish-white haze, described as a 'ground glass' appearance. This disorder can only be treated by corneal transplantation.



Cornea of a patient with CHED showing diffuse opacity

CHED occurs due to an abnormality in the endothelial cells, a layer of cells present at the back of the cornea. The endothelial cells perform an important function, that of pumping out excess fluid from within the cornea, thus maintaining a proper level of hydration. This is essential to keep the cornea in a transparent state. Any defect in the endothelium, as it occurs in CHED, leads to accumulation of water within the cornea. This leads to edema which, in turn, leads to corneal haze and opacity.

CHED is transmitted in families as a disorder arising from a single disease-causing gene. The patients with CHED seen at LVPEI mostly have autosomal recessive disease, which means that an affected person has two copies of the disease gene, inherited from both parents.

Dr Chitra Kannabiran and co-workers from the departments of Molecular Genetics, Cornea & Anterior Segment, and Ophthalmic Pathology at L V Prasad Eye Institute (LVPEI) undertook a study to find the gene causing autosomal recessive CHED (AR-CHED). They used clinical and genetic data from families of patients with this disorder in order to localize and identify the gene. This was done in collaboration with Dr Hejtmancik and co-workers from the National Eye Institute, Bethesda, USA.

They localized the gene for AR-CHED to a region on chromosome 20 and, subsequently, tested all genes in that region for disease-causing changes. This led to identification of the gene, which is known by the symbol SLC4A11. It codes for a protein that is likely to be an ion transporter, transporting ions across cells, although one does not know as yet exactly what this gene does in the corneal endothelium. Most patients tested had mutations that would be predicted to cause a severely defective protein.

Knowledge that the SLC4A11 gene is the cause of AR-CHED should help in further understanding the pathology of this disorder. This study represents a major step in the biology of CHED, since the cause of the disease at the molecular level was not known until now.

Investigators

Chitra Kannabiran, Afia Sultana – Molecular Genetics, LVPEI

Prashant Garg, Balasubramanya Ramamurthy, N Gangopadhyay – Cornea & Anterior Segment, LVPEI

Geeta K Vemuganti – Ophthalmic Pathology, LVPEI

J F Hejtmancik, Xiaodong Jiao, Yuri Sergeev – National Eye Institute, USA

Publications

Abraham LM, Kuriakose T, Sivanandam V, Venkatesan N, **Thomas R**, Muliylil J. Amplitude of accommodation and its relation to refractive errors. *Indian J Ophthalmol* 2005; 53(2):105-8

Bajaj MS, Pushker N, **Balasubramanya R**, Wagh VB, Gupta S. Myoconjunctival nucleation for enhanced implant motility: Result of a randomized prospective study. *Indian J Ophthalmol* 2005; 53(1):80

Balasubramanya R, Datar SG, Gupta R, **Sangwan VS**. Localised graft-host disparity: A late manifestation following deep lamellar keratoplasty. *Asian J Ophthalmol* 2005; 7(4):156-7

Chakrabarti S, Kaur K, Kaur I, Mandal AK, Parikh RS, Thomas R, Majumder PP. Globally, CYP1B1 mutations in primary congenital glaucoma are strongly structured by geographic and haplotype backgrounds. *Invest Ophthalmol Vis Sci* 2006; 47(1):43-7

Chakravarthi SV, **Kannabiran C**, Sridhar MS, **Vemuganti GK**. TGFBI gene mutations causing lattice and granular corneal dystrophies in Indian patients. *Invest Ophthalmol Vis Sci* 2005; 46(1):121-5

Choopong P, Khan N, **Sangwan VS**, Zafirakis P, Rallatos CL, Rojas B, Baltatzis S, Foster CS. Eosinophil activation in Wegener's granulomatosis: A harbinger of disease progression? *Ocul Immunol Inflamm* 2005; 13(6):439-45

Choudhari NS, **Sekhar GC, Nutheti R, Thomas R**. Precision and accuracy of Proview tonometer: Clinical implications for self-tonometry. *J Glaucoma* 2005; 14(6):515

Christy B, Nirmalan PK. Acceptance of mobility canes by persons with irreversible blindness in South India. *Journal of Visual Impairment and Blindness* 2006; 100:115-6

Das T, Kunimoto DY, **Sharma S, Jalali S, Majji AB**, Nagaraja Rao T, **Gopinathan U**, Athmanathan S; Endophthalmitis Research Group. Relationship between clinical presentation and visual outcome in postoperative and posttraumatic endophthalmitis in south central India. *Indian J Ophthalmology* 2005; 53:5-16

Fernandes M, Gangopadhyay N, **Sharma S**. *Stenotrophomonas maltophilia* keratitis after penetrating keratoplasty. *Eye* 2005; 19(8):921-3

Fernandes M, Sangwan VS, Bansal AK, Gangopadhyay N, Sridhar MS, **Garg P**, Aasuri MK, **Nutheti R, Rao GN**. Outcome of pterygium surgery: Analysis over 14 years. *Eye* 2005; 19(11):1182-90

Fernandes M, Sridhar MS, **Sangwan VS, Rao GN**. Amniotic membrane transplantation for ocular surface reconstruction. *Cornea* 2005; 24:643-53

Garg P, Vaddavalli PK, Stratis AK, **Gopinathan U**. The value of corneal transplantation in reducing blindness. *Eye* 2005; 19(10):1106-14

Gogate PM, Kulkarni SR, **Krishnaiah S**, Deshpande RD, Joshi SA, Palimkar A, Deshpande MD. Safety and efficacy of phacoemulsification compared with manual small incision cataract surgery by a randomized controlled clinical trial: six-week results. *Ophthalmology* 2005; 112(5):869-74

Gupta R, **Honavar SG, Vemuganti GK**. Orbital metastasis from hepatocellular carcinoma. *Surv Ophthalmol* 2005; 50(5):485-9

Honavar SG, Singh AD. Management of advanced retinoblastoma. *Ophthalmol Clin North Am* 2005; 18:65-73

Hussain A, Hussain N, Nutheti R. Comparison of mean macular thickness using optical coherence tomography and visual acuity in diabetic retinopathy. *Clin Experiment Ophthalmol* 2005; 33:240-5

Hussain N, Das T, Sumasri K, Mohan Ram LS. Bilateral sequential photodynamic therapy for subretinal neovascularisation with Type 2A Parafoveal Telangiectasis. *Am J Ophthalmol* 2005; 140(2):333-5

Hussain N, Das T. Verteporfin therapy for subfoveal choroidal neovascularisation associated with choroidal osteoma. *Int J Ophthalmol* 2005; 5(5):838-40

Hussain N, Hussain A, Natarajan S. Role of photodynamic therapy in polypoidal choroidal vasculopathy. *Indian J Ophthalmol* 2005; 53(2):101-4

Hussain N, Hussain A, Natarajan S. PFCL and ILM peeling in macular hole with retinal detachment. *Int J Ophthalmol* 2005; 5(2):217-20

- Hussain N, Hussain A, Natarajan S.** Indocyanine green dye enhanced laser photocoagulation for juxtafoveal choroidal neovascularisation. *Indian J Ophthalmol* 2005; 53(3):183-6
- Hussain N, Das T, Mohan Ram LS, Sumasri K.** Persistent choroidal thickening despite photodynamic therapy for circumscribed choroidal hemangioma. *Ophthalmic Surg Lasers Imaging* 2006; 37:76-8
- Hussain N, Baskar A, Ram LM, Das T.** Optical coherence tomographic pattern of fluorescein angiographic leakage site in acute central serous chorioretinopathy. *Clin Experiment Ophthalmol* 2006; 34(2):137-40
- Hussain N, Khanna R, Hussain A, Das T.** Transpupillary thermotherapy for chronic central serous chorioretinopathy. *Graefes Arch Clin Exp Ophthalmol* 2006; 13:1-7 (e-pub ahead of print)
- Ishida K, **Mandal AK, Netland PA.** Glaucoma drainage implants in pediatric patients. *Ophthalmic Clin N Am* 2005; 18:431-42
- Jain V, Dua N, Sridhar MS, **Sharma S.** Nocardia keratitis in a corneal graft. *Eye* 2006; 6 (e-pub ahead of print)
- Jalali S, Essuman V, Thomas R.** Clinical application of the revised indications for the treatment of Retinopathy of Prematurity. *Arch Ophthalmol* 2005; 123:407-8
- Jalali S, Yorston D, Shah NJ, Das T, Majji AB, Hussain N, Nutheti R.** Retinal detachment in South India – presentation and treatment outcomes. *Graefes Arch Clin Exp Ophthalmol* 2005; 243 (8):748-53
- Joseph J, Sharma S, Garg P, Vemuganti GK.** Microsporidia: Emerging ocular pathogens. *Indian J Med Microbiol* 2005; 23(2):80-91
- Joseph J, Murthy S, Garg P, Sharma S.** Microscopic evaluation of corneal scrapings using different stains for the diagnosis of microsporidial keratitis. *J Clin Microbiol* 2006; 22(2):583-5
- Kakrania R, **Joseph J, Vaddavalli PK, Gangopadhyay N, Sharma S.** Microsporidia keratoconjunctivitis in a corneal graft. *Eye* 2005; 25 (e-pub ahead of print)
- Kannabiran C, Sridhar MS, Chakravarthi SK, Vemuganti GK, Lakshmiopathi M.** Genotype-phenotype correlation in two Indian families with severe granular corneal dystrophy. *Arch Ophthalmol* 2005; 123(8):1127-33
- Kaur K, Reddy AB, Mukhopadhyay A, Mandal AK, Hasnain SE, Ray K, Thomas R, Balasubramanian D, Chakrabarti S.** Myocilin gene implicated in primary congenital glaucoma. *Clin Genet* 2005; 67(4):335-40
- Kencheppa P, **Sangwan VS, Ahmed N, Rao KR, Pathengay A, Mathai A, Mansoori T, Das T, Hasnain S, Sharma S.** High resolution genotyping of *Pseudomonas auroginosa* strains linked to acute post cataract surgery endophthalmitis outbreaks in India. *Ann Clin Microbiol Antimicrob* 2005; 4:19
- Kenchappa P, **Duggirala A, Ahmed N, Pathengay A, Das T, Hasnain SE, Sharma S.** Fluorescent amplified fragment length polymorphism (FAFLP) genotyping demonstrates the role of biofilm-producing methicillin-resistant periocular *Staphylococcus epidermidis* strains in postoperative endophthalmitis. *BMC Ophthalmology* 2006; 6:1-5
- Kompella VB, Dhar S, Aasuri MK, Sridhar MS. Spectacle frame induced irritant contact dermatitis. *Indian J Ophthalmol* 2005; 1(53):146
- Krishnaiah S, Das T, Nirmalan PK, Nutheti R, Shamanna BR, Rao GN, Thomas R.** Risk factors for age-related macular degeneration: Findings from the Andhra Pradesh Eye Disease Study in South India. *Invest Ophthalmol Vis Science* 2005; 46:4442-9
- Krishnaiah S, Vilas K, Shamanna BR, Rao GN, Thomas R, Balasubramanian D.** Smoking and its association with cataract: Results of the Andhra Pradesh Eye Disease Study from India. *Invest Ophthalmol Vis Sci* 2005; 46(1):58-65
- Krishnaiah S, Vilas K, Srinivas M, Bindiganavale R, Shamanna BR, Rao GN, Thomas R.** Awareness of glaucoma in the rural population of southern India. *Indian J Ophthalmol* 2005; 53(3):205-8
- Lall A, Mathai A, Thomas R.** Diagnostic methods for macular edema. (Letter to editor) *Ophthalmology* 2005; 112(4):734-5
- Majji AB, Vemuganti GK, Shah VA, Singh S, Das T, Jalali S.** A comparative study of epiretinal membranes associated with Eales' disease: A clinicopathologic evaluation. *Eye* 2006; 20 (1): 46-54
- Mandal AK, Chelerkar V, Nutheti R.** Outcome of cataract extraction and posterior chamber intraocular lens implantation following glaucoma filtration surgery. *Eye* 2005; 19:1000-8
- Mandal AK, Gothwal VK, Nutheti R.** Surgical outcome of primary developmental glaucoma: A single surgeon's long-term experience from a tertiary eye care centre in India. *Eye* 2006; March 31 (epub ahead of print)
- Maris PJG Jr, **Mandal AK, Netland PA.** Medical therapy of pediatric glaucoma and glaucoma in pregnancy. *Ophthalmic Clin N Am* 2005; 18:461-8
- Mittal V, **Sangwan VS, Fernandes M, Thomas R.** Survival analysis of conjunctival limbal grafts and amniotic membrane transplantation in eyes with total limbal stem cell deficiency. (Letter to the editor) *Am J Ophthalmology* 2006; 141:599-600

