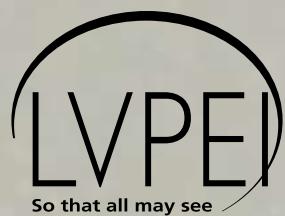


LV Prasad Eye Institute

Committed to excellence and equity in eye care



Annual Activity Report | April 2007 – March 2008



L V Prasad Eye Institute

Committed to excellence and equity in eye care

Annual Activity Report April 2007 – March 2008



**World Health
Organization**

**Collaborating Centre for
Prevention of Blindness**

LV Prasad Eye Institute is a not-for-profit charitable organization governed by two trusts,
Hyderabad Eye Institute & Hyderabad Eye Research Foundation.

The year at

The LVPEI pyramid of service delivery touches all levels of society, from the remote rural village to the busy urban centre. From primary eye care to advanced tertiary, or quaternary centres, we have been able to provide eye care services to thousands of people, when they need it, where they need it, without compromising on quality.

This year, we have been able to reach 819,147 people through these various levels of care; our circle of impact of people's life and sight continues to grow.

Reaching the underserved



Community Eye Health

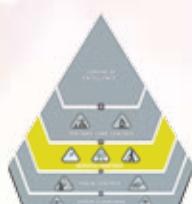
Villages surveyed	605
Community screening programs	331
Population covered	257,070
Schools screened	261
Children screened	25,157

Eradicating blindness & visual impairment and referrals



Primary Eye Care

Vision Centres (2.1–4 million population)	43 (nearly 500 villages)
People served	63,213



Secondary Eye Care

Service Centres (10–17 million population)	17
Patients seen	202,524
Surgeries performed	21,602



Completing the circle – LVPEI Tertiary eye care

	Bhubaneswar	Visakhapatnam	Total
Patients seen	37,520	37,213	74,733
Surgeries performed	3,602	3,167	6,769



Advanced Tertiary (Quaternary) Care

Patients seen	196,450
Surgeries performed	26,068

a glance

Providing a better quality of life*

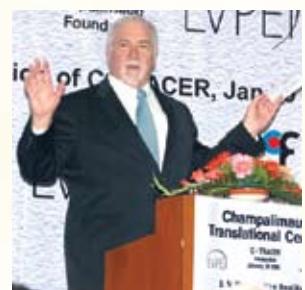
Vision Rehabilitation Centres	3
Sight Enhancement beneficiaries (Low Vision)	3255
Vision Rehabilitation beneficiaries	4791



Enhancing skills for quality eye care*

Education

Ophthalmologists	142
Other eye care professionals	355
Participants in CME and other programs	1,595



Pushing the frontiers in eye care*

Research

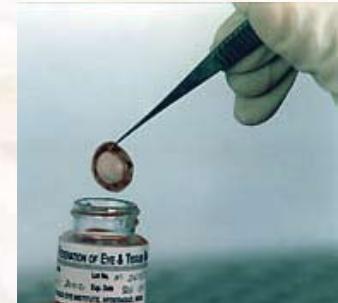
Presentations	
➤ International	104
➤ National	326
Publications	72
Honors and Awards	45



Facilitating the Gift of Sight*

Eye Bank

Corneas harvested	3,396
Used for transplants	1,123
Used for research	1,808
Sent to non-LVPEI surgeons	465



* Numbers reflect activities across the LVPEI Network

L V Prasad Eye Institute, Kallam Anji Reddy Campus, Hyderabad

**Director & Dr Kallam Anji Reddy
Distinguished Chair of Ophthalmology**
G Chandrasekhar

Clinical Services

Cornea & Anterior Segment

Virender S Sangwan
Prashant Garg
Pravin V Krishna
Somasheila Murthy
Rishi Swarup
Varsha Rathi
Sunita Chaurasia
R Muraleedhara

Bausch & Lomb Contact Lens Centre

Pravin V Krishna
Varsha Rathi
P Ruby Kala
Preeji Shyamsunder
M Vinod Kumar

Laser Refractive Surgery Centre

Prashant Garg
Pravin V Krishna
Somasheila Murthy
Varsha Rathi

VST Centre for Glaucoma Care

G Chandra Sekhar
Anil K Mandal
Rajul Parikh
Sirisha Senthil
BL Harsha

Smt Kanuri Santhamma Retina Vitreous Centre

Subhadra Jalali
Ajit B Majji
Annie Mathai
Raja Narayanan
Rajeev K Reddy
Himanshu Deshmukh

Uveitis & Ocular Immunology

Virender S Sangwan
Somasheila Murthy

Ophthalmic Plastic Surgery, Orbit, Ocular Oncology and Ocular Prostheses

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

Strabismus

Kekunnaya Ramesh
Ramesh Murthy

Neuro-ophthalmology

Kekunnaya Ramesh
Ramesh Murthy

Jasti V Ramanamma Children's Eye Care Centre

Anil K Mandal
Santosh G Honavar
Subhadra Jalali
Kekunnaya Ramesh
Ramesh Murthy

Comprehensive Ophthalmology

Rohit Khanna

Optometry

J Ganesh Babu
Deepak K Bagga
Bhaji Bee
Bharat
Rituparna Ghoshal
Janitha
Hari Krishna
Anjul Kumar
Vijay Kumar
M Vinod Kumar
SPVR Naresh
Preeji
Sethumathi
D Srikanth
Sumant
T Shyam Sunder
D Swathi
Veerendranath
Uday

Internal Medicine

Archana Bhargav
Fazal Hussain

Anesthesia Services

C Jagadishwar
PG Koshy
MS Prasad
S Ravinder
CVM Reddy
P Sreedhar
P Sriramulu

Vision Rehabilitation Centres

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

Vijaya K Gothwal
Beula Christy
B Padmavathi
Hemalatha
Deepak K Bagga
Rituparna Ghoshal

Prof Brien Holden Eye Research Centre Director and Distinguished Chair of Eye Research

D Balasubramanian

Jhaveri Microbiology Centre

Savitri Sharma Das
G Ashok Kumar Reddy

Saroja A Rao Immunology Laboratory

Savitri Sharma Das
G Ashok Kumar Reddy

Kallam Anji Reddy Molecular Genetics Laboratory

Chitra Kannabiran
Subhabrata Chakrabarti
Inderjeet Kaur

Ophthalmic Pathology

Geeta K Vemuganti

Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory

Geeta K Vemuganti
Virender S Sangwan
Yashoda Ghanekar

Education Centre

**Director & Dr G Chandra Sekhar
Distinguished Chair of Education**
Prashant Garg

LVP-Zeiss International Academy of Advanced Ophthalmic Education

Srivalli Kaza

Bausch & Lomb School of Optometry

Coen GA de Jong

Hyderabad

Bhubaneswar

**International Centre for
Advancement of Rural Eye
Care (ICARE), Kismatpur
campus**

Rohit Khanna
S Bhattacharya
S Sheela Devi
S Krishnaiah
Giridhar Pyda
V Rajashekhar
Gullapalli N Rao
M Srinivas
Kovai Vilas
Jachin David Williams

Management

Usha Gopinathan
P Sreedevi
Sam Balasundaram

Core Support

G Surendra, Technology
Usha Raman, Communications
G Haragopal, Finance
Ghanshyam Singh, Opticals &
Opticianry
SBN Chary, Photography
M Shoba, Audio-Visual

**L V Prasad Eye Institute,
Bhubaneswar**

Director
Taraprasad Das

Cornea & Anterior Segment

Sujata Das
Srikant K Sahu

Glaucoma

Sanghamitra Dash

**Ophthalmic Plastic Surgery, Orbit &
Oncology**

Suryasnata Rath

Retina & Vitreous

Soumyava Basu
Tapas R Padhi
Taraprasad Das

Contact Lens & Refractive Surgery

Sujata Das
Srikant K Sahu
Mukesh K Singh
Souvik Bhattacharya

NTPC Centre for Diabetic Eye Disease

Taraprasad Das
Soumyava Basu
Tapas R Padhi

NTPC Eye Trauma Centre

Suryasnata Rath
Sujata Das
Tapas R Padhi
Soumyava Basu

Optometry

Mukesh K Singh
Souvik Bhattacharya

NTPC Centre for Sight Enhancement

Reema Helan
Jeevan Rao

Laboratory Services

Savitri Sharma Das

drushti daan Eye Bank

Sujata Das
Srikant K Sahu

Anesthesia Services

Debendranath Das

Administration

Bikash Chandra Mohanta
Raghuram Sastry

**L V Prasad Eye Institute, GMRV Campus,
Visakhapatnam**

Director
Merle Fernandes

Cornea & Anterior Segment
Merle Fernandes
Meena LakshmiPathy

Glaucoma

P V K S Varma

Retina Vitreous
Avinash Pathengay

Contact Lens & Refractive Surgery

Merle Fernandes
Meena LakshmiPathy
Rekha Guntur

**Ophthalmic Plastic Surgery, Orbit & Ocular
Oncology**

Roshmi Gupta

Uveitis
Avinash Pathengay

Optometry

P Anand
Rekha Guntur
M Yugraj

**Nimmagadda Prasad Children's Eye Care
Centre**

Merle Fernandes
P V K S Varma
Roshmi Gupta

Bob Ohlson Centre for Sight Enhancement

Rekha Guntur

Mohsin Eye Bank

Merle Fernandes
Meena LakshmiPathy

Anesthesia Services

Zohra Mehdi

Administration

Joji Prasad
K Lokesh
D Ch Lakshmi



Visakhapatnam

Board Members

Hyderabad Eye Institute

Chair

Dr Gullapalli N Rao

Distinguished Chair of Eye Health
L V Prasad Eye Institute, Hyderabad

Mr T R Prasad

Former Cabinet Secretary
Government of India
Visakhapatnam

Justice B P Jeevan Reddy

Former Justice, Supreme Court of India
Hyderabad

Prof Palle Rama Rao

Former Secretary, Dept. of Science & Technology
Government of India
Distinguished Professor, International Advanced Research
Centre for Powder Metallurgy & New Materials, Hyderabad

Dr M Rammohan Rao

Dean, Indian School of Business
Hyderabad

Mr Ramesh Prasad

Managing Director, Prasad Film Laboratories Ltd
Hyderabad

Dr K Anji Reddy

Chairman, Dr Reddy's Laboratories Ltd
Hyderabad

Mrs Sudha Murthy

Chairperson, Infosys Foundation
Bengaluru

Dr R S Arole

Director, Comprehensive Rural Health Project
Jamkhed, Ahmednagar District, Maharashtra

Mr N Prasad

Executive Chairman, Matrix Laboratories Limited
Hyderabad

Dr Sangeeta Wagh

CMD, Dr Sandeep Wagh Eye Centre
Pune

Dr Ravindranath

Chairman, Global Hospitals
Hyderabad

Mr G Mallikarjuna Rao

Chairman, GMR Group
Bengaluru

Dr G Chandra Sekhar

Director, L V Prasad Eye Institute
Hyderabad

Hyderabad Eye Research Foundation

Chair

Dr F C Kohli

Chairman Emeritus
Tata Consultancy Services Ltd
Mumbai

Secretary & Treasurer

Dr Gullapalli N Rao

Distinguished Chair of Eye Health
L V Prasad Eye Institute
Hyderabad

Dr Kiran Mazumdar-Shaw

Chairperson & Managing Director
The Biocon Group of Companies
Bengaluru

Prof K Srinath Reddy

President
Public Health Foundation of India
New Delhi

Mr B Ramalinga Raju

Chairman
Satyam Computer Services Ltd
Hyderabad

Dr Seyed Hasnain

Vice Chancellor
University of Hyderabad
Hyderabad

Lt Gen D Raghunath

Principal Executive
Sir Dorabji Tata Centre for Research in Tropical Medicine
Indian Institute of Science Campus
Bengaluru

Dr Mohan Rao

Scientist (Deputy Director)
Centre for Cellular and Molecular Biology
Hyderabad

Dr G Chandra Sekhar

Director
L V Prasad Eye Institute
Hyderabad

Prof D Balasubramanian

Director – Research
L V Prasad Eye Institute
Hyderabad

Governance

Distributed decision making, network-wide impact

In the past two years, the LVPEI system has grown almost exponentially, to three tertiary centres, 7 secondary centres and 49 primary care centres spread across the districts of Andhra Pradesh and Orissa. This growth has posed a challenge not only in terms of turning ideas to reality by creating infrastructure where none existed, bringing eye health to places where no health care existed, and creating the human resources to people the network. The other major challenge was in terms of governance, in establishing policies, structures and procedures that would ensure that the core values of LVPEI, as it was established in Hyderabad in 1987, would be built into the DNA of this growing network.

A process of structural rationalization that began in late 2006 finally settled into a system of assigned roles and responsibilities across our network. The new structure, which distributes functional authority and responsibility across the three tertiary centres, was realized in late 2007 and provided the mechanism for dialogue and discussion leading to the formulation of LVPEI's five-year strategic action plan. The structure also allows for decision makers to think organically and systemically, to evolve ideas and implementation schedules that take into account the needs and the strengths of a network rather than a single campus. Monthly meetings of all functional leaders allows for sharing of experiences, ideas and plans. In patient care, education and research, it has meant that function-specific think tanks study and recommend action in a manner that maximizes resource utilization across the network without duplication.

With the Village Vision complexes continuing to multiply, and activities at the tertiary centres expanding, we will continue to face challenges in all these areas, but this distributed leadership approach promises to provide the means and the competence to meet these challenges.



Our Vision

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

LVPEI

Against the backdrop of organizational and environmental change, we recognize the need to constantly re-think our progress and make changes in our course that best address new and emerging needs in eye care in the developing world.

To bring such a vision to bear on planning for growth in the individual operational areas within LVPEI, and to consider any alteration in our paths, a brainstorming exercise took place on January 10 and 11, 2008, involving about 25 persons from across senior management, representing all areas of activity. The task was to consider growth areas over the next five years and to set long-term direction. Participants discussed issues in five broad areas:

- Patient Care
- Education
- Management and Organizational Development
- Research
- Community Health

Groups were charged with identifying five key objectives that would be the focus of activity in the short and medium term, with specific goals and a road map for the next five years.

Our key goals for the next five years are to achieve

- Branding as a cutting edge institute
- Higher quality service and education
- Breakthrough research and products
- Impact making community eye health programs
- The ability to catalyze and affect eye care globally

In each area of activity, specific overarching goals have been framed that set a clear direction and emphasis.



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.

Vision 2012

In patient care, we will achieve

- substantial improvement in the quality of service delivery at all levels
- improvement in patient as well as provider satisfaction
- optimal utilization of time, energy, resources and expertise to augment patient care volume

In education, we will

- achieve recognition as a premier centre of education in all areas of eye care planning, management and service delivery
- share expertise and experience in eye health across the developing world
- create the human resources needed to eliminate avoidable blindness and manage vision impairment

In research, we will

- seek to understand and address selected diseases and genetic conditions, and
- focus on generating and applying new knowledge in areas such as nanoscience and gene delivery

Every project undertaken will be translational in nature – starting from the needs of the patient on the bedside to the laboratory bench and ultimately to the community.