- Mukhopadhyay A, **Komatireddy S**, Acharya M, Bhattacharjee A, **Mandal AK**, Thakur SKD, **Chandrasekhar G**, Banerjee A, **Thomas R**, **Chakrabarti S**, Ray K. Evaluation of optineurin as a candidate gene in Indian patients with primary open angle glaucoma. *Mol Vis* 2005; 11:792-7
- Murthy R, Honavar SG**, Burman S, **Vemuganti GK, Naik MN**, Reddy VA. Neoadjuvant chemotherapy in the management of sebaceous gland carcinoma of the eyelid with regional lymph node metastasis. *Ophthalm Plast Reconstr Surg* 2005; 21(4):307-9
- Murthy R, Honavar SG, Naik MN**, Gopi S, Reddy VA. Ruthenium-106 plaque brachytherapy for the treatment of diffuse choroidal haemangioma in Sturge-Weber syndrome. *Indian J Ophthalmol* 2005; 53(4):274-5
- Murthy R, Honavar SG, Vemuganti GK, Naik MN**, Burman S. Polycystic echinococcosis of the orbit. *Am J Ophthalmol* 2005; 140(3):561-3
- Murthy R, Honavar SG, Vemuganti GK**, Burman S, **Naik M**, Parathasaradhi A. Ocular surface squamous neoplasia in Papillon-Lefevre syndrome. *Am J Ophthalmol* 2005; 139:207-9
- Naik MN, Murthy R, Raizada K, Honavar SG**. Ethanolamine oleate sclerotherapy in the management of orbito-palpebral cyst associated with congenital microphthalmos. *Am J Ophthalmol* 2005; 139(5):939-41
- Naik MN**, Soparkar CNS, **Murthy R, Honavar SG**. Botulinum toxin in ophthalmic plastic surgery. *Indian J Ophthalmol* 2005; 53(4):279-88
- Nirmalan PK, Krishnaiah S, Nutheti R, Shamanna BR, Rao GN, Thomas R**. Consanguinity and eye diseases with a potential genetic etiology. Data from a prevalence study in Andhra Pradesh, India. *Ophthalmic Epidemiol* 2006; 13(1):7-13
- Parikh R, Naik M, Mathai A**, Kuriakose T, Muliyl J, **Thomas R**. Role of frequency doubling technology perimetry in screening of diabetic retinopathy. *Indian J Ophthalmol* 2006; 54:17-22
- Pathengay A**, Shah GY, **Das T, Sharma S**. *Curvularia lunata* endophthalmitis presenting with a posterior capsular plaque. *Indian J Ophthalmol* 2006; 54(1):65-6
- Pushker N, Bajaj MS, Sharma V, **Balasubramanya R**. Profile of trauma-related residual periorbital deformities in Indian children. *Int Ophthalmol*. 2005; 25(4):239-42
- Pushker N, Bajaj MS, **Balasubramanya R**. Disseminated cysticercosis involving orbit, brain and subcutaneous tissue. *J Infect* 2005; 51(5): e245-8
- Pushker N, Chaturvedi A, **Balasubramanya R**, Bajaj MS, Kumar N, Sony P. Atypical presentations of orbital cysticercosis. *J Pediatric Ophthalmol Strabismus* 2005; 42(5):314-6
- Raizada K, Deepa R, Honavar SG, Naik MN**. Post enucleation socket syndrome: An ocularist view. *Journal of Facial and Somato Prosthesis* Apr 2005 ;10, (1):1-12
- Sangwan VS, Ramamurthy B**, Shah U, **Garg P**, Sridhar MS, **Rao GN**. Outcome of corneal transplant rejection: A 10-year study. *Clinical & Experimental Ophthalmology* 2005; 133(6):623-7
- Sangwan VS**, Burman S. Cataract surgery in Stevens-Johnson syndrome. *J Cataract Refract Surg* 2005; 31(4):860-2
- Sangwan VS, Murthy S, Vemuganti GK**, Bansal AK, Gangopadhyay N, **Rao GN**. Cultivated corneal epithelial transplantation for severe ocular surface disease in vernal keratoconjunctivitis. *Cornea* 2005; 24(4):426-30
- Sangwan VS**, Matalia HP, **Vemuganti GK, Fatima A**, Iftheekar G, Singh S, **Rao GN, Nutheti R**. Clinical outcome of autologous cultivated limbal transplantation. *Indian J Ophthalmol* 2006; 54(1):29-34
- Sangwan VS**, Ramamurthy B, Dattar SG, Evaluation of outcome of amniotic membrane transplantation with conjunctival limbal autograft for pterygium. *Asian J Ophthalmol* 2006; 8(1):20-3
- Sangwan VS**, Matalia HP, **Vemuganti GK**, Iftheekar G, **Fatima A**, Singh S, **Rao GN**. Early results of penetrating keratoplasty after cultivated limbal epithelium transplantation. *Arch Ophthalmol* 2005; 123:334-40
- Sapkota YD, Pokharel GP, **Nirmalan PK**, Dulal S, Maharjan IM, Prakash K. Prevalence of blindness and cataract surgery in Gandaki Zone, Nepal. *Br J Ophthalmol* 2006; 90(4):411-6
- Satav SS, **Thomas R**. Preventing steroid-induced glaucoma. *Arch Ophthalmol* 2005; 123(7):1018
- Sharma N, **Balasubramanya R**, Dada VK, Vajpayee RB. Efficacy of trypan blue in posterior capsulorhexis with optic capture in pediatric cataracts ISRCTN48221688. *BMC Ophthalmol* 2006; 6(1):12
- Sharma N, **Balasubramanya R**, Sinha R, Titiyal JS, Vajpayee RB. Retreatment of LASIK. *J Refract Surg* 2006; 22(4):396-401
- Sharma S**, Pasricha G, Das D, Aggarwal RK. *Acanthamoeba* keratitis in non-contact lens wearers in India: DNA typing-based validation and a simple detection assay. Cited in *Ocular Surgery News* 2005; Vol 16, No 4
- Shome D, **Vemuganti GK, Honavar SG**. Choroidal ganglioneuroma in a patient with neurofibromatosis type 1: A case report. *Eye* 2006; (e-pub ahead of print)
- Shome D, **Honavar SG**, Manderwad GP, **Vemuganti GK**. Ocular surface squamous neoplasia in a renal transplant recipient on immunosuppressive therapy. *Eye* 2006 (e-pub ahead of print)

- Singh HP, **Jalali S**, Hejtmancik JF, **Kannabiran C**. Homozygous null mutations in the ABCA4 gene in two families with autosomal recessive retinal dystrophy. *Am J Ophthalmol* 2006; 141:906-13
- Singhal S, **Vemuganti GK**. Primary adult human retinal pigment epithelial cell cultures on human amniotic membranes. *Indian J Ophthalmol* 2005; 53(2):109-13
- Singhal S, Sridhar MS, **Garg P**. Bilateral peripheral infiltrative keratitis after LASIK. *J Refract Surg* 2005; 21(4):402-4
- Sultana A**, Sridhar MS, Klintworth GK, **Balasubramanian D**, **Kannabiran C**. Allelic heterogeneity of the carbohydrate sulfotransferase-6 gene in patients with macular corneal dystrophy. *Clin Genet* 2005; 68:454-60
- Thomas R**, George R, Muliyl J, Jonas JB. Correlation of confocal laser scanning tomography with planimetric photographic measurements of the optic disc in a normal South Indian population: The Vellore Eye Study. *Indian J Ophthalmol* 2005; 53(4):289-94
- Thomas R**, Kumar RS, **Chandrasekhar G**, **Parikh R**. Applying the recent clinical trials on primary open angle glaucoma: The developing world perspective. *J Glaucoma* 2005; 14(4):324-7
- Thomas R**, **Nirmalan PK**, **Krishnaiah S**. Pseudoexfoliation in southern India: The Andhra Pradesh Eye Disease Study. *Invest Ophthalmol Vis Sci* 2005; 46 (4):1170-6
- Thomas R**, **Parikh R**, Sood D, Vijaya L, **Sekhar GC**, Sood NN, Baskaran M, Prasad KK; Latanoprost India Study Group: Efficacy and safety of latanoprost for glaucoma treatment: A three-month multicentric study in India. *Indian J Ophthalmol* 2005; 53(1):23-30
- Vedantham V, **Nirmalan PK**, Ramasamy K, Prakash K, Namperumalsamy P. Clinico-microbiological profile and visual outcomes of post-traumatic endophthalmitis at a tertiary eye care center in South India. *Indian J Ophthalmol* 2006; 54(1):5-10
- Vemuganti GK**, **Garg P**, **Sharma S**, **Joseph J**, **Gopinathan U**, Singh S. Is microsporidial keratitis an emerging cause of stromal keratitis? A case series study. *BMC Ophthalmol* 2005; 5(1):19
- Vemuganti GK**, Pasricha G, **Sharma S**, **Garg P**. Granulomatous inflammation in *Acanthamoeba keratitis*: An immunohistochemical study of five cases and review of literature. *Indian J Med Microbiol* 2005; 23(4):231-8
- Vemuganti GK**. Can we grow new retina? *Community Eye Health* 2006; 19:6-7
- Rao GN**. Primary Eye Care and Vision Centres. (Editorial), *IAPB News*, November 2005; No. 48
- Thomas R**. Visualizing the vitreous. (Letter to the editor), *Ophthalmology* 2005; 112(5):946
- Alfonso EC, Forster RK, **Garg P**, **Sharma S**. Chapter 16. 'Fungal infections in Smolin and Thoft's The Cornea, Scientific Foundations and Clinical Practice, 4th edition, editors: CS Foster, DT Azar, CH Dohlman, Lippincott Williams & Wilkins, NY, 2005
- Gothwal VK**, **Mandal AK**, Netland PA. The Pediatric Glaucomas. Management of residual vision in pediatric glaucomas. Elsevier Science, London, UK, 2005; Chapter 15, 103-6
- Jalali S**. Two-step approach to management of posterior segment trauma. In: Management of Ocular Trauma 2005, B Shukla, S Natrajan (ed). CBS Publishers, 207-15
- Jalali S**, **Ram LSM**. Electrophysiology of the eye. Chapter 181, In LC Dutta (ed), Modern Ophthalmology, Jaypee Brothers, 3rd Edition, New Delhi, 2005. Vol. 3: 1455-73
- Jalali S**. Retinitis pigmentosa and Associated Retinal Degeneration. Chapter 197. In LC Dutta (ed), Modern Ophthalmology. Jaypee Brothers, 3rd Edition, New Delhi, 2005. Vol. 3: 1641-9
- Mandal AK**, Netland PA, **Gothwal VK**. Advances in the management of developmental glaucoma. *Recent Advances in Ophthalmology*, Vol. 8, Editors: Nema HV and Nema N, Jaypee Brothers (New Delhi) 2006. Chapter 5:83-129
- Reddy M, **Sharma S**, **Rao GN**. Corneal ulcer. Chapter 24. In: LC Dutta, editor, Modern Ophthalmology, Jaypee Brothers, New Delhi, 2005. Vol 1:161-80
- Sharma S**. Infection Control Practices for ophthalmologists. Chapter 143 In: LC Dutta, editor, Modern Ophthalmology, Jaypee Brothers, New Delhi, 2005. Vol 2: 1121-6
- Sharma S**. Diagnostic methods in ocular microbiology. Chapter 25. In: LC Dutta, editor, Modern Ophthalmology, Jaypee Brothers, New Delhi, 2005. Vol 1:181-90

Presentations

In addition to the following, our faculty participated in other international/national scientific and non-scientific forums during the year.