In community eye health, we will apply our experience in primary eye health to

- build a stronger and wider network of eye care service delivery across India and other parts of the world
 - share expertise by consultancy, education and planning
 - advocate at all levels for improved systems of eye care



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NB : Data for period under review. Some other information
(Faculty, Board members) updated as at the time of print.

Foreword

LVP is well poised to make significant contributions to tackling the numerous emerging challenges in eye care and prevention of blindness at both the national and global levels. ‘Comprehensive Eye Care’, the foundation on which our Institute started 21 years ago, has now become a major theme in discussions and an articulated goal for many eye care organizations around the world. Our model of delivery at all levels of care is based on sound principles of quality care and a clear delineation of functions. Referral patterns, efficiency, cost effectiveness, accessibility to people of all social strata in the geographical regions we cover, without compromising our vision of **excellence** with **equity** and **efficiency** constitute the core elements. This model is now getting replicated in many parts of India and the world.

To prepare for the ever increasing demand for our services, we have initiated several processes to make the organization stronger, more streamlined, and focused, following a “Vision Retreat” in early 2008. A road map for the next 5 years with clear goals was developed, with well defined strategies to achieve these goals. This, along with a complete audit of all our processes by internal teams as well as external groups, a more rigorous quality assurance system, and a brand audit will serve as mechanisms that will strengthen our structure and give us pointers toward serving patients better and achieving our other strategic goals.

While the year saw many exciting developments, a few clearly stand out. The inauguration of the **Champalimaud Translational Centre for Eye Research** and the annual **Antonio Champalimaud Research Symposium** have enhanced the partnership with the Foundation significantly and boosted our capabilities in stem cell and molecular genetics research. The number of collaborative international clinical trials under way at LVPEI has multiplied.

On the Education front our proposal, in collaboration with the University of New South Wales of Australia, for an off-campus Master’s program in Community Eye Health was approved by that University. This will be open for admission to candidates from all over the world. The existing programs were expanded and enhanced. More members of the staff were given the opportunity to pursue doctoral programs through our participation in the Vision Cooperative Research Centre, Australia.

We were particularly delighted with the progress of our work in the most underserved areas. Our seventh secondary Service Centre was opened and the community’s response has helped the growth of this centre take

place at a record pace. Within 6 months, the entire complement of 10 Vision Centres linked to this were launched, thus completing our **fifth Village Vision Complex** – a combination of one secondary Service Centre with 10 Vision Centres for primary care. We are now developing the next three such complexes simultaneously. Local philanthropists will be providing 100 per cent funding for these three complexes, thus enabling us to create a real model of health care with “**complete community ownership**”. We are grateful to these generous individuals for ushering in this new era in the evolution of our Institute and enabling us to evolve this exciting model for health care.

At the individual level, members of the LVP family continue to make a mark and win laurels from local to global. We maintain the record for the highest number of awards from the American Academy of Ophthalmology from any Indian institution, due to the brilliant performance of our faculty in getting their work accepted for presentation at the Academy’s annual meetings. We are particularly gratified by the recognition received by some of our younger faculty at the American Academy, and of course the continuing performance of our senior researchers at the most prestigious meetings such as the Association for Research in Vision and Ophthalmology, the details of which are listed in this report.

During this past year again we have benefited immensely from the munificence of many friends of LVPEI from around the world. We are witnessing a welcome development in this process of more support coming from within India, which augurs well for future resource mobilization.

We have new additions to our Boards, people who are eminent in their fields of endeavor and are inspiring examples of leadership, entrepreneurship, scholarship and philanthropy. We are thankful that they have become part of LVPEI. The Institute has continued to grow and the support and guidance of each of these individuals makes it what it is today.

Our impact is intensified through the work of our alumni around the country and the globe, from America to Australia and from China to Nigeria. They are truly our Ambassadors.

Let me also place on record, on behalf of each member of the LVPEI family, our deepest gratitude to all those who have given us the privilege of serving them, people from all corners of India and some from other parts of the world.



Gullapalli N Rao
Chair, Board of Trustees

A Year of Achievements

Hyderabad campus named in honor of Kallam Anji Reddy



Dr Gullapalli N Rao, Chairman, LVPEI, and Dr Anji Reddy unveil the commemorative plaque

The Banjara Hills campus of L V Prasad Eye Institute, Hyderabad, has been renamed the Kallam Anji Reddy Campus, in honour of Dr Kallam Anji Reddy, Chairman, Dr Reddy's Laboratories (a leading pharmaceutical corporation). The occasion was marked by a simple ceremony held at the Institute on June 22, 2007, in the presence of select guests and LVPEI's faculty and staff.

Dr Anji Reddy has remained a valued friend and generous patron of LVPEI since his association with the Institute began 13 years ago. The Institute's molecular genetics laboratory is named in his honor and he was the first to pledge 10 percent to the Silver Jubilee Endowment Fund. His support is integral to the Institute's realization of its vision. Currently on the Board of Hyderabad Eye Institute, Dr Reddy was formerly Chairperson of Hyderabad Eye Research Foundation. Hyderabad Eye Institute and Hyderabad Eye Research Foundation are LVPEI's two governing bodies.

New surgical centre for Hyderabad

On July 9, 2007, Mr Kishore K Kothapalli, Managing Director of Modern Roofings Limited, pledged his support for setting up a state-of-the-art surgical centre at LVPEI's Kallam Anji Reddy Campus in Banjara Hills, Hyderabad. The centre will be called the *Kothapalli Rama Rao Ophthalmic Surgical Centre* in honor of Mr Kothapalli's father, Chairman of Nidadavole Lions Eye Hospital, an affiliate of LVPEI.

The new surgical centre is the first in a series of projects undertaken to mark two decades of LVPEI's operations. It will have 16 state-of-the-art operating rooms, preoperative areas and a central sterilization facility, with the capacity to perform 40,000 complex surgical procedures annually of the highest international standards. "LVPEI's tradition of providing nearly 50% of surgical procedures free of cost will continue with this centre," affirmed Dr Gullapalli N Rao, Chairman of LVPEI.



Mr Kothapalli Rama Rao presents the cheque to Dr Gullapalli N Rao. Also seen (from left) Dr Usha Gopinathan, Ms Veena Kothapalli, Mr Kishore Kothapalli and Mr Vellanki Rao

(We regret to note that Mr Kothapalli Rama Rao passed away on July 10, 2008. We have lost a valued friend and supporter. A larger than life personality, Mr Rama Rao will be sorely missed. See Our Support, page 108)

Nimmagadda Prasad Children's Eye Care Centre

On July 7, 2007, L V Prasad Eye Institute, GMR Varalakshmi Campus, Visakhapatnam, inaugurated a dedicated children's eye care facility – the Nimmagadda Prasad Children's Eye Care Centre, set up with generous support from Mr Nimmagadda Prasad, founder and Vice-Chairman, Matrix Laboratories Limited. The new initiative in children's eye health will focus on preventing childhood blindness and creating awareness about the causes of childhood blindness through school screening programs. The distinguished guests on the occasion included Mrs Lalitha Raghuram, India Country Director, Operation Eyesight Universal; Dr Prema Padmanabhan, Sankara Netralaya, Chennai; Mr L M Laxmana Murthy, Chief Administrative Officer, GMR Varalakshmi Foundation, Rajam; as well as Mr Naresh Kumar, Mr Appala Raju, Mr Raghu Rayala, Dr Madhavi – all early supporters in the setting up of Visakhapatnam LVPEI.

Mr Prasad's long-term commitment to eye care in the region has also led to the collaborative Nimmagadda Prasad – LVPEI Children's Eye Health Initiative. This initiative will drive LVPEI Visakhapatnam to set up primary and community eye care programs with a special focus on children's eye care. The fund will also help support 1000 non-paying complex surgeries in children annually, as well as the development of the Nimmagadda Prasad Children's Eye Care Centre. LVPEI Visakhapatnam covers a population of 15-20 million in the northern districts of Andhra Pradesh.
(See also page 33)



Mr Nimmagadda Prasad inaugurates the Children's Eye Care Centre (right)

First DNA chip for diagnosing eye infections

L V Prasad Eye Institute was a proud partner in the New Millennium Indian Technology Leadership Initiative (NMITLI) program for developing the world's first DNA chip for the diagnosis of eye infections. The project was chaired by Dr D Balasubramanian, Director of Research, LVPEI, and included Dr Savitri Sharma Das and Mr Roby J Jose from Jhaveri Microbiology Laboratory, LVPEI.

Sankar Nethralaya (Chennai), All India Institute of Medical Sciences (New Delhi), and the Centre for Cellular and Molecular Biology (Hyderabad) also participated in this initiative, held under the aegis of the Council of Scientific and Industrial Research (CSIR), Government of India. Three chips (Keratoconjunctivitis, Retinitis and Uveitis) for detecting various bacteria, fungi, viruses and parasites causing eye infections have been developed. Dr T Ramasamy, Director General of CSIR, felicitated all the scientists involved in the project at the product launch on September 22, 2007. The diagnostic DNA chip for ocular infections is the first in the world.



Dr T Ramasamy felicitates Dr Savitri Sharma Das



A tour of the Champalimaud Translational Centre. From left: Ambassador of Portugal to India, Mr Luis Filipe de Castro Mendes; Smt. D Purandeswari, Minister of State for Human Resource Development, Govt of India; Dr Leonor Beleza, President, Champalimaud Foundation; and Dr D Balasubramanian, Director – Research, LVPEI

Champalimaud Translational Research Centre inaugurated

The Champalimaud Translational Centre for Eye Research (C-TRACER), a world-class translational research facility devoted to the analysis, management and treatment of selected eye disorders, has been set up at LVPEI, Hyderabad. The facility was inaugurated by Smt. D Purandeswari, Minister of State for Human Resource Development, Government of India, on January 30, 2008. C-TRACER has been set up in partnership with the Antonio Champalimaud Foundation of Portugal and will enhance the vision research program of LVPEI's Prof Brien Holden Eye Research Centre. The Indian government's Department of Biotechnology has also given a 5-year grant to support this work.

A seminar on translational research was held to mark the event, with presentations on different aspects and processes of translational research. Prof N K Ganguly, UNESCO Centre for Translational Research and Training, New Delhi, delivered the First Champalimaud Lecture on 'Translational Research: Scenario and Opportunities in India'. Prof Robert Folberg of the University of Illinois Chicago campus, Chicago, USA, explained how technology could be used to maximize the impact of distance education in ophthalmology. Prof Jost Jonas from the University of Heidelberg, Germany, presented the results and policy implications of the Beijing Eye Study, while Dr Miguel Castelo-Branco from Coimbra, Portugal, described a model of genotype-phenotype correlations in ocular disease. Prof Brien Holden, CEO, Institute of Eye Research, Australia, detailed the progress of translational research in the area of refractive error. LVPEI faculty Chitra Kannabiran, Geeta Vemuganti and Virender Sangwan described the work done at LVPEI in molecular genetics and stem cells.

Later during the inaugural ceremony, Dr Gullapalli N Rao, Chairman, LVPEI, traced the history and development of LVPEI while Prof. Balasubramanian, Director, Research, spoke of the history of translational research in India. Prof Brien Holden reflected upon the 21-year association between LVPEI and the Institute for Eye Research, Sydney. Dr Leonor Beleza, President of the Champalimaud Foundation, recalled the history of the partnership between the Foundation and LVPEI. The Ambassador of Portugal to India, Mr Luis Filipe de Castro Mendes, and Smt Purandeswari also addressed the invitees.



Prof Kakarla Subba Rao lighting the lamp in the presence of Mr B V Naidu and Dr Nair

Sixth satellite centre of LVPEI inaugurated

Swarna Bharat Eye Centre, the sixth satellite centre of LVPEI, was inaugurated on July 1, 2007. The Swarna Bharat Campus Venkatachalam (named after the donor) is located in Nellore in Andhra Pradesh.

Dr P C Kesavan Kutty Nair, Chairman, Medical Council of India, lit the lamp to inaugurate the centre. Mr Venkaiah Naidu of the Swarna Bharat Trust donated the space and presided over the event. Dr Kakarla Subba Rao, Director, Nizam's Institute of Medical Sciences, and Dr G N Rao, were also present. The Swarna Bharat Eye Centre started outpatient services the very next day, with 70 patients coming on the first day.

New Vision Centres for Markapuram and Adilabad

In March 2008, four Vision Centres linked to the secondary care Sudhakar and Sreekanth Ravi Eye Centre (SSREC) in Markapuram, Prakasam district, Andhra Pradesh, were inaugurated. These are Darshi, Kurichedu, Podili and Cumbham. Support for setting up the Vision Centres was provided by the Lavelle Fund for the Blind, Inc., New York, USA. Local community members donated space for the Centres.

Two Vision Centres at Talamadugu and Gudihathnur, linked to the secondary Seshanna Chennawar Eye Centre (SCEC) in Adilabad district, Andhra Pradesh, were launched on March 28, 2008. These have been set up with support from the Indian Society of the Church of Jesus Christ of Latter-day Saints, USA. This brings the total number of Vision Centres set up with their support to seven. Mr Lawrence Lyerly and Ms Toni Lyerly represented the Church, and said they were happy to be part of LVPEI's primary eye care network development.

The Jainath Vision Centre was inaugurated on July 5, 2007. In addition to Mr Lawrence Lyerly and Mrs Toni Lyerly, Zilla Parishad Chairman Mr B Ramanna, Mr P Asha Reddy and Mr Addi Deva Reddy, both former Jainath



Mr Lawrence Lyerly inaugurates the Gudihathnur Vision Centre

village presidents, also attended the program. Jainath is expected to serve 15 villages with a population of 48,500 and is attached to the Seshanna Chennawar Eye Centre (SCEC).

LVPEI has received support from The Indian Society of the Church of Jesus Christ and Latter-day Saint Charities, USA, to set up eight Vision Centres, all connected to SCEC, Adilabad. They have also supported the Institute in several other ways, including donating 16 wheelchairs for use by patients at the three tertiary and secondary centres, and publication of material for the Vision Rehabilitation Centres. (See also page 46)

Aesthetics Clinic launched at LVPEI

LVPEI, Hyderabad, launched its Aesthetics and Facial Plastic Surgery Services on March 30, 2008. The first such comprehensive cosmetic clinic to be established in an eye institute in India, the Aesthetics Clinic is equipped with an exclusive evaluation suite with skin analyser, professional digital photography, Botox and filler injection facility, skin lasers, and a surgical suite for facial cosmetic procedures including liposuction, fat transfer, and fat cryopreservation.

The Clinic will provide comprehensive treatment for a wide range of cosmetic needs of the face and neck, from simple skin problems to complex facial procedures, under one roof. It has been set up in collaboration with SkinCity, a cosmetic dermatology centre in Pune. On the occasion of the launch of the Aesthetic Clinic, a Face Forum was conducted to create awareness about the cosmetic applications of lasers, surgeries, and injections.

LVPEI collaboration with Tianjin Eye Hospital

An agreement for mutual collaboration was signed on April 20, 2007, between Tianjin Eye Hospital, Tianjin, China (a Centre of Excellence) and L V Prasad Eye Institute. The hospitals will collaborate in the areas of clinical care, training, staff exchange, research and blindness prevention. Seen in the picture from left: Mr E Fengming (Vice Chief, Division of Veterinary Medicine Administration of Tianjin Public Health Bureau), Mr Li Jie (Director, Tianjin Eye Hospital), Dr Rohit Khanna (LVPEI), Dr Gullapalli N Rao (LVPEI), Mrs Zhang Junfang (Deputy Mayor of Tianjin), Mrs Tian Huiguang (Deputy Director, Tianjin Public Health Bureau), Mr Wang Shuhua (Vice Minister, Foreign Affairs Office of Tianjin), Mrs Yuan Shuling (Chief, Division of Science and Technology of Tianjin Public Health Bureau) and Prof Zhao Kanxing (Director, Tianjin Eye Hospital).



Children's Eye Care Centre celebrates 10th anniversary

The Institute commemorated the 10th anniversary of the Jasti V Ramanamma Children's Eye Care Centre (CECC) on December 1-2, 2007. The Centre, set up in 1997, was the first such dedicated centre in Asia and the developing world. It has state-of-the-art facilities for integrated management of all pediatric eye diseases, and was set up with support from Dr Jasti V Rattaiah and Smt V Ramanamma, with a matching grant from Sight Savers International, UK. The Centre has received substantial support from ORBIS International, USA, and recently ITC Limited, India, for the expansion and upgradation of the facilities.

To mark the occasion a comprehensive scientific symposium, 'Eye on the Future', on eye health and eye disorders of children was held on December 1-2, 2007. The international faculty included Dr Haroon Awan, Childhood Blindness in Pakistan, Sight Savers International, Pakistan; Dr Bronwyn Bateman, Director, Rocky Mountain Lions Eye Institute, Denver, USA; Dr Hannah Faal, Senior Eye Care Programme Consultant, West Africa, Sight Savers International, Ghana; Dr Clare Gilbert, Reader in International Centre for Eye Health (ICEH), London, UK; Dr John Lee, Moorfields Eye Hospital, UK; Dr Marilyn Miller, University of Illinois, Chicago, USA; Dr Ken Nischal, Great Ormond St. Hospital for Children, London, UK; Dr R Pararajasegaram, consultant for Program for Blindness and Deafness, WHO, Sri Lanka; and Dr Abu Raihan, Country director, ORBIS International, Bangladesh.

(Also in Seminars and Workshops, page 76)

On the evening of December 1, 2007, a commemorative ceremony was held where Dr Gullapalli N Rao, Chairman, LVPEI, welcomed the guests and Dr Anil Mandal, Head, CECC, spoke of CECC's 10-year journey. Dr Hannah Faal presented commemorative plaques to representatives of Dr Jasti Rattaiah and Smt Ramanamma, Sight Savers International, ORBIS International and ITC Limited. The program ended with a mandolin recital by Dr BL Harsha, LVPEI faculty, and a sitar recital by Dr Akhila, wife of Dr Ramesh Kekunnaya, organizing secretary of the symposium.



Dr Marilyn Miller, Dr Ramesh Kekunnaya, Dr Ramesh Murthy and Dr Bronwyn Bateman take questions from the participants



Dr John Lee speaking to Dr B Venkateswar Rao

Nobel Laureate Sir Martin Evans visits

LVPEI was honored by the visit of stem cell biology pioneer Sir Martin John Evans of Cardiff University, winner of the 2007 Nobel Prize for Medicine. Seen in the picture are Prof D Balasubramanian, Director, Research, and other members of the LVPEI research faculty. February 8, 2008.





Film star Navadeep inauguates the World Sight Day exhibition



Mr Ramesh Prasad addresses the audience

World Sight Day 2007

LVPEI commemorated World Sight Day 2007 with a three-day program, inaugurated by Telugu actor Navadeep at PRASADS IMAX, Hyderabad, on October 11, 2007. Setting an example by signing an eye donation pledge card, Navadeep promised to motivate his family and friends to make a similar commitment. The World Sight Day event is part of VISION 2020: The Right to Sight, WHO's global initiative against avoidable blindness. Present on the occasion were Mr Ramesh Prasad, Managing Director, Prasad Media Corporation Ltd. and Mr Ashish Vohra, EVP & Head of Commercial Mass Market, Fullerton India Credit Company Ltd. (FICCL).

Mr Ramesh Prasad said, "The Prasad family is always pleased to be associated with LVPEI in its drive to increase public awareness about eye care and eye diseases". Mr Vohra said, "It is our corporate social responsibility to spread awareness about eye diseases and assist LVPEI in its effort to eradicate avoidable blindness." The event was supported by FICCL and Prasad Media.

The program included a poster gallery on eye diseases and eye health, display and sale of low vision devices, demo of special software for the visually impaired, an eye donation information center, and sale of greeting cards designed by visually challenged children. Free vision screening was done for visitors and many pledged to donate their eyes.

Foundation Day celebrations

The Institute celebrated its 21st Foundation Day on October 17, 2007. The day also marked the formal inauguration of the live satellite linking with video conferencing facility between LVPEI's three tertiary centres – Hyderabad, Bhubaneswar, and Visakhapatnam. The program started with an annual update by the three LVPEI campus Directors – Dr G Chandrasekhar, Hyderabad; Dr Taraprasad Das, Bhubaneswar; and Dr PVKS Varma, Visakhapatnam. Dr Gullapalli N Rao, Chairman, LVPEI and Distinguished Chair of Eye Health, spoke of LVPEI's plans and initiatives for the future. Guest of Honor Dr Suzanne Gilbert, Director, Center for Innovation in Eye Care, Seva Foundation, USA, spoke from an insider-outsider's perspective applauding LVPEI's standards of quality and equity, which, she said, were not very common in the world, adding "LVPEI lives this vision!"

Dr Debbie Sweeny, CEO, Vision CRC, Sydney, Australia, outlined the high standards Vision CRC demands of its collaborators and how LVPEI continues to meet these standards. The collaborators are the best in what they do, have a good scientific output, possess essential core skills and knowledge, and contribute critically to outcomes. Dr M Rammohan Rao, Dean, Indian School of Business, Hyderabad, delivered the guest lecture.

As a run-up to the annual day, games and competitions were conducted for the staff. The evening ended with a rousing cultural program with a fashion show, songs, dances and skits.

Education Day

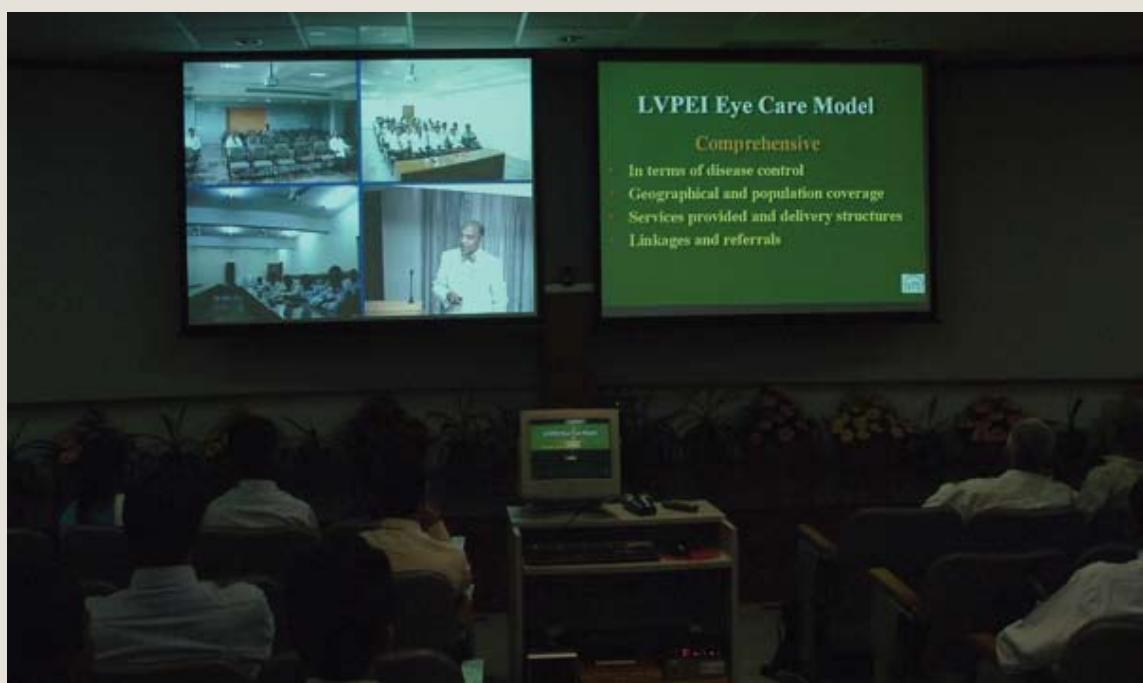
The Institute's fourth Education Day was celebrated on October 1, 2007, with an auditorium full of students and parents. Prof V S Rao, Director, off-campus programs and Director designate of Birla Institute of Technology and Science (BITS), Pilani, presented degree certificates to 20 outgoing Bachelor of Science in optometry students, while 3 students received Diploma in Optometry (DOT) certificates from FOREC, New Delhi. Chief guest Prof Barry Colin, former Dean, School of Optometry, University of New South Wales, Australia, delivered the Education Day address on 'What is the future of optometry and optometrists'. (See also page 71)



Dr Usha Gopinathan, Executive Director, LVPEI, presents a certificate to Dr Prashant Garg, Director of Education on Foundation Day



Prof Barry Colin presents the Prize of Excellence to Aditi Desai, Best Outgoing student



Teleconnectivity across LVPEI network

Teleconnectivity across L V Prasad Eye Institute's three tertiary care centres was formally inaugurated on October 17, 2007. As a first step, the Education Centres at Visakhapatnam and Bhubaneswar have been linked to Hyderabad, creating a video conferencing facility for tele-education. This technological integration will immediately double the training capacity of L V Prasad Eye Institute. The distance between the 3 centres is now traversed by a mere phone call, a screen and sound system.

Sudhakar and Sreekanth Ravi Eye Centre, Markapur

The Sudhakar and Sreekanth Ravi Eye Centre at Markapur was inaugurated on January 3, 2008, at a colourful well-attended ceremony. Chief guest Smt Daggubati Purandeswari, Minister of State for Human Resource Development, Government of India, cut the ribbon. Launching the Sudhakar and Sreekanth Ravi Eye Health Initiative in Prakasam district, Mr Sreekanth Ravi said he was proud to be associated with this initiative in his home district in Andhra Pradesh. Recalling his first meeting with Dr Rao, he said the Ravi brothers' support for LVPEI had given the family tremendous satisfaction, whether it was for establishing the stem cell laboratory or the outpatient facility at LVPEI, Hyderabad. The new Eye Health Initiative will be a comprehensive eye health program for the district starting from prevention and improving uptake of eye health services up to rehabilitation.



Smt Purandeswari lights the lamp

Dr Gullapalli N Rao, Chairman, LVPEI, spoke of his vision for the Institute's seventh satellite centre, the Markapur eye centre, urging the large gathering to make optimal use of the facility. He spoke of the initiatives taken by LVPEI, in collaboration with the district health administration, for the detection of diabetes and diabetic retinopathy. LVPEI's stem cell laboratory is named the Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory in honor of the Ravi brothers' contribution. The townspeople also honored Mr Sreekanth Ravi with shawls. (See also page 48)

20th Patient Care Day Celebrations

The 20th anniversary of LVPEI's Patient Care Day was joyously celebrated on June 1, 2007. The program began with the lighting of the lamp by housekeeping staff members Mrs. Bhanu and Mrs. Kamalamma. The second patient to be seen at LVPEI in 1987, Mr Bulusu Ramesh (picture on right), was present on the occasion – then a boy, he is now a young man. Representatives from LVPEI's various arms presented updates on the Institute's progress over the last two decades – patient care, education and training, community outreach, research, eye banking, and vision rehabilitation. The evening concluded with a cultural program.

Conferences

International symposium on electrophysiology of vision

The XLV annual symposium of the International Society for Clinical Electrophysiology of Vision (ISCEV) was held from August 25-29, 2007, at the Taj Krishna and hosted by LVPEI. A total of 237 participants interacted during the meeting. There were 188 scientific delegates from 24 countries across 5 continents, who attended the scientific sessions. The program included high quality 55 paper presentations, 3 keynote addresses, 39 posters and an award lecture. The trade exhibition had 15 trade display counters of major international electrophysiology equipment manufacturers.



The ISCEV participants against the backdrop of the imposing Golconda Fort



Fun and revelry during the ISCEV symposium

Workshop on Visual Electrophysiology

A Hands-on Workshop on Visual Electrophysiology was conducted at LVPEI, Hyderabad, on August 24-25, 2007, with 87 registered participants. The workshop included lectures and practical and hands-on experience in visual electrophysiology. Seven faculty members from five countries shared their expertise with the delegates in 17 didactic lectures. Eight manufacturers set up equipment stalls for use during the course.

The cultural program included a presentation on the growth of LVPEI, an introduction to 2000-year-old Indian Buddhist architecture, a glimpse into Nobel Laureate Rabindranath Tagore's poetic life and a folk dance recital. The evening ended with a Kashmiri food festival.

Indian Eye Research Group meeting

The 16th annual meeting of the Indian Eye Research Group, held at LVPEI, Hyderabad, from July 28 – 29, 2007, was a huge success. Over 80 external delegates from various institutions in India attended the meeting, which comprised paper and poster sessions with 42 free papers, 42 posters, and 3 invited talks. Dr Samuel Zigler Jr from John Hopkins University delivered the Bireswar Chakrabarti Memorial Oration. Four participants received the Amjad Rahi prize for best presentation, two each for free paper and poster presentations. Travel fellowships were given to eight participants.



Congenital glaucoma meet facilitates interaction

The 13th Association of Parents of Childhood Glaucoma (APCG) annual meeting was conducted on November 29, 2007. The support group for parents of children with congenital glaucoma is an initiative of Dr Anil K Mandal, Head, Jasti V Ramanamma Children's Eye Care Centre. This year too, the event attracted parents with children of all ages. Starting with a talk by Dr Mandal, the heart of the program was the shared experiences of parents and cultural items presented spontaneously by the children. All the children received gifts from Milmet Pharmaceuticals Private Limited.



Parents of children with congenital glaucoma take the stage to share their experiences

Cutting Edge 2007

Cutting Edge 2007, the joint annual meeting of the Oculoplastics Association of India (OPAI) and the Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS) was held at Hyderabad International Convention Centre, Hyderabad, December 13-16, 2007. L V Prasad Eye Institute was the official host for the event. The first such Asia Pacific meeting in India, it had the participation of every major ophthalmic plastic and reconstructive surgery society including the American Society of Ophthalmic Plastic & Reconstructive Surgery (ASOPRS), European Society of Ophthalmic Plastic & Reconstructive Surgery (ESOPRS), British Oculoplastic Surgery Society (BOPSS), and International Society of Ocular Oncology (ISOO). (See also page 77)



Cutting Edge 2007

World Glaucoma Day & Glaucoma Meet

The World Glaucoma Association observed World Glaucoma Day on March 6, 2008, and LVPEI observed the day across its three campuses – Hyderabad, Bhubaneswar and Visakhapatnam. Glaucoma patients, their relatives and experts in the field attended a meeting at the auditorium of each campus, with all the auditoriums being linked through videoconferencing. The objective was to increase awareness of glaucoma and form a glaucoma support group for patients.