D Balasubramanian

International

Organizer

Indo – US Workshop on Collaborative Eye Research (Part-II), Association for Research in Vision and Ophthalmology (ARVO), USA; National Eye Institute (NEI), USA; and L V Prasad Eye Institute, India; Fort Lauderdale, USA. April 29-30, 2005

Invited speaker

Association for Research in Vision and Ophthalmology (ARVO) annual meeting, Fort Lauderdale, USA. May 1-5, 2005

Third World Academy of Sciences, Trieste, Italy. May 9-28, 2005

University of Delaware, Newark, USA. June 17, 2005

Head of delegation

Andhra Pradesh delegation, meeting on biotechnology, Biotechnology Industry Organization 2005, Philadelphia, USA. June 18-22, 2005

Member

Meeting of Advisory Expert Committee for the teaching of Ethics, UNESCO, Paris, France. July 3-5, 2005

Invited speaker

Stem cell meeting, Royal Society, London, UK. July 18-19, 2005

Participant

Signing of Memorandum of Understanding, Indo-US Collaborative Eye Research, National Institute of Health, Bethesda, Maryland, USA. August 19-28, 2005

16th General Meeting, Third World Academy of Sciences, Alexandria, Egypt. November 25 – December 8, 2005

Member

Ethics meeting and International Basic Sciences Program meeting, UNESCO, Paris. March 17-22, 2006

National

Invited speaker

INDO-UK Stem Cell Workshop, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore. April 4, 2005

Chairperson

Research Advisory Committee meeting, Manovikas Research & Diagnostic Centre, Kolkata. April 7, 2005

New Millennium India in Technology Leadership Initiative (NMITLI) meeting, Council of Scientific and Industrial Research, New Delhi. June 1-2, 2005 & November 22, 2005 and at Hyderabad. September 12, 2005

Task force meeting, Department of Biotechnology, Government of India, New Delhi. July 14, 2005

Special Lecture

Shrimati Pushpa Sriramachari Foundation Day Oration, Institute of Pathology, New Delhi. July 27, 2005

Chairperson

14th annual meeting, Indian Eye Research Group, L V Prasad Eye Institute, Hyderabad. July 30-31, 2005

Invited speaker

International Symposium on Stem Cells, National Institute for Research in Reproductive Health, Mumbai. September 19-20, 2005

Indian Institute of Technology – Madras, Chennai. October 3, 2005

Symposium on 'Excitement of Science', The National Academy of Science, Allahabad. October 5-8, 2005

Chairperson

Task Force meeting on Stem Cells, Department of Biotechnology, Government of India, New Delhi. October 18-19, 2005

Task Force meeting on Genetic Aspects of Deafness, Ali Yavar Jung National Institute for the Hearing Handicapped, Hyderabad. October 20, 2005

Participant

Standing committee meeting for emeritus scientists & one time grant research committee, Council of Scientific & Industrial Research, New Delhi. October 25, 2005

Invited speaker

71st Annual Meeting, Indian Academy of Sciences, Tiruchirapalli. November 10-12, 2005

Chairperson

Planning meeting for workshop on clinical trials and research, International Centre for Genetic Engineering & Biotechnology, New Delhi. December 14, 2005

American Chemical Society – Indian Institute of Chemical Technology (IICT) Symposium, Hyderabad. January 11, 2006

XV meeting, Life Sciences Research Board, Defence Research & Development Organization, Bangalore. January 19, 2006

Indo-US Symposium, University of Hyderabad, Hyderabad. January 21, 2006

Invited speaker

Inaugural Address on Intellectual Property Rights & WTO Related Issues, Administrative Staff College of India, Hyderabad. January 23, 2006

Chairperson

Expert Committee on Capacity Building & Awareness Generation on Bioresource Development & Utilization, Department of Biotechnology, New Delhi. January 30, 2006

Invited speaker

Popular Science Talk, MS University, Baroda. February 3, 2006

Chairperson

Jury meeting for National Awards, Department of Science & Technology, New Delhi. February 8, 2006

Invited speaker

Directors Conference 2006, Defence Research & Development Organization, New Delhi. February 10, 2006

Chairperson

Stem cell task force meeting, Department of Biotechnology, New Delhi. February 23-24, 2006

International Symposium on Stem Cells and Regenerative Medicine, Reliance Life Sciences, Mumbai. February 27-28, 2006

3rd Indo-Australian Conference on Biotechnology, Centre for DNA Fingerprinting & Diagnostics, Hyderabad. March 7, 2006

Stem Cell Review Committee meeting, Department of Biotechnology, New Delhi. March 8-9, 2006

Invited speaker

Knowledge Millennium Summit on Biotechnology & Nanotechnology, Associated Chambers of Commerce and Industry of India, New Delhi. March 28, 2006

Shubhrakanti Bhattacharya

National

Poster presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Rapporteur

Workshop for monitoring and evaluation of VISION 2020: The Right to Sight programs, VISION 2020 India Forum and L V Prasad Eye Institute, LVPEI, Hyderabad. August 25-27, 2005

Subhabrata Chakrabarti

International

Poster presentation

Association for Research in Vision and Ophthalmology (ARVO) annual meeting, Fort Lauderdale, USA. May 1-5, 2005

Invited speaker

Louisiana State Health Science Centre, New Orleans, USA. May 7, 2005

World Glaucoma Congress, Association of International Glaucoma Societies, Vienna, Austria. July 6-9, 2005

World Congress of Ophthalmology, Sao Paulo, Brazil. February 19-24, 2006

National Eye Institute, National Institutes of Health, Bethesda, Maryland, USA. March 9, 2006

Bascom Palmer Eye Institute, University of Miami, Florida, USA. March 30, 2006

National

Invited speaker

Annual meeting, Indian Academy of Sciences, Tiruchirapalli. November 12, 2005

Anti Myopia meeting, Vision CRC and L V Prasad Eye Institute, LVPEI, Hyderabad. November 14-18, 2005

Participant

Annual meeting of the Indian Science Congress Association, Hyderabad. January 3-7, 2006

Beula Christy

National

Faculty

Development training on disability for community workers, ADD India, Kakinada, Andhra Pradesh. June 29 & July 6, 2005

Low Vision Awareness Program, supported by The Leprosy Mission (Kolkata), LVPEI, Hyderabad. December 2-4, 2005

Diabetic Retinopathy Project Field workers training program, ICARE – LVPEI, Kismatpur, Hyderabad. December 3, 2005

13th & 14th Low Vision Awareness Program, L V Prasad Eye Institute, Hyderabad. March 31 – April 2, 2006

Taraprasad Das

International

Paper presentation

Association for Research in Vision and Ophthalmology (ARVO) annual meeting, Fort Lauderdale, USA. May 1-5, 2005

Invited speaker

'Cell based therapy in retinal diseases', International Retina Conference, Vienna, Austria. September 2-3, 2005

National

Invited speaker

Vitreo retinal update, Carl Zeiss, Coimbatore. July 10, 2005

Faculty

Tenth Retina Congress, LVPEI, Hyderabad. August 26-28, 2005

Invited speaker

Focus 2005, Bombay Ophthalmological Society meeting, Mumbai. November 4-6, 2005

Mahendra Mishra Oration, East Zone Ophthalmological Society, Burla, Orissa, India. November 12-13, 2005

Faculty

Indo-Israel meeting, I2I – Indo Israel Ophthalmic Congress, Jointly organized by Sankara Nethralaya, Chennai; Aravind Eye Hospital, Madurai; L V Prasad Eye Institute, Hyderabad; Shri Ganapati Netralaya, Jalna; and Sri Sankaradeva Nethralaya, Guwahati; Chennai Convention Centre, Chennai. November 19-20, 2005

Presided/Invited speaker/Free paper presentation

Annual meeting of Vitreoretinal Society of India, Khajuraho. December 8-10, 2005

Invited speaker

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Sheela Devi

National

Faculty

Training of Trainers for School Eye Health Programs, ORBIS International, ICARE – LVPEI, Kismatpur, Hyderabad. June 27 – July 2, 2005

Eye care program management course, supported by ORBIS International India Country Office, ICARE-LVPEI, Kismatpur, Hyderabad. July 4-23, 2005

Organizer

Planning meeting of LIONS-LVPEI Capacity Building Project for management of Diabetic

Retinopathy in Andhra Pradesh, L V Prasad Eye Institute, Hyderabad. July 21, 2005

Paper & poster presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005.

Rapporteur

Workshop for monitoring and evaluation of VISION 2020: The Right to Sight programs, VISION 2020 India Forum and L V Prasad Eye Institute, LVPEI, Hyderabad. August 25-27, 2005

Faculty

CEH & CBR Fieldworkers Training Program of Capacity Development Project for the management of Diabetic Retinopathy in the State of Andhra Pradesh. ICARE – LVPEI, Kismatpur, Hyderabad. November 17 – December 17, 2005

Invited speaker

Awareness on diabetic retinopathy meeting for government, non government, and private health care providers of Karamchedu, Parachuru and Chirala mandals, Venkatalakshmi Eye Centre, Karamchedu, Andhra Pradesh. December 28, 2005

Kiran Didugu

National

Faculty

Training of Trainers for School Eye Health Programs, ORBIS International, ICARE – LVPEI, Kismatpur, Hyderabad. June 27 – July 2, 2005

Refresher Course for Paramedical Ophthalmic Assistants, L V Prasad Eye Institute, Hyderabad. December 27, 2005

Workshop for field organizers of Lions Eye Hospitals, ICARE – LVPEI, Kismatpur, Hyderabad. November 15, 2005

Organiser

Eye Health Festival, Pragathi Patasala, Ichoda, Adilabad district, Andhra Pradesh, India. October 27, 2005

Merle Fernandes

National

Faculty/Invited speaker

Focus 2005, Mumbai Ophthalmological Society Conference, Mumbai. November 4-6, 2005

Invited speaker

Uttar Pradesh State Ophthalmological Society Conference, Ghaziabad. November 12-13, 2005

Volunteer faculty

ORBIS-ESI-LVPEI Hospital Based Program, L V Prasad Eye Institute, Hyderabad. January 27, 2006

Faculty/Paper & Poster presentation

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Invited speaker

Eye Bank meeting, Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Invited speaker/Moderator

Cataract Surgery: Current Trends and Future Horizons workshop, L V Prasad Eye Institute, Hyderabad. March 4-5, 2006

Prashant Garg**International****Faculty**

World Cornea Congress, Washington DC, USA. April 13-15, 2005

Invited speaker

International Society of Refractive Surgery meeting, Hong Kong. May 14-16, 2005

Faculty

Penetrating keratoplasty surgery demonstration, King Fysal Hospital, Kigali, Rawanda. July 18-22, 2005

'On plane' surgical demonstration program for ORBIS International, Tripoli, Libya. September 9-15, 2005

Fourth International Congress on Ocular Infections, Sapporo, Japan. October 1-4, 2005

Volunteer faculty

ORBIS program, Chiclayo, Peru. February 6-10, 2006

National**Volunteer faculty**

Hospital Based Program, ORBIS International and Lucknow Eye Bank, Lucknow. December 12-13, 2005

Faculty

Cataract Surgery: Current Trends and Future Horizons workshop, L V Prasad Eye Institute, Hyderabad. March 4-5, 2006

Laxman Rao Golakonda**National****Faculty**

Diabetic Retinopathy Project Field workers training program, ICARE – LVPEI, Kismatpur, Hyderabad. December 5, 2005

Usha Gopinathan**National****Organizer & Faculty**

ORBIS International – Eye Sight International – LVPEI zonal meeting on eye banking and corneal transplantation, Bangalore. August 20, 2005

Invited speaker

Inauguration of Drusti Daan – 20th National Eye Donation Fortnight, Drusti Daan Eye Bank, Bhubaneswar. August 28, 2005

Faculty

National workshop on Hospital Cornea Retrieval Program, ORBIS International & Eye Bank Association of India, Lucknow. December 17, 2005

Invited speaker

Strategic meeting for eye banking in India, jointly organized by Eye Bank Association of India, ORBIS International, VISION 2020: The Right to Sight, and Ministry of Health, Government of India, New Delhi. December 19-20, 2005

Organizer/Faculty

Workshop on Operating Room Protocols, L V Prasad Eye Institute, Hyderabad. January 8, 2006

Vijaya K Gothwal**International****Paper presentation**

Vision 2005, International Society for Low Vision Research and Rehabilitation (ISLRR), hosted by Royal National Institute for the Blind (RNIB), London, UK. April 4-7, 2005 (*Received a travel grant to attend the conference*)

National**Invited speaker**

ESO International Conference of Vision Science and Optometry 2005, Elite School of Optometry, Sankara Nethralaya, Chennai, Tamilnadu. August 13-15, 2005

Faculty

Low Vision Awareness Program, supported by The Leprosy Mission (Kolkata), LVPEI, Hyderabad. December 2-4, 2005

13th & 14th Low Vision Awareness Program, L V Prasad Eye Institute, Hyderabad. March 31-April 2, 2006

Santosh G Honavar**International****Chairperson of Session/Member, Program Committee**

International Congress of Ocular Oncology, Whistler, BC, Canada. September 2-5, 2005

National**Faculty**

Ocular Oncology Update, Karnataka Ophthalmological Society and Narayana Nethralaya, Bangalore. April 24, 2005

Oculoplasty and Oncology Symposium, Kerala Ophthalmological Society and Little Flower Hospital, Angamaly, Kerala. May 1, 2005

Faculty/Chairperson of Session

I2I – Indo Israel Ophthalmic Congress, jointly organized by Sankara Nethralaya, Chennai; Aravind Eye Hospital, Madurai; L V Prasad Eye Institute, Hyderabad; Shri Ganapati Nethralaya, Jalna; and Sri Sankaradeva Nethralaya, Guwahati; Chennai Convention Centre, Chennai. November 19-20, 2005

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Anji Hussain**National****Faculty**

Retina Update, Hyderabad Ophthalmic Association, Hyderabad. June 26, 2005

Tenth Retina Congress, L V Prasad Eye Institute, Hyderabad. August 26-28, 2005

Nazimul Hussain**International****Faculty**

Indian Advisory Board meeting for 'Visudyne', Novartis India, Mauritius. December 2-4, 2005

Invited speaker

Alim Memorial Guest Lecture on 'Management of macular disease in an aging eye', Bangladesh Ophthalmological Society, Dhaka, Bangladesh. March 1-3, 2006

National**Faculty**

CME, Sarojini Eye Hospital, Hyderabad. May 29, 2005

Retina Update, Hyderabad Ophthalmic Association, Hyderabad. June 26, 2005

Tenth Retina Congress, L V Prasad Eye Institute, Hyderabad. August 26-28, 2005

121 – Indo Israel Ophthalmic Congress, jointly organized by Sankara Nethralaya, Chennai; Aravind Eye Hospital, Madurai; L V Prasad Eye Institute, Hyderabad; Shri Ganapati Netralaya, Jalna; and Sri Sankaradeva Nethralaya, Guwahati; Chennai Convention Centre, Chennai. November 19-20, 2005

Annual conference of Vitreoretinal Society of India, Khajuraho. December 8-10, 2005

Invited speaker

Visudyne Therapy, Novartis India, Kolkata. December 28, 2005

Seminar on AMD, Novartis India, Guwahati. December 30-31, 2005

Faculty

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Didactic lecture on PDT, Sankardeva Nethralaya, Guwahati. March 3, 2006

International Vitreo Retinal meet, Sankardev Nethralaya, Guwahati. March 4-5, 2006

Macula Update, Hyderabad Ophthalmic Association, Hyderabad. March 12, 2006

Subhadra Jalali

International

Paper presentation

3rd British-ISCEV annual meeting, Glasgow, UK. August 22-23, 2005

Paper & Poster presentation

43rd ISCEV annual meeting, Glasgow, UK. August 23-27, 2005

Participant

Two day tutorial on Visual Electrophysiology, Moorfields Eye Hospital, London, UK. August 28-29, 2005

Chairperson/Invited speaker/Poster presentation

Update in retinopathy of prematurity, World Congress of Ophthalmology, Sao Paulo, Brazil. February 18-24, 2006

National

Invited speaker

CME, ROP screening and management, Indian Medical Association, Guntur Chapter, Guntur, Andhra Pradesh. April 2, 2005

CME on electrophysiology, Sarojini Devi Eye Hospital, Hyderabad. May 29, 2005

Talk on ROP, Schell Eye Hospital, Vellore, Tamil Nadu. June 7, 2005

CME on ROP, Indian Medical Association, Anantapur, Andhra Pradesh. July 31, 2005

CME on ocular electrodiagnostics and neuro-imaging, Shroff Eye Hospital, New Delhi. August 21, 2005

International conference on pediatric ophthalmology (sponsored by ORBIS International), PMBA's H V Desai Eye Hospital, Pune. September 24-25, 2005

Symposium on Childhood Blindness and Diabetic Retinopathy, LVPEI – Lions Club International Foundation, LVPEI, Hyderabad. October 14, 2005

Sessions on ocular trauma/vitreoretinal diseases, Focus 2005 – Annual conference of Maharashtra Ophthalmological Society, Mumbai. November 2-4, 2005

Workshop on electrophysiology, Aditya Jyot Eye Hospital, Mumbai. December 4, 2005

CME on ROP, Bhimavaram, Andhra Pradesh, India. December 11, 2005

CME on electrophysiology, Maharashtra Ophthalmological Association, Mumbai. December 18, 2005

CME on ROP, Muslim Maternity and Zanana General Hospital, Hyderabad. December 24, 2005

Symposium on Multifocal Electrodiagnostics, Narayana Nethralaya, Bangalore. January 18, 2006

CME on ROP, Tulsi Eye Hospital, Nasik. February 12, 2006

CME on ROP, Aditya Jyot Eye Hospital, Mumbai. February 26, 2006

Denny John

National

Paper presentation

Meeting on 'Creating entrepreneurship environment and developing entrepreneurial management,' Indian Institute of Technology – Bombay, Mumbai. March 16-18, 2006

(Received a travel grant)

Korani Jyothi

National

Faculty

Sight for Kids Teachers Training Program. ICARE – LVPEI, Round Table School, Hyderabad. December 8, 2005

School Eye Screening, Manonethra School Teachers Training Program, Hyderabad. January 27, 2006

Chitra Kannabiran

International

Invited speaker

Global Health Research Initiative Program (GRIP) Network meeting, Fogarty International Center, National Institutes of

Health, Bethesda, Maryland, USA.

June 3, 2005

Seminar, National Eye Institute, Bethesda, Maryland, USA. June 7, 2005

National

Organizer

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Inderjeet Kaur

National

Paper presentation

XIV Annual Conference of Vitreo Retinal Society of India, Khajuraho.

December 8-10, 2005

Sarfraz A Khan

International

Invited speaker/Paper presentation

Vision 2005, International Society for Low Vision Research and Rehabilitation (ISLRR), hosted by Royal National Institute for the Blind (RNIB), London, UK. April 4-7, 2005 *(Received a travel grant to attend the conference)*

National

Faculty

CME for postgraduate students from medical colleges of Andhra Pradesh, Sarojini Devi Eye Hospital, Hyderabad. May 5, 2005

CME, Lotus College of Optometry, Mumbai. May 9-11, 2005

Workshop, Vivekananda Mission Asram, Chaitanyapur (Haldia), supported by Sight Savers International, Mumbai.

June 27-30, 2005

CME, Nanded Ophthalmic Association and ORBIS International, Nanded. July 10, 2005

Resource person

National workshop on low vision, Blind People's Association, supported by VISION 2020: The Right to Sight – India Forum, Ahmedabad. August 30-31, 2005

Invited speaker

CME, Bombay Ophthalmologists' Association, Mumbai. October 9, 2005

Faculty

Low Vision Awareness Program, supported by The Leprosy Mission (Kolkata), LVPEI, Hyderabad.

December 2-4, 2005

Focus Macula 2006, Hyderabad Ophthalmological Association, Hyderabad. March 12, 2006

Organizer

13th and 14th Low Vision Awareness Program, LVPEI, Hyderabad. September 23-25, 2005, and March 31 – April 2, 2006

Rohit Khanna**National****Faculty**

'Eye Care Manager Workshop', ICARE-LVPEI, Kismatpur, Hyderabad. July 6, 2005

Invited speaker

CME, Indian Medical Association, Chandrapur, Maharashtra, India. October 2, 2005

Organizer

LVPEI Partner and Satellite Hospital Meet, ICARE – LVPEI, Kismatpur, Hyderabad. November 12, 2005

Faculty

Eye Care Manager Workshop, ICARE – LVPEI, Kismatpur, Hyderabad. January 23 – February 18, 2006

Invited speaker/Video & Poster presentation

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Governance & Global Perspective on Quality, Partners workshop jointly organized by Operation Eyesight Universal, Canada, and L V Prasad Eye Institute at Hyderabad. March 16-18, 2006

Vilas Kovai**National****Paper presentation**

Conference on 'Transforming India - Agenda for Research', Narsee Monjee Institute of Management Studies (NMIMS), Mumbai. September 30, 2005

Pravin V Krishna**International****Poster/Video/Free paper presentation**

American Society of Cataract and Refractive Surgery (ASCRS) Symposium 2006, San Francisco, USA. March 17-22, 2006

National**Organiser/Faculty**

34th & 35th Indian Contact Lens Education Programme, LVPEI, Hyderabad. July 3-6 & December 1-5, 2005

Session on clinical challenges, Annual Conference of A P State Ophthalmological Society, Kurnool, Andhra Pradesh, India. October 30-31, 2005

Faculty/Video/Free paper presentation

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Moderator

Eye banking session, Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Mahalakshmi M**National****Faculty**

Diabetic Retinopathy Project Field workers training program, ICARE – LVPEI, Kismatpur, Hyderabad. December 6, 2005

Ajit B Majji**National****Invited speaker**

Tenth Retina Congress, L V Prasad Eye Institute, Hyderabad. August 26-28, 2005

Focus 2005, Bombay Ophthalmological Society Annual Conference, Mumbai. November 4-6, 2005

Annual meeting of Vitreoretinal Society of India, Khajuraho. December 8-10, 2005

Invited speaker

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Anil K Mandal**International****Thought leader**

Indo – US Workshop on Collaborative Eye Research (Part-II), Association for Research in Vision and Ophthalmology (ARVO), USA; National Eye Institute (NEI), USA; and L V Prasad Eye Institute, India; Fort Lauderdale, USA. April 29-30, 2005

Invited speaker

Association for Research in Vision and Ophthalmology (ARVO) annual meeting, Fort Lauderdale, USA. May 1-5, 2005

World Congress of Ophthalmology 2006, Sao Paulo, Brazil. February 19-24, 2006

National**Invited speaker**

CME, Sarojini Devi Eye Hospital, Hyderabad. May 22, 2005

Faculty/Poster presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Invited speaker

International Pediatric Ophthalmology Conference, HV Desai Eye Hospital, Pune. September 24-25, 2005

Faculty

Symposium on Childhood Blindness and Diabetic Retinopathy, LVPEI – Lions Club International Foundation, LVPEI, Hyderabad. October 14, 2005

Invited speaker

Ramakrishna Mission Blind Boys Academy, Narendrapur, West Bengal, India. December 1, 2005

Indian Statistical Institute, Kolkata. December 1, 2005

'The medical mind of Tagore', 73rd Reunion Session of Nilratan Sircar Medical School & College, Kolkata. December 1-3, 2005 & Visva Bharati University, Shantiniketan, West Bengal, India. December 4, 2005

International Day for Disabled Persons, Shantiniketan, Bolpur, West Bengal, India. December 3, 2005

XV annual conference of Glaucoma Society of India, M & J Institute of Ophthalmology, Ahmedabad. December 17-18, 2005

Faculty

Challenges in the management of congenital glaucoma, Sarojini Devi Eye Hospital, Hyderabad. January 22, 2006

Invited speaker/Video presentation

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Manjula Marella**National****Poster presentation**

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

ESO International Conference of Vision Science and Optometry 2005, Elite School of Optometry, Sankara Nethralaya, Chennai, Tamilnadu. August 13-15, 2005

Faculty

Diabetic Retinopathy Project Field workers training program, ICARE – LVPEI, Kismatpur, Hyderabad. November 30, 2005

Low Vision Awareness Program, supported by The Leprosy Mission (Kolkata), LVPEI, Hyderabad. December 2-4, 2005

Srinivas Marmamula

National

Special invitee

For developing optometry course for Yashwant Chauhan University, Nasik. June 13, 2005

Faculty/Convener

Andhra Pradesh Government Para Medical Ophthalmic Assistants Refresher course on Clinical Techniques, supported by AP Right to Sight Society, ICARE – LVPEI, Kismatpur, Hyderabad. June 24-25, 2005

Training of Trainers for School Eye Health Programs, ORBIS International, ICARE – LVPEI, Kismatpur, Hyderabad. June 27 – July 2, 2005

Eyecare program management course, supported by ORBIS International, ICARE – LVPEI, Kismatpur, Hyderabad. July 4-23, 2005

Rapporteur

Workshop for monitoring and evaluation of VISION 2002: The Right to Sight program India forum and L V Prasad Eye Institute, LVPEI, Hyderabad. August 25-27, 2005

Invited speaker

International Pediatric Ophthalmology conference, supported by ORBIS International, H V Desai Eye Hospital, Pune. September 24-25, 2005

Faculty/Convener

Andhra Pradesh Government Para Medical Ophthalmic Assistants Refresher course on Clinical Techniques, Supported by NPCB, Andhra Pradesh, ICARE – LVPEI, Kismatpur, Hyderabad. December 26-31, 2005

Refresher course for 32 Vision Technicians, ICARE – LVPEI, Kismatpur, Hyderabad. February 10-11, 2006

Invited speaker

Dr R P Centre for Ophthalmic Sciences, All India Institute of Medical Sciences, New Delhi, supported by International Centre for Eye Health, London, and VISION 2020: The Right to Sight India Forum, Surajkund, Haryana. March 20-25, 2006

Annie Mathai

National

Faculty

14th annual meeting, Indian Eye Research Group, L V Prasad Eye Institute, Hyderabad. July 30-31, 2005

Tenth Retina Congress, L V Prasad Eye Institute, Hyderabad. August 26-28, 2005

Invited speaker

Symposium on Childhood Blindness and Diabetic Retinopathy, LVPEI – Lions Club International Foundation, LVPEI, Hyderabad. October 14, 2005

Update on Medical Retina, West Bengal Ophthalmologic Society, Kolkata. January 15, 2006

Resource person

National workshop on diabetic retinopathy, VISION 2020: The Right to Sight, Chaitanyapur, West Bengal. January 31 – February 1, 2006

Shobha Mocherla

National

Invited speaker

First National Conference on Bioethics, Mumbai. November 25-27, 2005
(Received a travel fellowship)

BSR Murthy

International

Poster/Free paper presentation

Annual meeting, American Society of Cataract and Refractive Surgery – American Society Ophthalmic Administrators (ASCRS-ASOA), San Francisco, USA. March 17-22, 2006

Somasheila Murthy

National

Paper presentation

Meeting of Indian Association of Pathologists and Microbiologists, State chapter, Hyderabad. September 3-4, 2005

Free paper presentation

Fifth Annual Meeting, Uveitis Society of India, Jalna, Maharashtra, India. October 8-9, 2005

Faculty

Workshop on building and managing clinical trial capacity in India, Jointly organized by Indian Council of Medical Research, New Delhi; Administrative Staff College of India (ASCI), Hyderabad; and Fordham University, USA; ASCI, Hyderabad. October 21-22, 2005

Session on clinical challenges, Annual Conference of A P State Ophthalmological Society, Kurnool, Andhra Pradesh, India. October 30-31, 2005