Coinciding with World Glaucoma Day, a two-day Glaucoma Update was organized from March 8-9, 2008, with the three LVPEI campuses linked through videoconferencing. Talks were delivered by the Institute and invited faculty, followed by interaction among the delegates and faculty. The event was held at LVPEI Visakhapatnam, and beamed to the other two campuses.

Awards

Award for stem cell therapy at LVPEI

Dr Geeta K Vemuganti and Dr Virender Singh Sangwan were jointly selected for the Biotech Products and Process Development and Commercialisation Awards for 2007 for initiating the first adult stem therapy in India, which has turned out to be the largest clinical trial of its kind that has restored sight to more than 200 patients. Initiated by the Ministry of Science & Technology, Department of Biotechnology, Govt. of India, the awards were presented by former President of India Dr A P J Abdul Kalam on May 11, 2007, in New Delhi.



Dr APJ Abdul Kalam presents the award to Dr Virender Sangwan and Dr Geeta K Vemuganti



Dr G N Rao, Dr Tara A Cortes, and Dr Donald DAmico with the Pisart Award

Pisart Vision Award for Dr G N Rao

Dr Gullapalli N Rao, Chairman, LVPEI, was awarded the 2007 Pisart Vision Award, given each year to an outstanding humanitarian and respected ophthalmologist by the Lighthouse International of New York. The Pisart Award is partially funded by Mme Georgette Pisart, a longtime volunteer of Lighthouse International, New York, USA. November 15, 2007.

Melbourne Univ honors Dr Rao

Dr G N Rao was awarded a Doctor of Medicine (honoris causa), from the University of Melbourne on December 8, 2007. The Centre for Eye Research Australia nominated him for the award in recognition of his inspirational work in leading global efforts to eliminate avoidable blindness.

EMPI – Indian Express Indian Innovation Awards 2006

Dr APJ Abdul Kalam, former President of India, gave away the EMPI – Indian Express Indian Innovation Awards 2006 at a glittering ceremony on December 22, 2007, in New Delhi. Dr G N Rao received the spectacular Gold Trophy on behalf of LV Prasad Eye Institute. The citation read "In recognition of the institution's innovative approach to providing a sustainable, comprehensive rehabilitation and community health eye-care to communities in remote as well as in urban areas. The system covers primary eye care through trained local 'vision guardians' and 'vision centres' in remote areas, networked for advanced tertiary care, to a world class cutting edge research eye care centre of excellence." Eight other organizations won gold trophies in various fields of industry and enterprise, while five received silver trophies.

A panel discussion, 'Innovative Journeys' was also held with all the award winners participating. Moderated by Mr Arun Maira, Chairman, Boston Consulting Group, USA, the session brought out insights and key issues of the winning organizations' innovations, the challenges they faced in implementation and their social and business impact. The Annual EMPI (Entrepreneurship and Management Processes International, New Delhi) – Indian Express Indian Innovation Awards are aimed at promoting a culture of innovation in the country.



The Kismatpur campus of LVPEI Hyderabad won the FACT company shield for Best Rose Garden at the 32nd Rose Show in Hyderabad on December 8, 2007. In addition, the Institute walked away with many first prizes for specimen blooms, exhibited at the show. On January 29, 2008, the Kismatpur campus was awarded the second prize in the 2008 Garden Festival organized by the Horticulture Department, government of Andhra Pradesh. A total of 143 gardens participated in the educational institutions category. Picture above: Mr MAA Ansari, Horticultural Consultant, LVPEI, receives the trophy from Mrs Raghavan, wife of Mr Raghavan, authority on roses.

Special Lectures

Syamala Bhaskaran Endowment Lecture

The Eleventh Dr C Syamala Bhaskaran Endowment Lecture was held on Monday September 24, 2007. This year's guest speaker was Dr Baruch D Kuppermann, Professor, Department of Ophthalmology, University of California, USA. He spoke on age-related macular degeneration, touching upon new and exciting treatment and management strategies and research initiatives. Dr Syamala Bhaskaran and Dr C S Bhaskaran, along with Dr G Chandrasekhar, presented the Oration plaque to Prof Kuppermann.



Dr G Chandrasekhar, Director, LVPEI, Hyderabad, felicitates guest speaker Prof B D Kuppermann. Also seen (from left) Dr T Das, Director, LVPEI, Bhubaneswar, Mr C S Bhaskaran, Dr Mrs Syamala Bhaskaran, and Dr Ajit B Majji, Head, Retina Services



Dr G N Rao presents a commemorative plaque to Dr Namperumalsamy

Dr Rustom D Ranji Rotary Award Lecture

The Dr Rustom D Ranji Rotary Award Lecture 2007 was delivered on October 24, 2007, by Dr P Namperumalsamy, Chairman, Aravind Eye Care System, Madurai. Dr Rustom D Ranji, Honorary Ophthalmologist to the former Nizam of Hyderabad, was associated with several charitable institutions, particularly the Institute for the Blind. The Rotary Club of Hyderabad Dist 3150 set up a corpus fund at L V Prasad Eye Institute in 1997-98, and continues to sponsor an annual lecture in Dr Rustom Ranji's memory.

Alumni News



Dr Debbie Sweeney addresses the audience

Annual Alumni Day

LVPEI's annual Alumni Day was held on October 16, 2007, with a CME (continuing medical education) program for the LVP alumni with scientific sessions dedicated to cornea, glaucoma, and retina.

On October 17, 2007, the Alumni Day celebrations coincided with the Foundation Day program, which was attended by Guests of Honor Dr Suzanne Gilbert, Director, Center for Innovation in Eye Care, Seva Foundation, USA, and Dr Debbie Sweeny, CEO, Vision CRC, Sydney, Australia. Dr M Rammohan Rao, Dean, Indian School of Business, Hyderabad, delivered the guest lecture.

(See also Foundation Day report, page 19)

Later the Institute staff participated in a Visioning Workshop – an organizational development exercise on LVPEI's core values (led by ThinkSoft Consultants, Hyderabad). The exercise provided administrators, consultants, optometrists and the support staff an opportunity to reflect on and share their views on what LVPEI stood for and what it meant to them to work here. The audience, split into groups, discussed key questions about the organizational vision, to arrive at five key words that they would like to see reflected in a vision statement, along with three non-negotiables. There was agreement that a vision should reflect not only what the organization wished to achieve for society and individuals, but also the aspirations and needs of its own employees.

In the second half of the day a Practice Development seminar was organized for the LVPEI alumni. The external faculty included Mr Jaideep Bajaj, consultant; Dr Ajay Sharma and Mr Rajat Goel of Eye-Q; Mr Rajamani from Carl Zeiss; and Mr Rahul Singh, Investment Head (South India Head), Citibank. The seminar was attended by 30 alumni members from outside Hyderabad, not working with LVPEI currently.

Honor for LVPEI alumnus

Anand Parthasarathy, LVPEI fellow (Cornea & Anterior Segment, 2002-2003), was awarded Best Poster in the Cornea and External Disease section for his poster 'Outcomes of therapeutic lamellar keratoplasty and penetrating keratoplasty for infectious keratitis – A comparative cohort study' at the annual meeting of the American Academy of Ophthalmology, New Orleans, USA, October 10-13, 2007.

New responsibilities

Dr Raman Mittal, LVPEI fellow (Ophthalmic Plastic Surgery, Orbital Diseases and Ocular Oncology Services, 2004-2005) has moved from MGM Eye Institute, Raipur. He is now working at Grewal Eye Institute (Chandigarh) and at Om Prakash Satyam Netralaya (Amritsar), three days a week each. On the personal front, he was blessed with a baby girl in March 2008.

Dr G Chandrasekhar, Director, LVPEI, Hyderabad, presents a memento to Dr Suzanne Gilbert



Across our campuses

Patient Care

The reach and range of our patient care services continues to grow. During the year in review, the three tertiary care centers received nearly 280,000 outpatient visits and handled more than 32,000 surgeries. New services were introduced at all three centers, reflecting the increasing awareness of specialized eye care services and our capacity to administer to these needs. Children and the elderly continue to be special points of focus of our work, as are rehabilitative and assistive services for those with untreatable vision impairment. At the other end of the spectrum, we are sensitive to the changing needs of society, and are extending our services in areas of emerging need such as refractive surgery and aesthetic services. The main focus of our work, however, is the patient whose life can be transformed with comprehensive, high quality eye care, whether or not this patient can pay.





Bhubaneswar



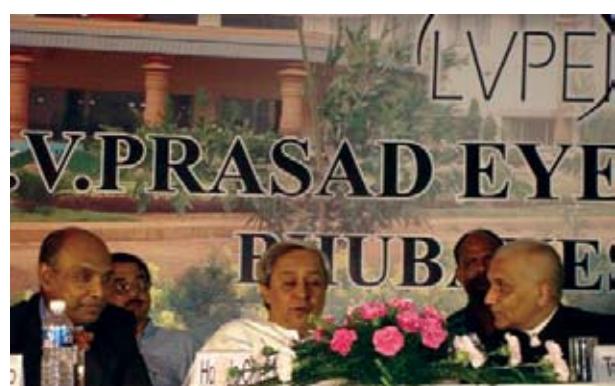
drushti daan eye bank set up

An MoU was signed between drushti daan and LVPEI, Bhubaneswar, on April 3, 2007, in the presence of Dr Gullapalli N Rao, Dr Taraprasad Das, Prof Paul J Dubord, Chairman, Eyesight International, Canada, Dr Krishna Charan Padhi, and Mrs Sudha Sundararajan. The eye bank will now be housed in the premises of LVPEI, Bhubaneswar. Speaking at the occasion, Prof Paul J Dubord announced Eyesight International's support for building and equipping the eye bank. Dr Rao reiterated that this would be a community eye bank and provide corneas for corneal transplantation to surgeons in the state of Orissa and the surrounding regions.

Dr Usha Gopinathan lighting the lamp at the inauguration of drushti daan Eye Bank

First anniversary celebrations

L V Prasad Eye Institute, Bhubaneswar, celebrated its first anniversary on July 3, 2007. The occasion was marked by the inauguration of drushti daan Eye Bank by the Chief Minister of Orissa Mr Naveen Patnaik. Other dignitaries present included Minister of Health and Family Welfare Mr Duryodhan Majhi; Prof Paul J Dubord; Dr Gullapalli N Rao, Chairman, LVPEI; Dr Krishna Charan Padhi, President, drushti daan Eye Bank; Dr Usha Gopinathan, Vice President, Eye Bank Association of India; Mrs Sudha Sundararajan, Secretary, drushti daan Eye Bank; Dr Taraprasad Das, Director, LVPEI, Bhubaneswar; Mrs Lalitha Raghuram, Country Director, Operation Eyesight Universal, Canada; and Dr Sujata Das, Medical Director, drushti daan Eye Bank.



Dr Gullapalli N Rao, Chief Minister Mr Naveen Patnaik, and Dr T Das on the dais

Dr Das outlined the Institute's progress, the services provided and community initiatives undertaken during the year. Dr Rao spoke of the two-decade journey of LVPEI and its future plans. The Chief Minister lauded the Institute's work and appealed to the people to pledge their eyes to combat corneal blindness. He presented certificates to the qualifying Vision Technicians as well as the Best Employee awards. Mr Majhi presented certificates to graduating Ophthalmic Nursing Assistants.



File photo of Prof Paul J Dubord at LVPEI

LVPEI-NTPC centre inaugurated

On October 10, 2007, L V Prasad Eye Institute, Bhubaneswar, opened three new centres – the Centre for Diabetic Eye Diseases, Eye Trauma Centre and Sight Enhancement and Rehabilitation Centre – with the generous support of the National Thermal Power Corporation (NTPC). Mr Sushil Kumar Shinde, Union Minister for Power, inaugurated the centres. Mr Naveen Patnaik, Chief Minister of Orissa, was the chief guest. The other dignitaries present were Mr Duryodhan Majhi, Minister of Health and Family Welfare, Government of Orissa, Mr T Sankarlingam, CMD, NTPC, Mr Somnath Banerjee, ED, NTPC (Kaniha), Dr Gullapalli N Rao, and Mr L I Parija, Chairman, LVPEI, Bhubaneswar Board.



From left: Mr Sushil K Shinde, Mr Naveen Patnaik, Dr Taraprasad Das at the inauguration



Dr Savitri Sharma Das cutting the ribbon to inaugurate the SBI ATM

SBI opens an ATM counter

The State Bank of India, Bhubaneswar Zonal Office, opened an SBI-ATM counter on July 2, 2007, at LVPEI, Bhubaneswar. The counter was inaugurated by Dr Savitri Sharma Das, Associate Director of Laboratory Services, LVPEI. Among those present were Mr V Madhusudan Rao, Deputy General Manager of SBI, Bhubaneswar Zonal Office, and Mrs Padmini Rao, President, SBI Ladies Club. SBI also supported the non-paying surgeries at the Institute on July 2 and 4, 2007.

National Eye Donation fortnight

To commemorate 22nd National Eye Donation Fortnight, drushti daan organized a symposium on 'Awareness of Eye Donation' on August 25, 2007. Several NGOs, along with donors and recipient families, participated in the symposium. Issues related to eye donation, eye banking, and the hospital corneal retrieval program were discussed.

National seminar on 'Vision for Children'

This year the International Agency for the Prevention of Blindness (IAPB) dedicated World Sight Day to 'Vision for Children'. The National Programme for the Control of Blindness (NPCB), Government of India, and VISION 2020: The Right to Sight – India commemorated World Sight Day 2007 by conducting a symposium on 'Vision for Children' on October 10, 2007. Mrs Hema Malini, Brand Ambassador of VISION 2020: The Right to Sight – India, attended the last session and also interacted with the young staff of the institute. (See also page 77)



Dr Taraprasad Das and Mrs Hema Malini interact with the staff of LVPEI, Bhubaneswar



Dr Hruday Ranjan Mohanty, ophthalmologist, chairing a session with Ms Lalitha Raghuram, Country Director, Operation Eyesight Universal

Retina Congress

The XII Retina Congress was organized at LVPEI Bhubaneswar, December 7-9, 2007, with Dr Soumyav Basu as the organizing secretary. The main aim of the congress was to create a platform for lively interactive discussion with national and international faculty. (See also page 77)

IGNOU Study Centre inauguration

The Indira Gandhi National Open University (IGNOU) and LVPEI Bhubaneswar have started a BSc (Hons) Optometry & Ophthalmic Technique course. The IGNOU Study Centre was formally inaugurated on January 22, 2008. Ten students have enrolled in the first batch. Dr Krishna Charan Padhy, president, drushti daan, was the chief guest. Dr S K Tripathy, Regional Director, IGNOU Bhubaneswar centre; Prof. Coen de Jong, Director, Bausch & Lomb School of Optometry, LVPEI; and Dr Taraprasad Das were present along with the staff and students.