Invited speaker

Closed door CME meeting of the Madras Ophthalmologists Association, Prem's Eye Clinic, Chennai. November 29, 2005

Organizer and Faculty

Cataract Surgery: Current Trends and Future Horizons workshop, L V Prasad Eye Institute, Hyderabad. March 4-5, 2006

Faculty

First meeting of Indian Association for Ocular Pathology at R P Centre for Ophthalmic Sciences, All India Institute of Medical Sciences (AIIMS), New Delhi. March 25, 2006

Milind N Naik

International

Paper, Poster & Video presentation

23rd annual meeting, European Society of Ophthalmic Plastic and Reconstructive Surgery, Island of Crete, Greece. September 15-17, 2005

Faculty

XIV Annual Congress of the College of Ophthalmologists, Colombo, Sri Lanka. October 13-14, 2005

Invited speaker

Joint meeting of Philippines Academy of Ophthalmology (PAO) and American Academy of Ophthalmology (AAO), Manila, Philippines. November 28 – December 1, 2005

Annual meeting of Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS), Manila, Philippines. November 28 – December 1, 2005

National

Faculty

Oncoplasty Symposium, Little Flower Eye Hospital, Angamaly, Kerala. May 1, 2005

CME, Sarojini Devi Eye Hospital, Hyderabad. May 27, 2005

Annual meeting, Tamil Nadu Ophthalmic Association, Kodaikanal. August 12-14, 2005

Symposium on Aesthetic Ophthalmic Plastic Surgery, M N Eye Hospital, Chennai. August 28, 2005

Oculoplasty Live Surgical Workshop, KEM Hospital, Pune. September 23, 2005

Invited speaker

Oculoplasty Symposium, International Pediatric Ophthalmology Conference, H V Desai Eye Hospital, Pune. September 24-25, 2005

Faculty

ORBIS International Hospital Based Program, HV Desai Eye Hospital, Pune. February 24-25, 2006

Praveen K Nirmalan**International****Thought leader**

Indo – US Workshop on Collaborative Eye Research (Part-II), Association for Research in Vision and Ophthalmology (ARVO), USA; National Eye Institute (NEI), USA; and L V Prasad Eye Institute, India; Fort Lauderdale, USA. April 29-30, 2005

National**Invited speaker**

Social entrepreneurship in health care in India – Leadership Conference on Best Practices, Aspen Institute & Aspen Institute India, Global Business Coalition on HIV/AIDS, William A Haseltine Foundation for Medical Sciences and the Arts Lind Family Trust, Strategic Partners Group of Companies, New Delhi. November 19-20, 2005

Rajul S Parikh**International****Invited speaker**

Presentation on VISION 2020 program and LVPEI, University of Mannheim, Mannheim, Germany. September 22, 2005

Societas Ophthalmologica Europaea (European Society of Ophthalmology), Deutsche Ophthalmologische Gesellschaft, Berlin, Germany. September 25-29, 2005

National**Invited speaker**

15th Annual Meeting of Glaucoma Society of India, Ahmedabad. December 16-18, 2005

Avinash Pathengay**National****Invited speaker**

CME on 'Red Alert', Chaithanya Eye Hospital and Research Centre, Thiruvananthapuram, Kerala. July 17, 2005

Organizer

Tenth Retina Congress, L V Prasad Eye Institute, Hyderabad. August 26-28, 2005

Invited Speaker/Faculty

Focus 2005, Bombay Ophthalmological Society Annual Conference, Mumbai. November 4-6, 2005

Invited speaker

I2I – Indo Israel Ophthalmic Congress, Jointly organized by Sankara Nethralaya, Chennai; Aravind Eye Hospital, Madurai; L V Prasad Eye Institute, Hyderabad; Shri Ganapati Netralaya, Jalna; and Sri Sankaradeva Nethralaya, Guwahati; Chennai Convention Centre, Chennai. November 19-20, 2005

Invited speaker/Faculty/**Poster presentation**

Instruction course, Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Kuldeep Raizada**National****Poster presentation**

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30, 2005

Paper presentation

XVI annual meet of Oculoplastic Association of India, Post Graduate Institute, Chandigarh. October 1-2, 2005

Paper/Video presentation

XXIV Annual State Conference, Karnataka Ophthalmic Society, Bangalore. November 4-6, 2005

Guest faculty/Paper presentation

32nd All India Optometric Conference, Khajuraho, Madhya Pradesh. December 24-26, 2005

Paper presentation

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Chairperson/Moderator/Invited speaker

First CME, Indian Optometric Association, Bhopal. February 12, 2006

Usha Raman**National****Paper presentation**

Second International Conference on Technology, Knowledge and Society, organized by Common Ground, Hyderabad. December 12-15, 2005

Invited speaker

Elixir Correspondents Meet, Dr Reddy's Laboratories, Hyderabad. December 19, 2005

Symposium on 'New frontiers in nutrition extension and communication', jointly organized by Indian Dietetic Association (AP Chapter) and the National Institute of Nutrition (NIN), NIN, Hyderabad. March 27, 2006

D Deepa Rani**International****Observer**

Ocular Prosthetics, Moorfields Eye Hospital, London, UK. May 2 – July 31, 2005

Sulochana Rani**National****Invited speaker**

Awareness on diabetic retinopathy meeting for government, non government, and private health care providers of Karamchedu, Parachuru and Chirala mandals, Venkatalakshmi Eye Centre, Karamchedu, Andhra Pradesh. December 28, 2005

Gullapalli N Rao**International****Keynote speaker**

Vision 2005, International Society of Low Vision Research and Rehabilitation (ISLRR), hosted by Royal National Institute for the Blind (RNIB) London, UK. April 4-7, 2005

Invited speaker

Joint meeting of VIII International Congress of the Pan Arab African Council of Ophthalmology and XII UAE International Ophthalmic Conference of the Emirates Medical Association, Dubai, United Arab Emirates. April 7 – 10, 2005

Professor's Rounds, Wilmer Eye Institute, The Johns Hopkins University School of Medicine, Baltimore, USA. April 13, 2005

World Cornea Congress, Washington, DC, USA. April 13-15, 2005

Thought leader

Indo – US Workshop on Collaborative Eye Research (Part-II), Association for Research in Vision and Ophthalmology (ARVO), USA; National Eye Institute (NEI), USA; and L V Prasad Eye Institute, India; Fort Lauderdale, USA. April 29-30, 2005

Guest of honour

Third International Congress of Italian Ophthalmological Society, Florence, Italy. May 9-11, 2005

Invited speaker

Scientific Conference & Exhibition on Prevention of Blindness & Eye Diseases, Tripoli, Libya. June 14-16, 2005

Rotary International Centennial Convention, Chicago, USA. June 19-22, 2005

Non-Governmental Organizations and Centres of Excellence, World Glaucoma Congress, The Association of International Glaucoma Societies, Vienna, Austria. July 6-9, 2005

Progress on VISION 2020: The Right to Sight, National Plan Workshop, organised jointly by World Health Organisation, International Agency for the Prevention of Blindness and other global partners, Sana'a, Yemen. August 15-19, 2005

'Eye Care Delivery in Developing Countries – What can we do?' 10th Congress of Chinese Ophthalmological Society, Chinese Medical Association, Tianjin, China. September 8-12, 2005

Expectations of the IAPB from European Ophthalmologists, Joint meeting of the 15th European Society of Ophthalmology and 103rd Congress of the German Society of Ophthalmology, Berlin, Germany. September 8-12, 2005

Chairman/Invited speaker

World Congress of Ophthalmology, Sao Paulo, Brazil. February 18-24, 2006

Eye Banking Model for Developing Countries

Session: The Epidemiology of Corneal Blindness

International Focus: Utilization of Ophthalmic Assistants – India

Session: Allied Personnel Program: Understanding the Role of Ophthalmic Assistant

Eye Banking Systems for Developing Countries – A Model:

Session: AOI Session – New Developments in Medical & Surgical Cornea

Plans for Andhra Pradesh, India

Session: Planning for the Control of Blindness in Children

VISION 2020: The Right to Sight, The Second China NGOs Coordination Meeting, ORBIS International, Shenyang, Liaoning, China. March 22, 2006

Liaoning Provincial Vision 2020 Planning Workshop, Provincial Health Bureau, Liaoning, Shenyang, China. March 23-24, 2006

National

Invited speaker

Health Research to Health Care, Dr K V Rao Annual Memorial Oration & Research Awards – 2005, Dr K V Rao Scientific Society, Hyderabad. April 1, 2005

National Workshop on Resource Mobilisation, VISION 2020: The Right to Sight – India and LVPEI, Hyderabad. May 26, 2005

Faculty

'Progress of Global VISION 2020: Infrastructure Development for Eye Care in India', VISION 2020: The Right to Sight Workshop on Community Eye Health, organized jointly by ICARE-LVPEI and International Centre for Eye Health, London School of Hygiene & Tropical Medicine, ICARE-LVPEI, Kismatpur, Hyderabad. August 25-28, 2005

Chairperson for session & Faculty

'Present Priorities & VISION 2020: Global Perspective', Conference on Community Ophthalmology, Venu Eye Institute, New Delhi. September 30 – October 2, 2005

Faculty

World Sight Day Celebrations, VISION 2020: The Right to Sight – India and Andhra Pradesh Right to Sight Society, JNTU Campus, Hyderabad. October 13, 2005

The Problem of Blindness in the World, The International Association of Lions Clubs (Lions Clubs International), Hyderabad. October 14, 2005

Future Directions, Satellite and Partner Hospital meet, ICARE-LVPEI, Kismatpur, Hyderabad. November 12, 2005

Invited speaker

Community Ophthalmology in India: The LVPEI model, I2I – Indo Israel Ophthalmic Congress, Jointly organized by Sankara Nethralaya, Chennai; Aravind Eye Hospital, Madurai; L V Prasad Eye Institute, Hyderabad; Shri Ganapati Netralaya, Jalna; and Sri Sankaradeva Nethralaya, Guwahati; Chennai Convention Centre, Chennai. November 19-20, 2005

Tackling Corneal Blindness – An Integrated Approach, ORBIS India, New Delhi. December 20, 2005

Chairman/Invited speaker

Pediatric Blindness in India - Symposium on Childhood Blindness, Goutami Eye Institute, Rajahmundry, Andhra Pradesh, India. February 5, 2006

Brainstorming meeting for the Development of a 'Community Development Institute', ICARE – LVPEI, Kismatpur, Hyderabad. March 15, 2006

Governance & Global Perspective on Quality, Partners workshop jointly organized by Operation Eyesight Universal, Canada, and L V Prasad Eye Institute at Hyderabad. March 16-18, 2006

B Venkateshwar Rao

National

Invited speaker

Delhi Ophthalmological Society meeting, New Delhi. April 2-3, 2005

'Management of Congenital esotropia' and 'Paralytic Strabismus', CME, CSI Complex, Bangalore. July 17, 2005

Virender S Sangwan

International

Poster presentation

Association for Research in Vision and Ophthalmology (ARVO) annual meeting, Fort Lauderdale, USA. May 1-5, 2005

Faculty

Northwestern University, Chicago, USA. May 6, 2005

Invited speaker

Meeting on VKH and Sympathetic Ophthalmia, International Study Group on VKH, Monte Carlo, Italy. May 25-27, 2005

Workshop on 'Ocular surface disorders including amniotic membrane grafts & stem cell culturing', Srilankan College of Ophthalmologists, Colombo, Sri Lanka. July 24, 2005

Surgical demonstrations/ presentations

Hospital Based Corneal Program, ORBIS International and Islamia Eye Hospital, Dhaka, Bangladesh. August 6-13, 2005

Faculty/Invited speaker

Plenary session on Corneal Diseases, Winter Ophthalmology Symposium, Saas-Fe, Switzerland. January 19-22, 2006

Invited speaker

Ophthalmology Update, Well-Care Hospital, Dubai. March 18, 2006

Volunteer faculty

ORBIS LVP Hospital Based Cornea Program, ORBIS International, Ghana, Accra. March 18-26, 2006

National

Invited speaker

International workshop on Stem Cell Therapy in India, Christian Medical College (CMC), Vellore, Tamil Nadu. June 29-30, 2005

Symposium on Stem Cells: Premises & Promises for Research & Therapeutics, National Institute for Research in Reproductive Health (Indian Council of Medical Research), Indian Society for the Study of Reproduction and Fertility & Histostem (USA) and CTIS Inc. (USA), Mumbai. September 18-21, 2005

Fifth Annual Meeting, Uveitis Society of India, Jalna, Maharashtra, India. October 8-9, 2005

Annual meeting, Karnataka Ophthalmic Society, Bangalore. November 4-6, 2005

Golden Jubilee Meeting, jointly organized by Bombay Ophthalmologists Association, Maharashtra Ophthalmic Society and Vidharbha Ophthalmic Society, Mumbai. November 4-6, 2005

World Knowledge Hub: India R&D 2006, FICCI and Department of Science and Technology, Government of India, Vigyan Bhavan, New Delhi. November 7-8, 2005

I2I – Indo Israel Ophthalmic Congress, Jointly organized by Sankara Nethralaya, Chennai; Aravind Eye Hospital, Madurai; L V Prasad Eye Institute, Hyderabad; Shri Ganapati Netralaya, Jalna; and Sri Sankaradeva Nethralaya, Guwahati; Chennai Convention Centre, Chennai. November 19-20, 2005

Ocular Surface Update, Indore Ophthalmic Society, Indore. December 4-5, 2005

Strategic meeting for eye banking in India, Jointly organized by Eye Bank Association of India, ORBIS International, VISION 2020: The Right to Sight, Ministry of Health, Government of India, New Delhi. December 19-20, 2005

International Symposium on Stem cell: From Laboratory to Treatment of Diseases, Imgenex India Private Limited, Bhubaneswar. December 27-28, 2005

Mid term Delhi Ophthalmic Society Conference, Shroff Charitable Eye Hospital, New Delhi. January 7, 2006

ORBIS LVP Hospital Based Cornea Program, ORBIS International, Dhaka, LVPEI, Hyderabad. January 22-26, 2006

Cataract Surgery: Current Trends and Future Horizons workshop, L V Prasad Eye Institute, Hyderabad. March 4-5, 2006

Comprehensive Cornea Conference, Bombay Ophthalmologists Association, Mumbai. March 11-12, 2006

G Chandra Sekhar

International

Faculty/Paper presentation

Represented Glaucoma Society of India as its President at the inaugural assembly and expert session, World Glaucoma Congress, Vienna, Austria. July 6-9, 2005

National

Invited speaker

CME, Sarojini Devi Eye Hospital, Hyderabad. May 21, 2005

Symposium coordinator

A Review of Glaucoma Diagnostics and Therapy, Pfizer and Pharmacia, Mumbai, June 25-26, 2005

Invited speaker

Glaucoma Zonal meeting, Pfizer Ophthalmics, Kolkata. August 6-7, 2005

Nagpur Academy of Ophthalmology seminar, Nagpur. August 28, 2005

Keynote speaker

Dr M V Albal Oration, Deccan Ophthalmic Association annual meeting, Bidar, Karnataka. September 17-18, 2005

Invited speaker/Moderator

National Comprehensive Glaucoma Update, Glaucoma Society of India, Allahabad. September 25, 2005

Organiser/Invited speaker

Seminar, jointly organized by Glaucoma Society of India and Nagpur Ophthalmological Society, Nagpur. October 16, 2005

Seminar, jointly organized by Glaucoma Society of India and Ubhaya Godavari District Ophthalmological Society, Rajahmundry, Andhra Pradesh, India. December 4, 2005

Seminar, jointly organized by Glaucoma Society of India and Solapur Ophthalmological Society, Solapur, Maharashtra, India. December 11, 2005

XIV Annual Meeting of Glaucoma Society of India, Ahmedabad. December 16-18, 2005

Glaucoma Update, Glaucoma Society of India, Eye Foundation and Management, Coimbatore. March 5-6, 2006

B R Shamanna

International

Guest faculty

Module for MSc (Community Eye Health) course, International Centre for Eye Health, London School of Hygiene and Tropical Medicine, London, UK. May 18-21, 2005

Invited speaker

Global meet on planning for refractive error services and community based strategies, Sight Savers International and International Centre for Eyecare Education, Durban, South Africa. September 26-31, 2005

Planning consultant

Development of the ORBIS – Vietnam Country Program Long Range Strategy Plan, ORBIS Vietnam Country Office, Hanoi, Vietnam. October 29 – November 12, 2005

Invited evaluator

ORBIS India supported 'Pediatric Eye Care Project', Sree Rana Ambika Shah Eye Hospital and Lumbini Eye Institute, Bhairawa, Nepal. February 1-4, 2006

National

Participant

Providing Eye Care through Empowered People (PEEP) Project Review Meeting, along with ORBIS India country office and Swami Vivekananda Youth Movement, Sargur, Vivekananda Institute for Leadership Development, Mysore. August 18-19, 2005

Invited speaker

International Pediatric Ophthalmology Conference, supported by ORBIS International, H V Desai Eye Hospital, Pune. September 24-25, 2005

Facilitator

Eye Care Service Delivery Model for the 'VISION 2020: The Right to Sight' Global Initiative, Development of District Eye Care Services Manual – The Bhosle Gopal Rao Patel Rural Eye Centre, Mudhol, Commissioned by International Centre for Eye Health, London, UK, Hyderabad, Mudhol, Andhra Pradesh. October 24-28, 2005

Co-convenor

Refractive Errors Planning Workshop, supported by Sight Savers International Country Office, New Delhi. December 17-18, 2005

Invited evaluator

ORBIS India supported 'Pediatric Eye Care Project', Shroff's Charitable Eye Hospital, New Delhi, and satellite hospital and programs in Alwar district, Rajasthan. February 14-16, 2006

Convenor

Brainstorming meet for development of Community Development Institute, supported by Operation Eyesight Universal, ICARE – LVPEI, Kismatpur, Hyderabad. March 15, 2006

Invited speaker/Moderator for session

Governance & Global Perspective on Quality, Partners workshop, jointly organized by Operation Eyesight Universal, Canada, and L V Prasad Eye Institute at Hyderabad. March 16-18, 2006

'Research Priorities in Refractive Errors and its Interventions in India' workshop, Dr R P Centre for Ophthalmic Sciences, All India Institute of Medical Sciences, New Delhi, supported by International Centre for Eye Health, London, and VISION 2020: The Right to Sight India Forum, Surajkund, Haryana. March 20-25, 2006

Savitri Sharma

National

Invited speaker

Workshop, Advances in Diagnostics in Ophthalmology, Andhra Pradesh State Ophthalmological Society, Sarojini Devi Eye Hospital, Hyderabad. May 29, 2005

Faculty

'Microbiological Perspective', CME on "Antimicrobial Prophylaxis of Cataract Surgery-Ritual versus Reality", Hyderabad Ophthalmological Association, Hyderabad. September 18, 2005

**Invited speaker/
Free paper presentation**

Workshop on 'Procedures and Techniques in Mycology,' VI National Conference of Society of Indian Human and Animal Mycologists (SIHAM), Department of Microbiology, Nizam's Institute of Medical Sciences, Hyderabad. January 17-21, 2006

Mallineni Sharmila

International

Poster presentation

Vision 2005, International Society for Low Vision Research and Rehabilitation (ISLRR), hosted by Royal National Institute for the Blind (RNIB), London, UK. April 4-7, 2005 (*Received a travel grant to attend the conference*)

National

Faculty

Low vision training program for eye care professionals, Sight Savers International, Vivekananda Mission Asram, Chaitanyapur, West Bengal. July 4-5, 2005

Development training on disability for community workers, ADD India, Kakinada, Andhra Pradesh. August 26, 2005

Low Vision Awareness Program, supported by The Leprosy Mission (Kolkata), LVPEI, Hyderabad. December 2-4, 2005

M S Sridhar

International

Poster presentation

World Cornea Congress, Washington, DC, USA. April 13-15, 2005

**Faculty/Paper, Poster &
Video presentation**

Symposium and Congress, American Society of Cataract and Refractive Surgery (ASCRS), Washington, DC, USA. April 16-20, 2005

Sushma Tejwani

National

Faculty

Anti Myopia Meeting, jointly organized by Vision Cooperative Research Centre, Australia, and L V Prasad Eye Institute, Hyderabad. November 14-18, 2005

Invited speaker

Training program, Glaucoma Society of India, Solapur, Maharashtra. December 11, 2005

Paper presentation

Antar Drishti 2006, 64th All India Ophthalmological Society annual meeting, Bhopal. February 9-12, 2006

Faculty

Cataract Surgery: Current Trends and Future Horizons workshop, L V Prasad Eye Institute, Hyderabad. March 4-5, 2006

Ravi Thomas

International

Poster presentation

Association for Research in Vision and Ophthalmology (ARVO) annual meeting, Fort Lauderdale, USA. May 1-5, 2005

Participant

Medical Advisory Board, CBM Medical Eye Care Workshop, Nairobi, Kenya. May 23-25, 2005

Faculty

World Glaucoma Congress 2005, Vienna, Austria. July 6-9, 2005

Glaucoma diagnosis, University of Rochester, Rochester, USA. July 14-17, 2005

HCMC Eye Hospital & National Ophthalmology Institute, Hanoi, Vietnam. September 13-14, 2005

First Council of Members Meeting, International Agency for the Prevention of Blindness (IAPB), Hanoi, Vietnam. September 14-16, 2005

Cicendo Hospital, Bandung & Jakarta, Indonesia. September 17-18, 2005

Invited speaker

Fred Hollows Lecture: The Impact of Recent Clinical Trials and Studies in Glaucoma, 37th annual RANZCO Congress, Hobart, Australia. November 5-9, 2005

Symposium on diagnosing glaucoma and its management, Allergan, Dhaka & Chittagong, Bangladesh. December 2-4, 2005

Program Strategic Planning Group, Global Team Meeting, ORBIS International, Atlanta. January 22-27, 2006

19th International Society of Geographical & Epidemiological Ophthalmology (ISGEO) Congress, Sao Paulo, Brazil. February 18-19, 2006

Invited speaker/Chairperson of sessions

World Congress of Ophthalmology 2006, Sao Paulo, Brazil. February 18-24, 2006

Invited speaker

Global Glaucoma Summit, Beijing, China. March 22-26, 2006

Lebanese Ophthalmological Society annual meeting, Beirut, Lebanon. March 31- April 2, 2006

National

Organizer/Invited speaker

Glaucoma Zonal Meeting, Pfizer Inc., Mumbai. June 11-12, 2005

A Review of Glaucoma Diagnostics and Therapy, Glaucoma Zonal Meeting, Pfizer Ophthalmics, Kolkata, August 6-7, 2005

Late Dr Sandeep Wagh Memorial Gold Medal Award & Oration, Pune Ophthalmological Society, Pune. August 20-21, 2005

Psychophysical tests in glaucoma, Glaucoma Seminar, organised by Carl Zeiss India, at New Delhi, Lucknow, Kolkata, Bangalore and Mumbai. August 28 – September 2, 2005

I2I – Indo Israel Ophthalmic Congress, Jointly organized by Sankara Nethralaya, Chennai; Aravind Eye Hospital, Madurai; L V Prasad Eye Institute, Hyderabad; Shri Ganapati Nethralaya, Jalna; and Sri Sankaradeva Nethralaya, Guwahati; Chennai Convention Centre, Chennai. November 19-20, 2005

Governance & Global Perspective on Quality, Partners workshop jointly organized by Operation Eyesight Universal, Canada, and L V Prasad Eye Institute at Hyderabad. March 16-18, 2006

Geeta K Vemuganti

International

Faculty/Invited speaker

Centre for Excellence in Molecular Biology, University of Punjab, Lahore, Pakistan. March 27 – April 5, 2006

Invited speaker

Al Shifa Trust Eye Hospital, Rawalpindi, Pakistan. March 31 – April 1, 2006

National

Invited speaker

Society of Regenerative Medicine and Tissue Engineering meeting, Bangalore. April 1-2, 2005

Ocular Oncology Update, Karnataka Ophthalmological Society and Narayana Nethralaya, Bangalore, April 24, 2005

CME, Sarojini Devi Eye Hospital, Hyderabad. May 25, 2005

Workshop on Diagnostic Techniques in Ophthalmology, Sarojini Devi Eye Hospital, Hyderabad. May 29, 2005

Mediciti Medical College and Hospitals, Hyderabad. June 22, 2005

CME, Jodhpur Ophthalmologic Society and Tarabai Desai Hospital, Jodhpur, Rajasthan. August 21, 2005

Continuous Dental Education program, Bapuji Dental College, Davangere, Karnataka. September 3, 2005

Indian Association of Pathologists and Microbiologists, AP chapter, Kamineni Institute of Medical Sciences, Narketpally, Andhra Pradesh. September 9-11, 2005

Chairperson for session/Poster presentation

Symposium on Stem Cells: Premises & Promises for Research & Therapeutics, National Institute for Research in Reproductive Health (Indian Council of Medical Research), Indian Society for the Study of Reproduction and Fertility & Histostem (USA) and CTIS Inc. (USA), Mumbai. September 18-21, 2005

Invited speaker

International Conf 2005: Biosciences, Biotechnology and Biodiversity analysis, P G Research Centre, Modern College of Arts,

Science and Commerce & NCCS, Pune. October 16, 2005

Dr R P Centre for Ophthalmic Sciences, All India Institute of Medical Sciences (AIIMS), New Delhi. November 26, 2005

Symposium on Stem Cell Therapy, Golden Jubilee Celebrations of All India Institute of Medical Sciences, New Delhi. November 26-27, 2005

Faculty

International Academy of Pathologists – Indian Division, National Body of Indian Association of Pathologists and Microbiologists, Indore. November 30, 2005

Paper presentation/Judge for poster session

Indian Association of Pathologists and Microbiologists (IAPM) national meeting, Indore. December 1-2, 2005

Invited speaker

CME, ASICON 2005, LXV Annual Conference of the Association of Surgeons of India & SAARC Surgeons Congress, Jaipur. December 25-30, 2005

Workshop on GMP/GLP standards, All India Institute of Medical Sciences, New Delhi. January 19-20, 2006

Focus Group meeting on Ocular Mycosis, National Meeting of Society of Human and Animal Mycosis, Hyderabad. January 21, 2006

Annual meeting, Maharashtra Chapter of Association of Clinical Biochemists, Latur, Maharashtra. January 30, 2006

Indo-Danish Stem Cell workshop, Department of Biotechnology and National Centre for Biological Sciences, Bangalore. February 21-22, 2006

Dr Shurveer Singh Trust Oration, Udaipur Ophthalmological Society meeting, RNT Medical College, Udaipur. February 23-24, 2006

CME, JLN Medical College, Ajmer. February 25, 2006

Stem cell review committee meeting, Department of Biotechnology, Government of India, CSIR Science Centre, New Delhi. March 8-9, 2006

First meeting of Indian Society of Ophthalmic Pathologists, Dr R P Centre for Ophthalmic Sciences, All India Institute of Medical Sciences, New Delhi. March 25, 2006

Jachin D Williams

National

Faculty and Convener

Training of Trainers for School Eye Health Programs, ORBIS International, ICARE-LVPEI, Kismatpur, Hyderabad.