Friends of drushti daan meet

On March 5, 2008, the Governor of Orissa Mr Murali C Bhandare visited the Institute to commemorate the day as 'the friends of drushti daan.' Mr Tuhin K Pandey, Commissioner-cum-Secretary, Health and Family Welfare, Government of Orissa, and Prof Paul J Dubord, Chairman, Eyesight International, were the guests of honour. Also present were Dr Gullapalli N Rao, Dr K C Padhy, delegates from Sight & Life, USA, and the media.

The Governor released a souvenir, visited the eye bank and took an eye donation pledge. Lauding the efforts of LVPEI Bhubaneswar, he appealed to the people to pledge their eyes to combat corneal blindness.



Governor of Orissa Mr Murali C Bhandare plants a sapling



Winners of the quiz competition

3rd Foundation Day celebrations

L V Prasad Eye Institute, Bhubaneswar, celebrated its 3rd Foundation Day on January 16, 2008. To commemorate the day, the staff had organized various activities such as sports events, a quiz competition, singing, dancing, and mimicry. The winners were given prizes at a function that concluded with a cultural program. On January 15, 2008, Dr Achyuta Samanta, the youngest Chancellor in India, Kalinga Institute of Industrial Technology (KIIT) University, Bhubaneswar, delivered the Foundation Day lecture and shared his experiences of setting up the University.

Clinical Biochemistry Service

The Clinical Biochemistry Service at LVPEI Bhubaneswar was opened on December 26, 2007, to perform laboratory tests required for preoperative evaluation of patients. While paying patients would pay nominal fees, the services would be provided free for non-paying patients.

School Eye Screening Programs

- A total of 4,700 school children between 6-15 years of age were screened at the Kalinga Institute of Social Science, Jali Primary School, Sikharchandi village school and DPS Kalinga School between April 2007 and March 2008. Subsequently, 223 children came to the institute for a check up. Ninety-three children identified with refractive errors were given spectacles and two children underwent surgery at no cost to them.
- A teachers' training program was organized on December 18, 2007 and January 29, 2008 at the institute for teachers from Jali Primary school, Sikharchandi village school, volunteers from the social organization Professionals Association for Action and Development (PAAD) and Delhi Public School Kalinga. Thirty-eight school teachers were given training on how to screen the children with eye problems in classroom situation.

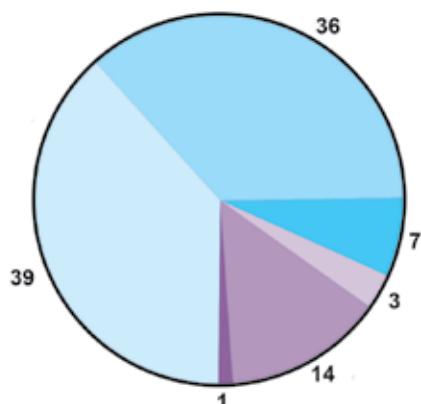


A student tries out a pair of spectacles

Hospital



Analysis of surgical procedures (%)



Cataract	1,378
Retina Vitreous	1,310
Corneal surgeries	252
Glucoma	108
Plastic surgeries	512
Other surgeries	42

In addition, 127 children were examined and treated under anesthesia (EUA).

Vision Rehabilitation Centres

LVPEI-NTPC Centre for Sight Enhancement

Low vision care during the year	
New patients	130
Follow-up patients	34
Total	164

Optical devices prescribed	
Spectacles	63
Magnifiers	25
Telescopes	15

Non-Optical devices prescribed	
Reading stand	82
Reading lamp	69
Light control devices	36
Closed-circuit television	10

Rehabilitation for the Blind & Visually Impaired

Children's Centre	106
Adult Centre	160
Total	266

Rehabilitation Services

Counseling	266
Special Skill Training	95
Instruction in use of	
– Assistive devices (computers)	24
– Low vision devices	89
Environmental modification	234
Educational guidance	93
Vocational guidance	73
Referral to other services	61
Supportive guidance	124

drushti daan Eye Bank Statistics

Cornea collected	59	Motivated	51
Cornea utilized	28	Volunteered	08
Used for research	31		



GMRV Campus, Visakhapatnam

First anniversary celebrations

On July 7, 2007, LV Prasad Eye Institute, Visakhapatnam, celebrated its first anniversary, and the occasion was auspicious for more reasons than one. The Visakhapatnam institute campus was christened 'GMR Varalakshmi Campus' in honor of Mrs Varalakshmi and Mr G M Rao of the GMR Group. The GMR group of companies has committed long-term support to LVPEI over the next five years for its continued growth.

The day also marked the inauguration of Mohsin Eye Bank at the Institute. The eye bank is managed by VEBART Trust. His Excellency Shri Rameshwar Thakur, Governor of Andhra Pradesh, unveiled a plaque commemorating the occasion. Chairman of Mohsin Eye Bank and VEBART Trust Dr R Ahikrishna and Chairman of LVPEI, Dr Gullapalli N Rao, formalized a Memorandum of Understanding between the two organizations.

In his address, the Governor urged the gathering to pledge their eyes as the gift of sight was the greatest gift one could bestow. He also encouraged them to work towards making eye care equitable and affordable to all members of society.

The Guest of Honor was Flag-Officer Commanding-in-Chief Vice Admiral Raman P Suthan. Visakhapatnam Mayor Mr Janardhan Rao was also present. A cultural program was organized by the LVPEI staff in the evening, where winners of various sports events and best employee awards were felicitated. The program included performances by three talented, visually impaired patients.

Visit of Mrs GMR Varalakshmi: On January 11, 2008, Mrs GMR Varalakshmi visited the campus.



Shri Rameshwar Thakur inaugurates
Mohsin Eye Bank



Mrs GMR Varalakshmi presents a
cheque to Dr PVKS Varma



Family members of Mr G Mallikarjuna Rao lighting
the lamp at the first anniversary celebrations



Nimmagadda Prasad Children's Eye Care Centre

As part of the state-wide Nimmagadda Prasad Children's Eye Health Initiative, the Nimmagadda Prasad Children's Eye Care Centre was inaugurated on November 3, 2007. The Centre will provide advanced eye care for all children's eye problems for a population of 10 million around Visakhapatnam. The vision of this initiative is "No child in Andhra Pradesh should be needlessly blind or visually impaired by 2020".

(See also News, page 15)



People register for eye screening at Visakhapatnam

LVPEI – Fullerton India 'Save the Eye' Program

L V Prasad Eye Institute, Visakhapatnam, with support from Fullerton India Credit Company Limited, conducted a community screening program at Vivekananda Kalyana Mandapam, Visakhapatnam, on August 19, 2007, to increase awareness about the causes of eye diseases and preventive methods, while making affordable and quality eye care available to the people. The program included the following services: eye screening for refraction and prescription of spectacles; eye screening for all major blinding diseases, diagnosis, referral and counseling; referrals for surgeries and other critical care; dispensing of spectacles and medicines; and display of awareness posters. Almost 500 people were screened, 200 were given free spectacles by Fullerton and 168 were referred to LVPEI, Visakhapatnam, for further management.

Eye Banking and Cornea Meet

An Eye Banking and Cornea Meet was held on August 26, 2007. It was jointly organized by LVPEI along with the VEBART trust. The faculty included both external experts and our faculty from all campuses. Over 80 ophthalmologists attended the seminar from around Visakhapatnam. (See also page 78)

Ocular Oncology services launched

The Oculoplasty and Ocular Oncology Services commenced on November 1, 2007. Dr Roshmi Gupta, former fellow of LVPEI and former consultant of Narayan Netralaya, Bangalore, who has recently returned from a fellowship in USA, heads the department.

Cataract & Cornea Seminar

The Cataract & Cornea Seminar organized from November 3-4, 2007, included guest faculty from Chennai, Ahmedabad, and from LVPEI. Over 80 delegates attended. This included didactic lectures, interactive sessions and practical wet lab sessions. (See also page 78)

Sight Life team visits LVPEI

On March 7, 2008, Mr Monty M Montoya, President & CEO, Sight Life, USA, and his team visited the Mohsin Eye Bank. Sight Life, USA, and the Blume Foundation are major supporters of Mohsin Eye Bank. They conducted a meeting with Trust Board members, visited the Eye Bank's Hospital Cornea Retrieval Program Information Centre at KGH, met Dr Ravi Raju, Superintendent of KGH and the Principal of Andhra Medical College, Visakhapatnam.

World Glaucoma Day

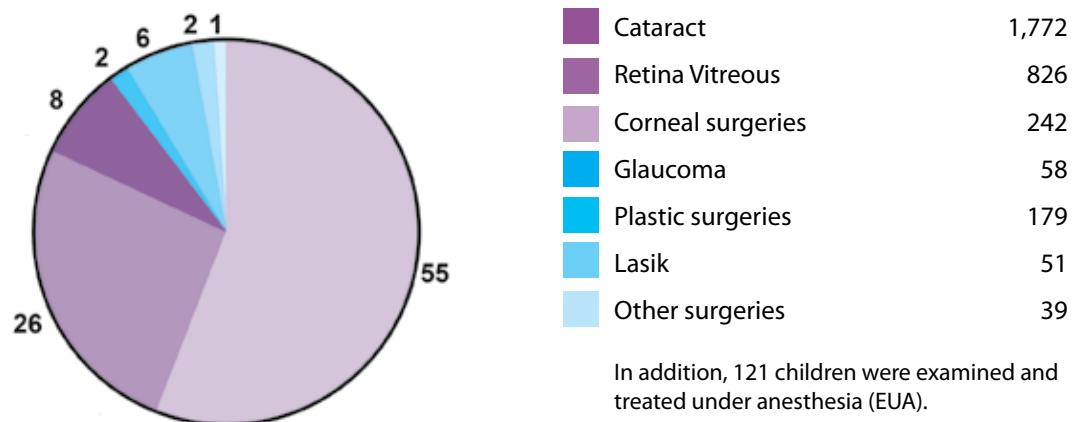
World Glaucoma Day was celebrated across all the three campuses of LVPEI on March 6, 2008. To commemorate the occasion, a Glaucoma Update was conducted from March 8-9, 2008, at LVPEI Visakhapatnam. The faculty for the program included Dr Ronnie George, Sankara Nethralaya, Chennai; Dr R Ramakrishnan, Aravind Eye Hospital, Tirunelveli; Dr C V Gopala Raju, Visakha Eye Hospital, Visakhapatnam; Dr G R Reddy, Sri Venkateswara Nethralaya, Thadepalligudem; as well as the senior faculty of L V Prasad Eye Institute's three campuses. The interactive seminar was conducted across all the three campuses via video-conference facility. The event was held at LVPEI Visakhapatnam and beamed to the other two campuses. (See also page 78)

Hospital

Performance

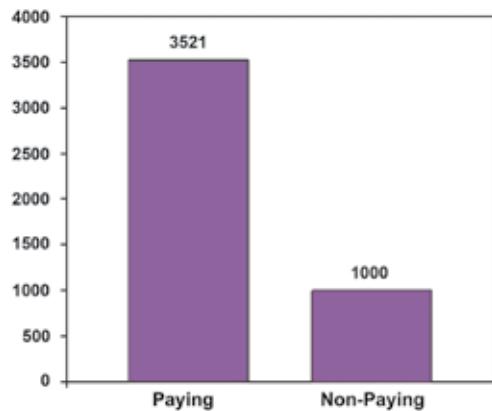


Analysis of surgical procedures (%)

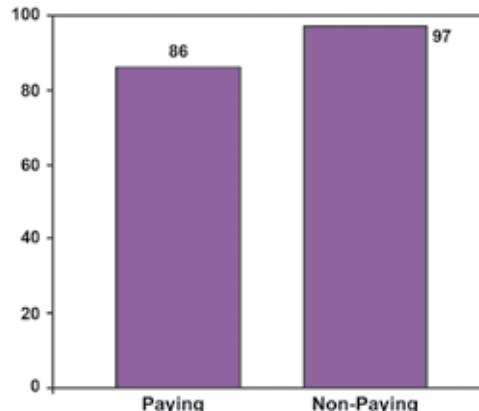


Nimmagadda Prasad Children's Eye Care Centre

Outpatient visits: 4,521



Surgical procedures: 183



(Data included in the annual statistics above)

LASIK Centre

With the growing popularity of LASIK refractive correction, a state-of-the-art excimer laser was set up at GMR Varalakshmi campus on April 4, 2007.

Public Education Forum

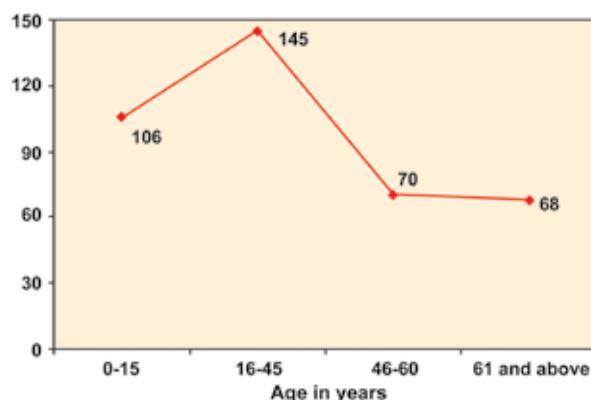
LVPEI Visakhapatnam held its first Public Education Forum on cataract on April 29, 2007, with an audience of approximately 1200 people. Dr Gullapalli N Rao and LVPEI Visakhapatnam consultants spoke on the magnitude of cataract blindness, what causes cataract, the treatment methods available and various myths and facts pertaining to cataract.

Vision Rehabilitation Centres

Bob Ohlson Centre for Sight Enhancement

Low vision care during the year		Optical devices prescribed		Non-Optical devices prescribed	
New patients	389	Spectacles	191	Reading stand	98
Follow-up patients	108	Magnifiers	141	Reading lamp	86
Total	497	Telescopes	61	Light control devices	30
				Closed-circuit television	3

Age-wise analysis of patients



Rehabilitation for the Blind & Visually Impaired

Children's Centre	360
Adult Centre	522
Total	882

Rehabilitation Services

Counseling	731
Special Skill Training	835
Instruction in use of	
- Assistive devices (computers)	1010
- Low vision devices	353
Environmental modification	342
Educational guidance	293
Vocational guidance	259
Referral to other services	134
Follow up	157



Children playing at the Nimmagadda Prasad Children's Eye Care Centre

Mohsin Eye Bank Statistics

Cornea collected	122	Motivated	60
Cornea utilized	74	Volunteered	62
Used for research	48		

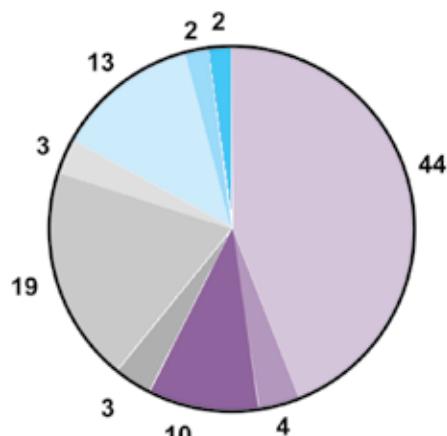
Kallam Anji Reddy Campus, Hyderabad

Hospital

Performance



Analysis of surgical procedures (%)

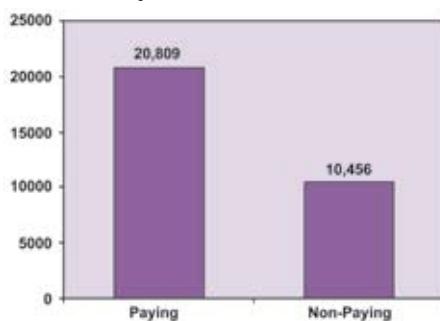


Cataract	11,509
Corneal transplants	922
Corneal surgeries	2,582
Glaucoma	862
Retina Vitreous	5,003
Squint	775
Plastic surgeries	3,310
Lasers	555
Other surgeries	550

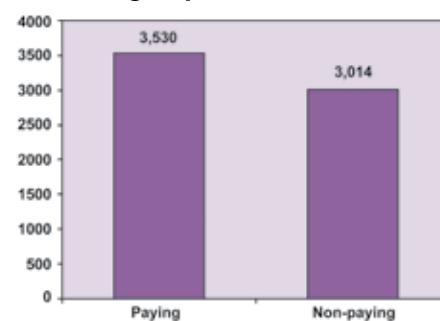
In addition, 2877 children were examined and treated under anesthesia (EUA).