June 27 – July 2, 2005

Unite for Sight Volunteers Program, ICARE-LVPEI, Kismatpur, Hyderabad.

July 1-30, 2005

Training of Trainers for Sight for Kids Program, Supported by: Johnson & Johnson Ltd, Lions Sight First Project & Lions Clubs International Foundation, ICARE-LVPEI, Kismatpur, Hyderabad. September 17, 2005

Invited speaker

Planning meeting, Rotary Club of Hyderabad, Hyderabad. October 1, 2005

Organiser

Eye screening for intellectually challenged children, Special Olympics, BHEL, Hyderabad. October 19-22, 2005

Faculty

Teamwork workshop, Prakasam District Program, Venkatalakshmi Eye Centre, Karamchedu, Andhra Pradesh, India. October 24, 2005

Sight For Kids Program – a collaborative program of Lions Clubs International, L V Prasad Eye Institute and Lions Eye Hospitals of Hyderabad.

November 7 – December 30, 2005

Invited speaker

Sight for Kids Program, Lions Clubs International, Lions Bhavan, Hyderabad. November 14, 2005

Organizer, Convenor and Faculty

Vision For Kids – Orientation and training program for school eye health for Premalayam, Rotary Club of Hyderabad and volunteers from IT companies, Hyderabad. November 19, 2005

Sight for Kids Teachers training program, ICARE-LVPEI, Kismatpur, Hyderabad. November 21, 2005

CEH & CBR Fieldworkers Training Program of Capacity Development Project for the management of Diabetic Retinopathy in the State of Andhra Pradesh, ICARE – LVPEI, Kismatpur, Hyderabad. November 17 – December 17, 2005

Orientation Program on School Eye Health for the schoolteachers of Saraswathy Vidya Peedam Schools in Andhra Pradesh, ICARE-LVPEI, Kismatpur, Hyderabad. December 31, 2005

Invited speaker

Awareness on diabetic retinopathy meeting for government, non government, and private health care providers of Karamchedu, Parachuru and Chirala mandals, Venkatalakshmi Eye Centre, Karamchedu, Andhra Pradesh. December 28, 2005

Faculty

School Eye Screening Program Manonethra School Teachers Training Program, Hyderabad. January 27, 2006

AP Rural Employment Guarantee Scheme 2005', workshop on Employment Opportunities for Persons with Disabilities,

National Institute for Mental Health, Hyderabad. January 27, 2006

Invited speaker

Nutrition of adolescent girls and pregnant women, Bansilalpet Slum Association, Hyderabad. February 15, 2006

Presentations by LVPEI research fellows

K Rajeshwari Devi, Senior research fellow, Kallam Anji Reddy Molecular Genetics Laboratory

Poster presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Aparna Duggirala, Senior research fellow, Jhaveri Microbiology Centre

Paper presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Poster presentation

74th annual meeting, Society of Biological Chemists in India, Lucknow. November 7-10, 2005

Micro-Biotech, 46th annual conference of Association of Microbiologists of India, Hyderabad, December 8-10, 2005

3rd Indo-Australian Conference on Biotechnology (Vaccines for Cancer, Infectious Diseases, Lifestyle & Degenerative Diseases), Hyderabad. March 6-8, 2006

Anees Fatima, Senior research fellow, Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory

Paper presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Poster presentation

31st annual conference, Indian Society of Human Genetics, Jawaharlal Nehru University, New Delhi. February 27 – March 1, 2006

Joveeta Joseph, Senior research fellow, Jhaveri Microbiology Centre

Paper presentation

6th National Conference, Society of Indian Human and Animal Mycologists, Hyderabad. January 19-22, 2006

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Poster presentation

74th annual meeting, Society of Biological Chemists in India, Lucknow. November 7-10, 2005

Micro-Biotech, 46th annual conference of Association of Microbiologists of India, Hyderabad, December 8-10, 2005

3rd Indo-Australian Conference on Biotechnology (Vaccines for Cancer, Infectious Diseases, Lifestyle & Degenerative Diseases), Hyderabad. March 6-8, 2006

Kiranpreet Kaur, Senior research fellow, Kallam Anji Reddy Molecular Genetics Laboratory

Paper presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Guru Prasad M, Research scholar, Ocular Pathology Laboratory

Paper presentation

Indian Association of Pathologists and Microbiologists – AP Chapter, Kamineni Institute of Medical Sciences, Narketpally, Andhra Pradesh. September 9-11, 2005

K Purushotham Reddy, Senior research fellow, Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory

Paper presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Poster presentation

74th annual meeting, Society of Biological Chemists in India, Lucknow. November 7-10, 2005

Hardeep Pal Singh, Senior research fellow, Kallam Anji Reddy Molecular Genetics Laboratory

Poster presentation

31st annual conference, Indian Society of Human Genetics, Jawaharlal Nehru University, New Delhi. February 27 – March 1, 2006

Afia Sultana, Senior research fellow, Kallam Anji Reddy Molecular Genetics Laboratory

Poster presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Paper presentation

31st annual conference, Indian Society of Human Genetics, Jawaharlal Nehru University, New Delhi. February 27 – March 1, 2006

Venu Talla, Senior research fellow, Biochemistry Laboratory

Paper presentation

14th annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 30-31, 2005

Poster presentation

74th annual meeting, Society of Biological Chemists in India, Lucknow. November 7-10, 2005

Clinicians enrolled in postgraduate programs at Cooperative Research Centre for Eye Research and Technology (Vision CRC), University of New South Wales (UNSW), Australia

Preeji Mandathara Sudharman, Master in Optometry (Commenced September 2005) Project Title: The Kinetics of Corneal Epithelial Wound Healing in Silicone Hydrogel Contact Lens Wearers

Shobha Mocherla, (Commenced July 2005) Project Title: A Study of Clinician-Patient Communication in the Outpatient Department of a Tertiary Eye Care Center

Ruby Kala, Master in Optometry (Commenced February 2006) Project title: Suitability and biocompatibility of transparent microporous perfluoroether (PFPE) as an ocular implant in human

Beula Christy (Commenced September 2005) Project Title: Comprehensive rehabilitation at all levels of eye care service delivery

Honors & Awards

Subhabrata Chakrabarti

- Clinician Scientist Award, World Glaucoma Congress, Vienna

Taraprasad Das

- J M Pahwa award for paper on 'Molecular genotyping and genetic epidemiology of Pseudomonas aeruginosa cluster endophthalmitis', Vitreoretinal Society of India, Khajuraho, Madhya Pradesh
- Elected President-Elect of All India Ophthalmological Society, Bhopal

Aparna Duggirala

- Best Poster award for 'Detection of biofilms and role of biofilm inhibitors in clinical isolates of coagulase negative staphylococci from the eye,' Association of Microbiologists of India, Hyderabad

Anees Fatima

- Senior Scholarship (science) by Lady Tata Memorial Trust for 2005-2006 for research project 'Ex-vivo proliferation and characterization of limbal stem cells and their application in treating ocular surface disorders caused by limbal stem cell deficiency'
- First prize in Confocal Image Contest by Carl Zeiss for confocal multifluorescence images acquired with the Laser Scanning Microscope LSM 510
- Best Poster award for 'In-vivo survival and stratification of ex-vivo expanded adult limbal stem cells – a successful application of a novel form of cell therapy,' Indian Society of Human Genetics, New Delhi

Usha Gopinathan

- Mr T L Kapadia Award for outstanding contributions to eye banking. Also delivered the Mr T L Kapadia Endowment Lecture on 'Community Eye Banking,' Hyderabad

Joveeta Joseph

- SIHAM Dr G P Agarwal Young Scientist Award for best paper 'The biological significance of proteolytic enzymes in the pathogenesis of human fungal keratitis,' Society of Indian Human and Animal Mycologists (SIHAM), Hyderabad
- Best poster award for 'Microbiological and molecular characterization of microsporidial keratitis', Hyderabad

Vilas Kovai

- Best prize for 'Vision Centre' concept paper, conference on 'Transforming India - Agenda for Research,' Narsee Monjee Institute of Management Studies, Mumbai

Pravin V Krishna

- 'Best Paper in Cornea' award, All India Ophthalmological Society, Bhopal

Inderjeet Kaur

- Amjad Rahi Prize for best paper in basic science 'The Y402H polymorphism in the complement factor H gene is associated with susceptibility to age related macular degeneration in Indian patients', Indian Eye Research Group, Hyderabad

Anil K Mandal

- Apollo Award of Medical Excellence for 2004 to 2005, Apollo Hospitals Group, New Delhi
- Published a book 'The Pediatric Glaucomas' along with Peter A Netland, MD, PhD, of the University of Tennessee, Memphis, USA; published by Elsevier Inc., UK
- 'Bharat Jyoti Award', India International Friendship Society, New Delhi

Shobha Mocherla

- International fellowship for video producer and travel grant from ORBIS International for the American Society of Cataract and Refractive Surgery Symposium and Conference

Avinash Pathengay

- Best Poster Award for 'Is intravitreal triamcinolone useful in the management of exogenous endophthalmitis', I2I – Indo Israel Ophthalmic Congress, Chennai

Kuldeep Raizada

- Elected South India zone representative for Indian Optometric Association (IOA)

Gullapalli N Rao

- 'Prince Abdulaziz International Prevention of Blindness Award' for contribution to prevention of blindness in the developing world, VIII International Congress of Pan Arab African Council of Ophthalmology and XII UAE International Ophthalmic Conference of Emirates Medical Association, Dubai, United Arab Emirates
- First 'G B Bietti International Award for Prevention of Blindness', Italian Society for Prevention of Blindness, Italian Ophthalmological Society, Florence, Italy
- First Dr M C Nahata Rashtriya Netra Suraksha Puraskar, National Society for Prevention of Blindness and Dr MC Nahata Netra Suraksha Puraskar Samiti, Indore.

G Chandra Sekhar

- Elected Vice President of Andhra Pradesh State Ophthalmological Society, Kurnool, Andhra Pradesh
- Nominated for membership to Glaucoma Research Society of International Congress of Ophthalmology

Savitri Sharma

- Indian Association of Medical Microbiologists Endowment Award, Indian Association of Medical Microbiologists, Chennai
- Elected Executive Council member of International Society for Genomics and Evolutionary Microbiology
- Elected Executive Council member of Society for Indian Human and Animal Mycologists

Snigdha

- Amjad Rahi Prize for best poster in clinical science 'Comparison between subjective duochrome and objective duochrome (chromoretinoscopy)', Indian Eye Research Group, Hyderabad

Afia Sultana

- Young Scientist Award for best paper 'The molecular genetic analysis of autosomal recessive corneal dystrophies', Indian Society of Human Genetics, New Delhi

Geeta K Vemuganti

- Nominated Coordinator for Twin Cities Pathologists meetings for 2005-2006
- Vaidashri Award by Megacity Navakala Vedikaat Tyagaraja Gana Sabha, Hyderabad

- 'Best Paper prize (non PG category)' for 'Histopathology of cornea after cultivated limbal epithelial transplantation', Indian Association of Pathologists and Microbiologists, AP chapter
- Elected President of Indian Society of Ophthalmic Pathologists, Indian Association for Ocular Pathology, New Delhi
- Honored as Life Patron of Al Shifa Trust Eye Hospital, Rawalpindi, Pakistan

Talla Venu

- Best poster award in structural biology for 'Molecular and structural phenotyping of gamma C crystallin involved in autosomal dominant congenital cataract', Society for Biological Chemists - India, Lucknow

Recognition for LVPEI paper

- A paper titled 'Donor Marketing Efforts: Sustaining an Equitable Model of Eye Care' on LVPEI's donor marketing efforts was shortlisted for the S P Jain Institute of Management & Research (SPJIMR) Marketing Impact Awards 2006. Of 25 entries, four were selected for presentation at the Marketing Effectiveness Conclave 2006 on February 11, 2006 at SPJIMR, Mumbai. The paper was authored by Denny John and Sam Balasundaram

Website for research protocols submission

A web-based system for submission of research protocols to the Institutional Review Board (IRB) of LVPEI has been created in-house. All research submissions to the IRB are now made online. Access to the site is restricted by a username and password.

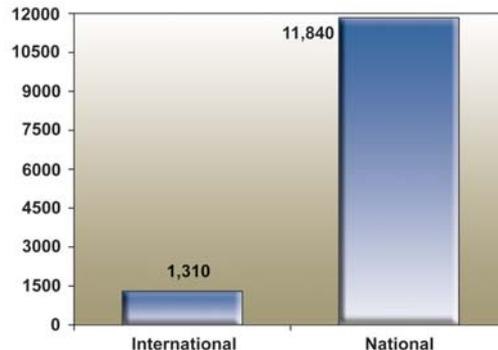
Product Development

Rotary Club of Hyderabad Corneal Preservation Medium Centre

MK Medium

A total of 13,398 MK medium vials were produced during the year. We distributed 13,150 vials of MK medium to 176 eye banks nationally and 4 eye banks internationally. RIEB receives support in part from Eyesight International, Vancouver, Canada for the production and distribution of MK medium

Distribution of MK medium



Amniotic Membrane

Amniotic membrane pieces of specific sizes were made available to ophthalmologists, including LVPEI alumni (fellows), for use in patients with ocular disorders requiring surface reconstruction surgeries and for research at LVPEI.

Surgery - 424 pieces (128 were distributed to LVPEI alumni)

Research - 305

Distribution of Corneal Preservation Medium

International

Bangladesh
Philippines
Turkey

National

| | | | | | |
|-------------|-------------|------------|--------------|----------------|--------------------|
| Ahmedabad | Dibrugarh | Jalandhar | Mirzapur | Palakol | Sitapur |
| Aligarh | D Dinazpur | Jalgaon | Moradabad | Panvel | Sohana |
| Amritsar | Dondaicha | Jalna | Mount Abu | Patiala | Solapur |
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| Bagalkot | Goa | Kamareddy | Nagercoil | Pune | Surat |
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Library of Children's story books in Braille and Large Print

Vision Rehabilitation Centres have developed a library of children story books in Braille and Large Print with support from Latter Day Saint Charities, USA, and Zurich Financial Services, UK.



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LVPEI's sustained growth and unrelenting commitment to quality has been possible because of the compassion and generosity of our patrons, supporters and contributors. We are immensely grateful to individuals, institutions and the industry, all over the world, who have helped us brighten thousands of lives.

They are our extended family - we are indebted to all of them.

In each issue of our Quarterly and Annual Activity Reports, we present selected profiles of our major supporters. In the next few pages we present some interesting stories of these generous individuals and dedicated organizations.

(In the past issues, we have presented profiles of Mr Subba Rao Makineni, California, USA; Mr Sreekanth Ravi and Mr Sudhakar Ravi of California, USA; Dr K Anji Reddy of Dr Reddy's Laboratories Limited, Hyderabad, India; Mr P K Kanoria, Kolkata, India; Late Mr L V Prasad, Hyderabad, India; Sight Savers International, United Kingdom).

L V Prasad Eye Institute is managed by two trusts: Hyderabad Eye Institute and Hyderabad Eye Research Foundation. All donations made to Hyderabad Eye Research Foundation are 125% exempt under section 35 (i) (ii) and donations made to Hyderabad Eye Institute are 50% exempt under section 80G of the Income Tax Act.

CBM and LVPEI – a common mission

Christoffel Blindenmission (CBM) is an international Christian organisation supporting programs for persons with disabilities in developing countries. The organization aims to improve the quality of their life by providing medical health care services, rehabilitation and education. It is also committed to advocacy issues, working towards the inclusion of persons with disabilities in all aspects of society.



CBM supports the education and rehabilitation of people with physical, mental, or intellectual disabilities as well as programs for people with hearing loss. In 2005, CBM supported 1005 projects in 113 countries in Africa, Asia, Latin America and Eastern Europe, reaching out to 12.5 million people.

CBM cooperates with global institutions, contributes to international campaigns and is recognized by the World Health Organization (WHO). It is an implementing agency for 'VISION 2020: The Right to Sight', a joint initiative of the International Agency for Prevention of Blindness (IAPB) and WHO, aiming to eliminate avoidable blindness by the year 2020.

The partnership between LVPEI and CBM started in the early 1990s when CBM provided partial funding for the development of the corneal preservation medium laboratory. Subsequently, Mr P G Michael, the former Regional Representative of CBM in South Asia, encouraged Dr Gullapalli N Rao to consider developing a rural eye care model, covering 500,000 people per unit. CBM, along with Sight Savers International, funded the creation of the first two rural satellite secondary care centres of LVPEI at Mudhol in Adilabad district and Toodukurthy in Mahaboobnagar district of Andhra Pradesh (Mudhol will celebrate its 10th anniversary in December 2006).

CBM's commitment to rural eye care was further extended through the development of the International Centre for Advancement of Rural Eye Care (ICARE) at Kismatpur on the outskirts of Hyderabad. ICARE is involved in monitoring our rural outreach work, education and all of our public eye health research. Support for building residential accommodation for trainees was another major collaborative endeavor.

CBM's commitment to human resource development in eye care dates back to the time when LVPEI started fellowship programs in various subspecialties. The organization sponsored participants from its other partner centers for the Diploma in Community Eye Health program and also supported the setting up of a hostel at the Institute. CBM was also the first international NGO to support research at LVP through partial funding of the path-breaking Andhra Pradesh Eye Disease Study (APEDS), the first such rigorous epidemiological study on problems of blindness in the developing world.

Thus CBM and LVPEI have been long-standing partners covering all areas of eye care – service delivery, education and research.



LVPEI satellite centre at Mudhol, AP

Calgary looks to Hyderabad

Operation Eyesight Universal (OEU) is focused on the elimination of avoidable blindness, and it looks to the leadership and resources of L V Prasad Eye Institute to make it happen.

As one of the first international organizations to tackle global blindness, Operation Eyesight has more than 40 years experience helping medical teams in Asia, Africa and Latin America to deliver eye care to local populations.

Although not the largest INGO concerned with blindness prevention and treatment, this Calgary-based organization has distinguished itself by asking hard questions, and then responding authentically. One of the most important questions became: “What is the best way to help people threatened by blindness?”

The quest for answers led Operation Eyesight to the very countries it seeks to assist, such as India, which has a high degree of blindness and low vision. India is also the source of some of the most innovative solutions to these problems – in particular, Hyderabad, the home of L V Prasad Eye Institute.

“Our search led us directly to LVPEI,” says Pat Ferguson, President and CEO of Operation Eyesight. “When we wanted to improve the outcomes and outputs of our eye care programs, we chose LVPEI because of their demonstrated success with quality, comprehensive and sustainable eye care.”

The first conversations between LVPEI founder Dr Gullapalli N Rao and Pat Ferguson in 2002 created a pivotal moment. When Dr Rao articulated the sustainability model, Operation Eyesight realized that this was the answer it was looking for. The two leaders quickly saw that their organizations could form a working partnership; one able to gather resources in Canada and the Western world, and the other able to funnel those resources into self-sustaining eye care programs complete with trained staff, facilities and equipment. OEU has designated LVPEI as its global resource centre.

“LVPEI is able to offer the range of resources from critical evaluation, technical and management training and consulting resources to reconfigure operational systems and hospital designs,” says Pat.

Today, Operation Eyesight works closely with LVPEI to improve its existing programs and to create new ones that feature integrated care, such as new tertiary-level eye hospitals in Bhubaneswar and Visakhapatnam, opening in July 2006.

Operation Eyesight has successfully moved from an organization focused on treatment and aid to one focused on prevention and development. It has done this by adopting the model of community outreach also developed by LVPEI which moves beyond the “eye camp” model to a more authentic provision of integrated eye care that is effective, economical and able to serve communities of all sizes.

“Our Canadian donors and those from other countries want to help people in trouble, but they need to know their gifts are being used effectively,” says Pat. “Working with LVPEI means we’re working with the best in the world. The progress we are making today and in the future is proving the wisdom of our partnership, for all the world to see.”

To the children with love

Dr Jasti V Rattaiah, born in 1928, was the eldest son of Shri Jasti V Raghaviah and Smt Jasti Chandamma of Bodapadu village (near Tenali) in Guntur district, Andhra Pradesh. After receiving a bachelor's degree in physics from S V College in Guntur, he worked for a while as a high school teacher in Cheerala.

Dr Rattaiah was the first batch of graduates to pass out from the Madras Institute of Technology, Chennai, in 1952 with a degree in aeronautical engineering. He did his master's from the Indian Institute of Science, Bangalore in 1954, staying on to join its Aeronautical Research department.

On the advice of his friend and classmate Mr KVK Raju (Chairman of Nagarjuna group of companies) Dr Rattaiah decided to pursue research in the United States. In 1959, he received a Ph D in Aerospace Engineering from the University of Minnesota, Minneapolis, USA, working his way to Cupertino, California, via Cambridge, Massachusetts and Huntsville, Alabama. He joined Lockheed Martin in 1965 and continued to work for them for 34 years. He retired in December 1998.



In 1948 Dr Rattaiah married late Smt Venkata Ramanamma, the only daughter of late Shri Sajja Subbiah and late Smt Sajja Basavamma of Kolluru village (near Tenali) in 1948. Joining him in 1956 in Minnesota, she became his inspiration and constant support. She had a keen sense of humor, a warm heart and adored children.

Dr Rattaiah and Smt Ramanamma's tremendous love for children motivated them to extend support to the Jasti V Ramanamma Children's Eye Care Centre, in the early days of L V Prasad Eye Institute. Today the Centre stands as a testament of their love and commitment to the cause of children.

One of the major public health challenges in the area of visual impairment and blindness is childhood blindness and visual impairment in children. This is one of the strategic priorities of the global VISION 2020: The Right to Sight program. At the time of its inception, L V Prasad Eye Institute recognized this critical need and planned for the creation of a dedicated Children's Eye Care Centre with a comprehensive approach to all eye health issues in children – prevention, treatment and rehabilitation.



In 1997, the Centre took a concrete shape with the inauguration of the Jasti V Ramanamma Children's Eye Care Centre, the first such a dedicated children's eye care centre in Asia and anywhere in the entire developing world. The initial support for the centre was provided by Dr Jasti V Rattaiah, subsequently matched by Sight Savers International.

The Centre has state-of-the-art facilities for integrated management of all eye diseases afflicting children. It offers excellent diagnostic facilities, including examination of children under anesthesia, evaluation and management of children with partial or total visual impairment. The Centre has established an interdisciplinary approach to comprehensive management of pediatric eye diseases. The Centre collaborates with other institutions in India and abroad for research and also trains ophthalmologists from all over the world.

Carl Zeiss and LVPEI

Carl Zeiss, a world leader in the field of optics and engineering, was established in 1846 in the university town of Jena. Today its global headquarters are located at Oberkochen near Stuttgart, while the India headquarters are at Bangalore.

Carl Zeiss is a foundation – its guiding principles being the promotion of science and technology, along with invention and innovation in its products and services. The foundation contributes to the scientific and engineering world with numerous inventions, patents and even associations with Nobel Prizes.

Carl Zeiss' areas of focus are medical technology, eye care and ophthalmic products and devices, microscopy and scientific research instrumentation, industrial metrology, semiconductor technology and opto-electronic systems.

Since its inception L V Prasad Eye Institute (LVPEI) in 1987 Carl Zeiss was one of the major equipment suppliers, as they were leaders in medical technology and eye care products and devices. Their state-of-the-art equipment continues to be used at the Institute for eye examinations, diagnostics and surgery.

In 2002 Carl Zeiss selected LVPEI to set up the LVP-Zeiss International Academy of Advanced Ophthalmic Education. The equipment here is of critical importance in the diagnostics of retinal diseases and glaucoma to enable ophthalmologists to determine the future course of medical and surgical treatment. The Academy also offers training courses in basic and advanced diagnostics. In fact, all ophthalmology fellows are based at the Academy for the first three months of their term. Carl Zeiss' involvement with building human resources in eye care goes even further – they have instituted scholarships for the best five students at LVPEI's Bausch & Lomb School of Optometry as well as an award for the best fellow at LVPEI. In 2004 LVPEI was awarded the Carl Zeiss Foundation Award (the first eye institute in the world to receive this award) in recognition of its initiatives and contribution to eye care in India and the developing world.

As part of the VISION 2020: The Right to Sight global initiative Carl Zeiss – like LVPEI – is committed to eradicate avoidable blindness by the year 2020 and is the first 'Corporate sponsor'. Development of regional training centres of the world, one in each region as part of VISION 2020: The Right to Sight, in partnership with the International Agency for the Prevention of Blindness (IAPB) is yet another major philanthropic endeavor of Carl Zeiss.



Top-of-the-line equipment at the LVP-Zeiss International Academy of Advanced Ophthalmic Education

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