Jasti V Ramanamma Children's Eye Care Centre

Outpatient visits: 31,265



Surgical procedures: 6,544



(Data included in the annual statistics above)

Retinopathy of Prematurity (ROP)

For the first time we treated newborn to one-month old babies who were referred to us and airlifted from remote parts of India such as Sikkim and Bhilai. The early ROP treatment helped save the babies' vision; this stands testimony to our efforts towards creating awareness about early treatment for retinopathy of prematurity in infants to save their vision.

Ocular Oncology Service

In 2004, Dr Parin Vakharia set up a Corpus Fund for treatment of children with eye cancer, in memory of late Olive Swoboda. The fund has enabled L V Prasad Eye Institute to provide quality tertiary cancer care to hundreds of children from underprivileged families free of charge. During the period under review (April 1, 2007 to March 31, 2008) the total number of procedures performed on children with retinoblastoma was 1617. Of these 844 children were treated absolutely free of charge. The procedures performed included examination under anesthesia, laser transpupillary thermotherapy and cryotherapy, as well as hospital-based chemotherapy, and surgical procedures like enucleation with orbital implant and plaque brachytherapy.

Ramayamma International Eye Bank

"This is the first time in the history of our family that we as parents have taken this decision to donate eyes. We believe our baby daughter came into the world with this divine purpose and this is a great solace to our hearts. As you rightly said this would be a living memorial to our loved one who entered this world as a butterfly and left us before we could see her flying colours."

– Expressions from a donor family

Community Eye Banking Program

We provided 465 donor corneas to corneal surgeons outside LVPEI, both within and outside Andhra Pradesh.

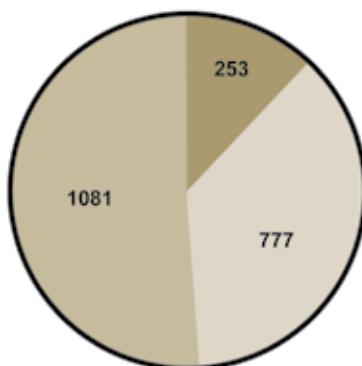
Training

Training was provided to 16 eye bank technicians, 7 eye donation counsellors, 5 ophthalmologists and 1 eye bank manager. This was supported by a significant grant from Eyesight International of Canada.



Across LVPEI network

Tissues received from RIEB affiliate centres



- RIEB Affiliate Centres at Suryapet, Nidadavole & Tanuku
- Eye Bank Coordination & Research Centre (EBCRC) – eyes received only for practice
- Other Eye Banks

Gift of Sight Award

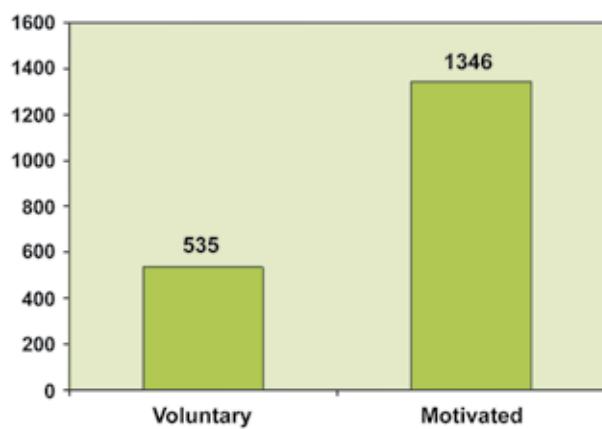
April 2007 – Mr T Raju

May 2007 – March 2008 – Mr A Raghu

Our gratitude to all affiliates who helped us with donor corneas: The Khammam Eye Bank, Khammam (246); Smt. R R Lions Eye Hospital, Nidadavole (160); Modern Hospital, Nellore (105); Ongole Eye Bank, Ongole (96); Shri KVB Reddy IRCS Eye bank, Kurnool (88); Lions Club of Suryapet, Suryapet (75); Regional Eye Hospital, Warangal (68); Lions Club of Janagaon, Jangaon (62); Lions Club of Karimnagar, Karimnagar (54); Lions Eye Hospital, Palakol (50); Chiranjeevi Eye & Blood Bank, Hyderabad (44); Sudarsani Eye Hospital, Guntur (40); Lions Club of Mahaboobabad, Mahaboobabad (38); Sadhuram Eye Hospital, Hyderabad (22); Rotary Eye Hospital, Vuyyur (20); Lions Dundoo Eye Institute, Secunderabad (20); Mullapudi Venkatrayudu Eye Centre, Tanuku (18); Badam Balakrishna Eye Bank, Kakinada (18); Lions Club of Sircilla, Sircilla (16); Rajiv Gandhi Super Sp. Hospital, Raichur (12); Mohsin Eye Bank, Visakhapatnam (10); District Hospital, Nandyal (8); Lions Club of Nizamabad, Nizamabad (8); District Blindness Control Society, Nalgonda (8); Dr Akbar Eye Hospital, Anantpur (6); SVRR Govt. General Hospital, Tirupati (6); Sukhabhogi Seva Samiti, Mancherial (4); Lions Club of Cherital, Cherital (4); Lions Club of Palvancha, Palvancha (4); Lions Club of Mancherial (Garividi), Mancherial (4); Sri Sai Rupa Netralaya, Repalle (4); Lions Club of Mancherial, Mancherial (2); Vasavi Lions Eye Hospital, Nizamabad (2); Krishna Sai Hospital, Siddipet (2); Govt. Regional Eye Hospital, Kurnool (2); Nayana Eye Care, Nandyal (2); Drusti Foundation, Bidar (2); Govt. Hospital, Guntur (2); Annapurna Netralayam, Nalgonda (2)

Practice Eyes: Eye Bank Coordination & Research Center, Mumbai (777)

RIEB Collection – Hyderabad: 1881

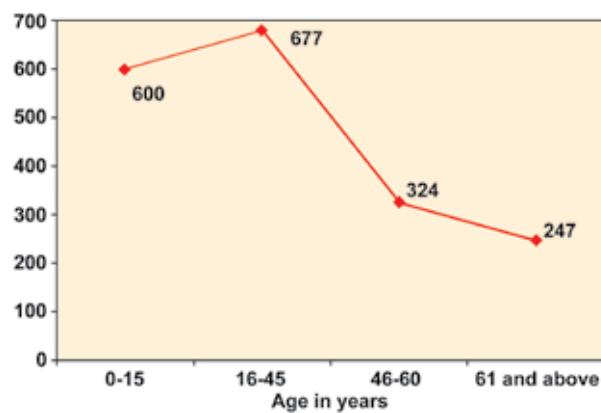


Vision Rehabilitation Centres

Meera & L B Deshpande Centre for Sight Enhancement

Low vision care during the year		Optical devices prescribed	Non-Optical devices prescribed
New patients	1848	Spectacles	448
Follow-up patients	746	Magnifiers	525
Total	2594	Telescopes	128

Age-wise analysis of patients



Dr PRK Prasad Centre for Rehabilitation of Blind and Visually Impaired

Children's Centre	1394
Adult Centre	2249
Total	3643

Rehabilitation Services

Counseling	3265
Special Skill Training	608
Instruction in use of – Assistive devices (computers)	653
– Low vision devices	944
Environmental modification	2159
Educational guidance	1110
Vocational guidance	379
Supportive services	2417
Referral to other services	339
Follow up	1350



Activities and events

Nine 3rd year students of BHSc, from Acharya N G Ranga Agricultural University, came on an **observation visit** for 'Management of children with special needs' on April 20, 2007.

An **Arts and Crafts workshop** was held at LVPEI on July 14, 2007, in which 25 visually impaired children participated, along with their parents.

A workshop was conducted on '**Meeting the rehabilitation needs of low vision children**' on August 11, 2007, for students of the BEd special education course at Thakur Hari Prasad Institute for the Research and Rehabilitation of Mentally Retarded (THPI), Hyderabad.

Mr Nagagurappa and the community-based rehabilitation (CBR) team conducted an **orientation and mobility course** for the students and staff of BBS Devnar School for the Blind, from August 20-22, 2007.

The Vision Rehabilitation Centres participated in the **World Sight Day** celebrations on October 11, 2007, and showcased a range of low vision devices, including special software for persons with visual impairment.



Some drawings by visually impaired children, used as artworks for greeting cards that are on sale at the Vision Rehabilitation Centre



Fun and games at the Fun Camp

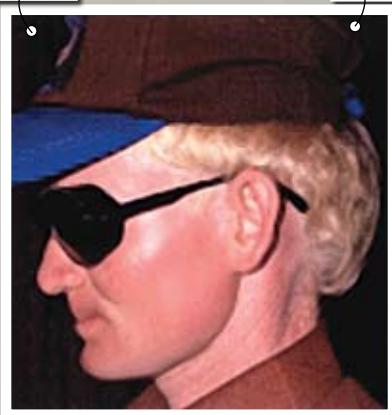
The Vision Rehabilitation Centres organized an **integrated fun camp** for visually challenged and sighted children on December 9, 2007. The 230 participants included vision impaired children, sighted siblings and family members. A team of dedicated volunteers and staff coordinated the event, which comprised a range of indoor and outdoor activities and competitions. The parents had an opportunity to learn from one another on how to cope with the challenges of raising special children. All the children were presented with certificates, gifts and prizes. The camp aims to enhance the children's social skills, and foster independence and self-esteem.

An interactive session on '**Achieving independence in all aspects**' was conducted for adults with vision impairment on February 9, 2008. Individual issues for achieving independence was the focus of the session. In addition, patients who had fared well guided others regarding employment opportunities, advocacy and day-to-day issues in coping with vision loss. The session was greatly appreciated; such sessions will now be conducted every quarter.

CME Programs

Low Vision Awareness program (LAP) for ophthalmologists, optometrists and rehabilitation professionals: The 17th LAP was conducted from April 27-29, 2007; 50 eye care professionals from all over the country participated in the program. The 18th LAP was conducted from September 28-30, 2007; 36 eye care professionals from India and two from Bangladesh participated in the program.





Patientspeak

It's not until a patient can "see" and "feel" the difference that we are satisfied, no matter how delicately the surgeon has wielded the microsurgical instruments required for ophthalmic surgery. For a rural agricultural worker, it might mean the removal of a cataract that has enabled him to regain control of his work and his life. For a schoolgirl in class seven, it might mean gaining the ability to participate on the same level as her classmates, just because a pair of high-powered lenses now allows her to see the blackboard better! Some of our patients paint their own pictures here, in their own words...

Amazing recovery for a young patient

Hitesh Kumar Sharma was just 4 in May 1999 when he was playing with his brother, though with a knife. His brother poked little Hitesh in the right eye with the knife. The panic-stricken parents took him to a hospital in Jaipur, where an emergency corneal tear repair was done and the globe structure salvaged. Hitesh had to undergo two more surgeries to remove a cataract with a posterior chamber intraocular lens implantation in July 1999. Then he underwent a posterior capsulotomy in September 1999.

After these surgeries, Hitesh did well for a while but eight years later, the numerous surgeries took a toll on his cornea. The cornea has a carpet-like layer of cells in its innermost layer called endothelial cells. This is a single layer of cells that is finite in number. Each cornea has a fixed number of these cells, which reduce in number gradually as a person ages. The primary function of these cells is to pump out water from the cornea and keep it transparent. However, multiple surgeries can cause significant damage to these cells resulting in a drastic reduction in number, eventually causing corneal decompensation leading to fluid accumulation and whitening of the cornea.

When Hitesh came to LVPEI Hyderabad in November 2007, he was suffering from exactly this condition. His vision was poor and he was able to identify objects only at a distance of 2 metres. He had dense corneal edema and a dislocated intraocular lens (IOL) that was rubbing on the cornea and causing recurrent damage to the endothelial cells. In the hope that he would have enough reserve endothelial cells and that his cornea would recover if the IOL was removed, he was advised an IOL explantation, which was done on January 1, 2008. The surgeon knew that the prognosis for a corneal transplantation would be very poor, even though the corneal edema did not subside. He was unable to continue his studies due to continuous watering and discomfort in his right eye.

In June 2008 Hitesh came to LVPEI again. This time the surgeon planned a definitive surgery but he faced a big challenge as scarring had left very little space for a

corneal transplant. An alternative surgery was considered – Descemets Stripping Endothelial Keratoplasty (DSEK)*, an exciting new procedure. Hitesh underwent DSEK but it was very different from routine DSEK surgery, because of his corneal scars.

Hitesh seemed fine on his first two post-operative visits; though his vision did not improve much, he was symptomatically slightly better. He was asked to go for follow up locally. When he came back after a month, there was a surprise in store for us. Hitesh had the biggest smile on his face, as did his father. His symptoms had disappeared completely and his vision had improved to 6/36. The edema in the cornea had resolved completely and the upper cornea was crystal clear. With contact lenses, his vision improved further to 6/24, a remarkable improvement considering he was injured at the age of 4 and did not have any amblyopia therapy since then. His surgeon hopes that with time and regular contact lens wear, Hitesh's vision would improve further. Most importantly, he is now free of the pain, watering and discomfort that he had lived with since childhood!

**DSEK or Descemet's Stripping Endothelial Keratoplasty is a new procedure of partial transplantation of the cornea. The endothelial cells in the innermost layer of the cornea are crucial to retain the clarity of the cornea as they continuously pump water out of it. All of us have a fixed number of these cells in our eyes. If the cells are damaged, water accumulates and the cornea becomes hazy, reducing vision. Earlier the only option was a full corneal transplantation (penetrating keratoplasty), but it has limitations such as suture related complications, infection and high astigmatism. DSEK has revolutionized corneal transplantation by allowing transplantation of only the diseased endothelial cells, leaving the rest of the cornea intact. Using a virtually sutureless procedure, a disc of healthy endothelium from a donor is inserted into the patient's eye and attached in place with an air bubble. Visual recovery is faster than in penetrating keratoplasty and complications such as infection, rejection and high astigmatism are greatly minimized. The surgery can be repeated with ease if required.*

No limits for Saida Naik



Saida Naik was ecstatic when he walked into LVPEI recently – he had been selected as a probationary officer by the State Bank of India. A patient of LVPEI for 12 years, he remembers when life didn't seem so promising.

Saida was born with albinism, a pigmentation disorder that robs the skin of its color and also affects vision. Albinism causes reduced visual acuity and extreme sensitivity to bright lights. His parents were farmers in Narasaraopeta, Guntur district. They had themselves never been to school, but they gave him an education. Eager to learn, Saida managed to get by at school by standing next to the chalkboard. In 1997, when he was in high school, a friend (also a patient of LVPEI) advised him to go to LVPEI.

At LVPEI, Saida underwent a detailed eye examination and was operated upon. Though his vision could not be restored, the surgery stopped the shaking of his pupils (nystagmus). He was referred to the Vision Rehabilitation Centres, where he underwent some more tests. Finally, he was prescribed glasses – 2 pairs, one each for short and long distance. He was also given a telescope that would help him read bus numbers. He now pulls it out of his pocket, proudly saying it's 12 years old and still functional! He received the glasses and telescope free of cost.*

Now 26, Saida has a commendable academic track record, while studying all through in government schools. He lost his father at a very young age, but was encouraged by his mother to continue his studies, despite financial constraints.

After doing a B Com from SKRBR Degree College in Narasaraopeta, Saida took coaching classes and was admitted to the MBA program at Acharya Nagarjuna University Campus College, near Vijayawada. He worked as faculty in the same college while continuing to study for his MBA.

Saida topped the university and was offered a job with ICICI Bank in campus recruitments. For two years he worked as a Team Leader with the HPCL Petro Card Division based in Hyderabad, leading a group of 18 youngsters.

Yet Saida was not content. He decided to take a bank exam for probationary officers, which he got through fairly easily! Excited, he wanted to qualify for the country's leading banks. He attended coaching classes and applied for several bank examinations. Finally, he qualified for the one of his choice – State Bank of India. A thrilled Saida came to share the news with his friends at LVPEI, reeling off all the advantages of the job.

Saida says he has not had any trouble performing his job and shares an excellent rapport with all those he works with. And as he derives satisfaction from his job, he continues to enjoy other things in life – he is a good cook and a singer, performing devotional music in TTD temples regularly.

***(Mr Praveen Gottipalli of USA continues to support the provision of low vision devices to underprivileged patients at LVPEI's Vision Rehabilitation Centres)**

Hope for budding lives

Harish, an 8-year-old boy, had been a playful child before his right eye suddenly started increasing in size. A darling of his parents, Harish was their only hope and support for the future.

Unfortunately, one day a rapid swelling in Harish's right eye was followed by a marked decrease in vision. The anxious parents consulted several local doctors, even traversing to the nearest city. But they were disappointed.

Harish was brought to L V Prasad Eye Institute, Bhubaneswar, by his father in March 2008. With a fungating mass in his right eye, poor vision and pain the child was miserable and was clinging to his father. A detailed comprehensive examination, followed by an examination under anesthesia (EUA: cialized procedure), as well as fine needle aspiration cytology of the regional lymph nodes helped establish the diagnosis of retinoblastoma. (Retinoblastoma is a potentially fatal cancer of the eye).

The little boy was treated with triple drug chemotherapy to save his life and, if possible, the eye too. Two months after chemotherapy was started, Harish is happy and playful again. The treatment has infused a fresh ray of hope into him and all his loved ones.



"We spent so much money for the survival of our prematurely born babies. We thank our eye doctor whose timely intervention helped my babies to see."

Archana, mother of Sai (boy) and Shradha (girl), 40 days old, resident of Rasulgarh village, Bhubaneswar.

Community Eye Health & Outreach

International Centre for Advancement of Rural Eye Care (ICARE)

This year saw the emphasis move to the realization of comprehensive eye care service delivery systems at the district level – Village Vision Complexes – with fully functional primary and secondary eye care linkages through ten Vision Centres linked to one secondary Service Centre. Obviating the need for rural folk to travel to the cities for basic eye care, these complexes take care of a significant proportion of eye conditions and refer only those requiring complex superspecialty eye care to the urban tertiary centres. In addition, the ICARE team traveled across the globe sharing their knowledge and expertise of setting up community eye health systems and helping structure effective national eye care policy. Mobilising communities to take charge of their own eye care needs by donating space and infrastructural support has been a major achievement of ICARE. We believe that this is the only way to sustain high quality eye care services in the long term.



Village Vision – Service Delivery

A. Primary Eye Care – Vision Centres in Andhra Pradesh

11 New Vision centres inaugurated

During the year under review 11 new Vision Centres (VCs) were inaugurated in Adilabad and Prakasam district, bringing the total number of ICARE – LVPEI Vision Centres to 43. Seven of the new VCs were set up in Adilabad and four in Prakasam districts of Andhra Pradesh. Each VC covers a population of 50,000 – 100,000, providing primary eye care in underserved areas.

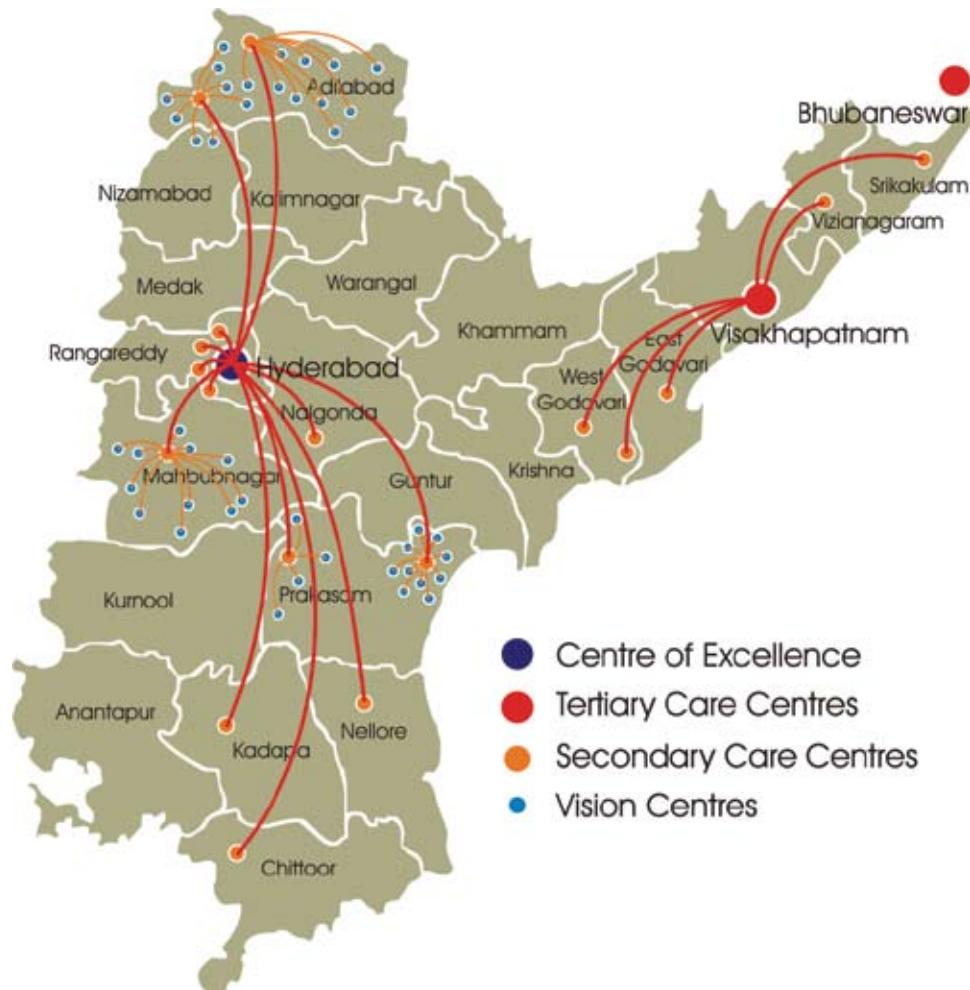
Adilabad: The seven VCs are attached to the Seshanna Chennawar Eye Centre in Adilabad. They are located at Bela, Narnoor, Jainath, Jannaram, Jainoor, Talamadugu and Gudihathnur. The population of these areas has a significant number of tribals, such as Gonds, Kolams and Andhs. All the Vision Centres began screening patients from the first day.

As is wont, the local governing bodies and village chiefs helped mobilize rent-free buildings for the Vision Centres, thus ensuring ownership and sustainability. The capital cost of the seven VCs was borne by the Indian Society of the Church of Jesus Christ of Latter-day Saints, USA, taking the total number of Vision Centres set up with their support to eight. Mr Lawrence Lyerly and Ms Toni Lyerly, humanitarian volunteers and representatives of the Latter-day Saint Charities, USA, attended the inaugurations at Bela and Narnoor. They interacted with the local supporters and appreciated the active participation of the community in this humanitarian work. (*See also page 17*)

Prakasam: In March 2008, four new Vision Centres linked to the Sudhakar and Sreekanth Ravi Eye Centre (SSREC) in Markapuram, Prakasam district, were inaugurated. These are located at Darshi, Kurichedu, Podili and Cumbham. The four Vision Centres are supported by the Lavelle Fund for the Blind, Inc., New York, USA.

Local community members donated space for the facility; donors as well as the local governing bodies representatives attended the inaugurations. A meeting with an NGO, Accredited Social Health Activists (ASHA), was organized to ensure optimum utilization of the Vision Centres by the community.

LVPEI's Network of Vision Centres and Service Centres in Andhra Pradesh



Primary Eye Care – Vision Centres

Performance	Screening	Spectacles Prescribed	Spectacles Sold	Visual impairment	Blindness	Referred to Service Centre
Thoodukurthy						
Wanaparthy	4276	1545	1050	779	476	1590
Achampet	1980	667	335	168	121	539
Nagarkurnool	2836	1054	730	160	422	1015
Kothakota	2145	579	430	104	142	606
Kollapur	1296	459	255	124	7	379
Amangal	901	261	193	58	26	260
Khilla Ghanapuram	723	289	223	12	16	204
Bijnapally	1928	655	626	103	132	614
Telkapally	1275	517	380	61	49	339
Kalwakurthy	852	342	236	47	39	248
Lingala	1036	385	309	59	0	269
Total	19248	6753	4767	1675	1430	6063
Adilabad						
Bhainsa	7468	1800	1766	565	304	1338
Kubeer	2053	536	581	0	28	273
Navipet	1469	546	456	27	29	393
Nandipet	1640	671	477	42	22	234
Echoda	3034	1268	1376	510	182	636
Kallur	1256	534	419	3	2	210
Indravelly	1506	792	920	80	34	255
Tanoor	1619	548	572	0	133	524
Lokeshwaram	1679	734	754	191	98	485
Boath	672	281	247	30	25	160
Utnoor	1790	981	1005	133	101	231
Jainath (June 2007)*	918	347	341	24	10	298
Bela (Nov 2007)*	896	325	240	35	31	267
Narnur (Nov 2007)*	387	202	138	10	36	80
Jannaram (Dec 2007)*	444	172	127	60	32	98
Jainur (Dec 2007)*	444	200	193	39	45	114
Gudihathnoor (Mar 2008)†	12	7	2	4	0	4
Talamadugu (Mar 2008)†	36	20	4	1	0	9
Total	27323	9964	9618	1754	1112	5609
Karamchedu						
Parchuru	2706	932	604	482	61	709
Panguluru	1140	512	313	356	57	287
Ballikuruva	969	516	285	65	60	241
Chinnaganjam	1028	381	174	268	112	259
Yadannapudi	1128	604	423	61	16	64
Martur	1217	481	323	56	14	151
Nagulapallapadu	1282	679	354	546	154	231
Peddanandipadu	3978	1658	1418	521	683	758
Epurupalem	941	480	221	333	76	228
Vetapalem	1619	473	232	573	110	309
Total	16008	6716	4347	3261	1343	3237
Markapuram (Data for 10 days)						
Darshi	137	39	19	18	60	21
Kurichedu	186	90	26	73	5	65
Kambham	164	54	19	28	2	25
Podili	147	30	25	29	4	95
Total	634	213	89	148	71	206
Grand Total	63213	23646	18821	6838	3956	15115

* Data from month of inauguration

Data March 30-31, 2008

B. Secondary Eye Care in Andhra Pradesh

Swarna Bharat Eye Centre, Venkatachalam, Nellore district

LVPEI's sixth satellite centre Swarna Bharat Eye Centre was inaugurated at Venkatachalam, Nellore district, Andhra Pradesh, on July 1, 2007. Dr P C Kesavan Kutty Nair, Chairman, Medical Council of India, was the guest of honour. The centre will provide high quality, affordable and accessible eye care services to a population of 500,000. (Picture on page 16).

Sudhakar and Sreekanth Ravi Eye Centre, Markapur

The Sudhakar and Sreekanth Ravi Eye Centre at Markapur was inaugurated on January 3, 2008. This is LVPEI seventh satellite centre. Chief guest Smt Daggubati Purandeswari, Minister of State for Human Resource Development, Government of India, cut the ribbon. Launching the Sudhakar and Sreekanth Ravi Eye Health Initiative in Prakasam district, Mr Sreekanth Ravi said he was proud to be associated with this initiative in his home district in Andhra Pradesh. He said the Ravi brothers' support for LVPEI had given the family tremendous satisfaction, whether it was for establishing the stem cell laboratory or the outpatient facility at LVPEI, Hyderabad.

LVPEI's stem cell laboratory is named the Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory in honor of the Ravi brothers' earlier contribution. Markapur is LVPEI's seventh satellite centre. Dr Gullapalli N Rao, Chairman, LVPEI, urged the large gathering to make optimal use of the facility and spoke of the Institute's initiatives, taken in collaboration with the district health administration, to identify people with diabetes and diabetic retinopathy. (See also page 20)



Mr Sreekanth Ravi at the inauguration of the Sudhakar and Sreekanth Ravi Eye Centre, Markapur. Also in the picture Smt D Purandeswari

Paramahansa Yogananda Netralaya of Divine Eye Foundation, Rajahmundry

The ninth partner eye facility of LVPEI, Paramahansa Yogananda Netralaya of Divine Eye Foundation, Rajahmundry, was inaugurated on July 6, 2007. The distinguished guests at the inauguration included Dr G N Rao and Dr G V S Murthy, Associate Professor, Department of Preventive Ophthalmology, All India Institute of Medical Sciences, New Delhi.

Anniversaries

- The **Venkata Lakshmi Eye Centre in Karamchedu** celebrated its fifth anniversary on June 7, 2007.
- The **Seshanna Chennawar Eye Centre in Adilabad** celebrated its second anniversary on June 9, 2007.
- LVPEI's second satellite centre, **Sri Kuchukalla Ramachandra Reddy Eye Centre (KRREC) in Toodukurthy** (Mahabubnagar district, Andhra Pradesh), celebrated its ninth anniversary on October 24, 2007. Since its establishment on October 24, 1998, the centre has screened 1,00,000 outpatients and performed over 13,000 surgeries. It has a full complement of 10 Vision Centres attached to it, thus providing quality eye care to a catchment population of approximately 500,000 – 1 million people.
- The 11th anniversary of **Bhosle Gopal Rao Patel Eye Centre, Mudhol**, an LVPEI satellite, was celebrated on December 20, 2007.

Secondary eye care – Satellite and Partner Centres

Rural satellite & partner centres	Paying		Non-paying	
	Outpatients	Surgeries	Outpatients	Surgeries
Bhosle Gopal Rao Patel Eye Centre Mudhol, Adilabad District	11,812	1,206	6,010	1,290
Kuchukulla Ramachandra Reddy Eye Centre Thoodukurthy, Mahabubnagar District	5,917	357	3,912	1,065
Seshanna Chennawar Eye Centre National Highway Road, Adilabad	7,571	413	5,346	993
Siloam Eye Centre Madanapalli, Chittoor District	8,791	385	1,495	425
Venkata Lakshmi Eye Centre Karamchedu, Prakasam District	4,322	289	4,328	869
Swarna Bharat Eye Centre Venkatachalam, Nellore (July 2007)*	820	8	1,679	103
Sudhakar & Sreekanth Ravi Eye Centre Markapuram, Prakasam District (Jan 3, 2008)*	1,434	21	1,413	88
Mullapudi Venkatarayudu Eye Centre Tanuku, West Godavari District	11,147	801	2,030	385
Smt. Rajeshwari Ramakrishnan Lions Eye Hospital, Nidadavole, West Godavari District	12,252	752	14,202	3,221
St. Gregorius Balagram Eye Hospital Yacharam, Ranga Reddy District	4,511	193	2,116	821
Lions Club of Suryapet Eye Hospital Suryapet, Nalgonda District	5,066	394	13,314	931
The Rotary Eye Hospital Proddatur, Kadapa District	8,807	630	6,260	1,539
Paramahansa Yogananda Netralaya Vemagiri, Rajahmundry (July 2007)*	5,020	296	2,793	355
Hyderabad Urban Partner Centres				
M S Reddy Lions Eye Hospital Moula Ali	8,749	358	5,938	1,303
Kishore Chand Chordia Eye Centre Begum Bazaar	4,241	143	10,049	828
Balanagar Lions Eye Hospital Balanagar	11,890	170	2,959	879
LVP-VST Vision Screening Centre Ramnagar	–	–	6,330	91
Grand Total	1,12,350	6,416	90,174	15,186

Total Outpatients: 2,02,524

Total Surgeries: 21,602

* Data from month of inauguration

Hyderabad Outreach Urban Slums Eye-care (HOUSE) Program

Surveys

Slums/Villages surveyed	6
Population covered through door to door survey	18,733
People identified with eye ailments and referred for eye examination	2,056

Community Screening Programs

CSPs organized	30
People screened	8,852
Treated at venue	813
Prescribed spectacles	3,633
Referred to base hospital	2,386
Within normal limits	2,020

Referral Services at LVPEI-VST Screening Centre

People treated at Vision Centres	5,068
Prescribed spectacles	2,453
Treated for other conditions	589
Cataract & other surgeries	86
Referred to secondary and tertiary care facilities	1,281
Within normal limits	659

LVPEI & Lakshmi Charitable Clinic Community Eye Care Program, Narsingi Village, Ranga Reddy district

People screened	554
Prescribed spectacles	12
Treated at venue	115
Cataract	79
Referred to base hospital	146
Within normal limits	202

Kismatpur Vision Screening Centre, Kismatpur, Hyderabad

People screened	1,358
Prescribed spectacles	540
Referred to base hospital	319
Others/Within normal limits	499



Teachers being trained to perform vision screening for schoolchildren



Enrolment of children for vision screening

C. Community Eye Care

	Satellites	Partners	Total
1. Surveys			
Villages/slums surveyed	578	21	599
Population surveyed	2,16,623	14,395	2,31,018
People identified with eye ailments and referred	29,223	1,123	30,346
2. Community Screening Programs			
CSPs Organized	224	59	283
People screened	14,581	5,894	20,475
Treated at venue	1,431	844	2,275
Prescribed Spectacles	7,124	1,388	8,512
Referred to base hospital	5,920	934	6,854
3. Service offered at base hospital			
People treated	14,390	1,206	15,596
Prescribed spectacles	2,481	204	2,685
Treated for other conditions	7,673	92	7,765
Cataract & other surgeries	2,071	962	3,033
Diagnosed as irreversibly visually impaired/blind	13	Nil	13

Providing Eye care through Empowered People (PEEP) program

The Providing Eye Care through Empowered People (PEEP) project is a self-financed eye care model, working through existing community based organizations and institutions. Anyone can register by paying a nominal fee of Re. 1 per month. Local self help groups (SHG) and LVPEI's community volunteers, Vision Guardians, administer the scheme. The project is being implemented in four mandals around LVPEI's first satellite facility, Bhosle Gopal Rao Patel Eye Centre, Mudhol in Adilabad district, with support from ORBIS International (India country office) and technical input by Andhra Pradesh Mahila Abhivruddhi Society, Hyderabad, along with our partner in Sargur, Swami Vivekananda Youth Movement. The service cost recovery for the project has been 91% through payment by the community members.

	April 2007 to March 2008	Cumulative*
People registered	5964	34327
Households registered	1474	8214
Outpatients treated at Service Centres	1330	3422
Surgeries at Service Centres	310	709
Patients visited Vision Centres	602	2304
People renewed for 2nd year	3735	8492
Households renewed for 2nd year	853	1963
People renewed for 2nd and 3rd years	4450	5827
Households renewed for 2nd and 3rd years	990	1325
Vision guardians trained	22	97
SHG members trained	946	1065
Teachers trained	50	153

* Project launched October 14, 2004

GHMC Aasara – LVPEI Senior Citizens Eye Care program

The objective of the joint Greater Hyderabad Municipal Corporation (GHMC) Aasara and LVPEI's Senior Citizens Eye Care program is to provide treatment and rehabilitation services to needy senior citizens suffering from cataract and other eye ailments. The program covers all the circles of GHMC in association with the Senior Citizens Association. The first phase of the program started on February 1, 2008, covering eight major eye care service centres in Greater Hyderabad. They would have access to spectacles, cataract surgeries and treatment for other ailments free of cost. From February to March 2008, LVPEI conducted six community screening programs (CSPs) in which 1119 people were screened. A total of 446 spectacles were dispensed free and 111 persons were referred to the base hospital for further treatment, including cataract surgeries.

An Aasara meeting in progress





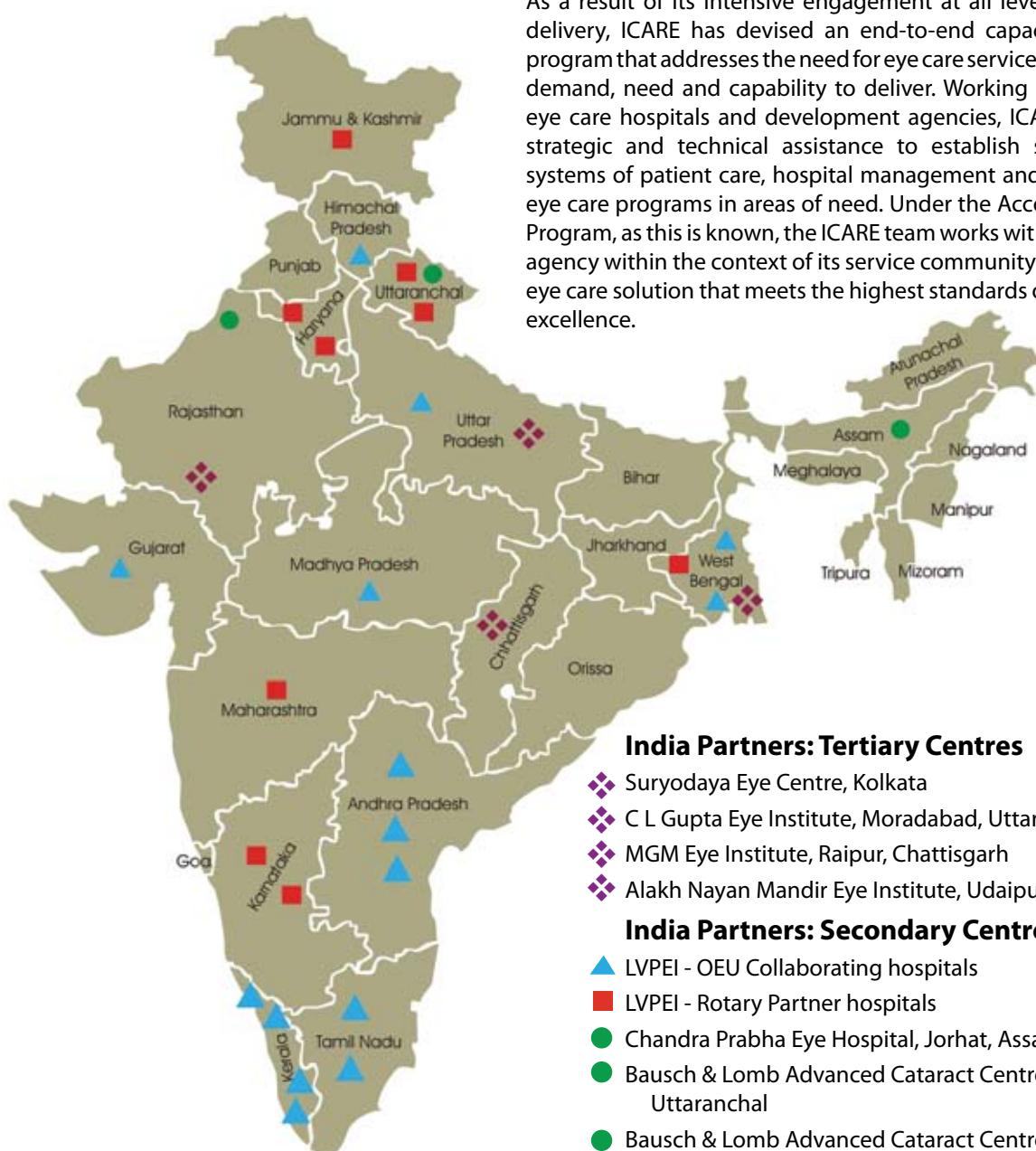
Dr Gullapalli N Rao, Chairman, LVPEI group, and Mr G S Sundararajan, MD & CEO, FICCL, signing the MoU

Fullerton India & LVPEI 'Save the Eye'

On September 13, 2007, Fullerton India Credit Company Limited (FICCL) signed an MoU with L V Prasad Eye Institute to conduct community eye screening programs in underserved areas. Mr G S Sundararajan, Managing Director & CEO, FICCL, and Dr Gullapalli N Rao, Chairman, LVPEI group, signed the agreement.

Under this 'Save the Eye' initiative Community Eye Screening Programs were conducted in 12 major towns and cities in Andhra Pradesh, with support from LVPEI's tertiary and secondary level eye facilities, affiliates, partners and alumni members' facilities. A total of 6200 people were screened. The program also dispensed free spectacles for 2700 people and referred 2028 for further management. Of these 701 were operated upon for cataract.

D. National Collaborating Centres: Accompaniment Program



a. Rotary Hospitals Project

In the year 2005 the Rotarians resolved to do 100,000 more cataract surgeries, over and above what they were doing. They also wanted all their hospitals to set up uniform protocols for performing cataract surgery (pre-operative evaluation, sterilization, management of complications and follow-up) and monitoring and reporting of outcomes. Towards this objective ICARE – LVPEI conducted a series of Rotary Project Workshops in 2005, in which 80 Rotary Hospitals from all over the country participated.

After the last workshop in June 2005, all the Rotary Hospitals continued to send back reports of cataract surgeries to LVPEI. This is a joint project of Rotary and Operation Eyesight Universal (OEU); they reimburse the costs of surgery once the outcome report is verified.

Since the inception of the project, 54528 surgeries have been performed, of which 22,756 were done in 2007-2008. A team from OEU and LVPEI has visited hospitals for quality control checks and evaluation. As the project had extended beyond the stipulated time of 2 years, a new MoU was signed.

After the project is over, a complete capacity building project will be taken up for 10 Rotary hospitals.

b. Operation Eyesight Universal

L V Prasad Eye Institute is a global resource centre for Operational Eyesight Universal, Canada, and is working closely with their partners across India in developing excellent equitable and efficient eye care systems. During the year regular developmental visits to partner hospitals were undertaken by clinical and non-clinical teams, to ensure follow-up on earlier recommendations.

- A one-day operation room technicians workshop on various aspects of operating room care was held on April 15, 2007; 21 technicians and assistants from the partners centres participated in the program.
- A six-week eye care managers training program was conducted from May 15 to June 23, 2007, in which 11 eye care managers participated.
- 13 students underwent training for one year in the vision technician's program from 7 partners centres.
- Two ophthalmologists went for training – one for short-term and another for long-term.

Performance statistics

- Total outpatients: 638,746
- Total surgeries: 51,740
- 65% of the partners achieved better than 70% cost recovery for their operational expenditure



Participants of the six-week eye care managers training program



Perspective view of C L Gupta Eye Institute at Moradabad

c. C L Gupta Eye Institute

A foundation stone has been laid for construction of LVPEI's partner tertiary eye care facility – C L Gupta Eye Institute at Moradabad, Uttar Pradesh. The first phase of training of personnel is under progress. The construction work and staff training is expected to be completed by the end of 2008.

d. Alakh Nayan Mandir Eye Institute

L V Prasad had signed a Memorandum of Understanding with Alakh Nayan Mandir Trust, Udaipur, Rajasthan, for capacity building to develop a modern tertiary eye care facility. Construction will commence in mid 2008 and is expected to be completed by the end of 2009.

E. Research and Special Projects

1. CHILD-to-Child and CHILD-to-Family communication

The CHILD to Child and CHILD to Family communication study focuses on the effectiveness of utilizing children for communicating eye health and eye care messages to other children and their families to favorably influence their attitudes and practices relating to eye health care. This study is being conducted under the aegis of the **Vision Cooperative Research Centre (Vision CRC) of Australia**. The duration of the project is June 2006 to October 2008.

The main study was conducted in four rural areas, which equally represent the geographical distribution of the state of Andhra Pradesh. Schoolchildren of grades 6–8 from 13 schools in rural Andhra Pradesh were given orientation to eye health care with the help of trained teachers. The children were asked to perform a basic vision test on their family members, neighbours and peers using a Snellen 6/12 opto-type 'E' chart and also

to convey eye health messages. They were instructed to refer those suspected of having eye problems to the nearest Vision Centres.

Within a week, 1087 children screened 12,956 people. Of these, 2,213 (17%) suspected of having vision problems were referred to the nearby Vision Centre. After five months, 867 (39%) referred people visited the Vision Centres for further eye examination. Pre and post training evaluation showed an increase in basic knowledge about parts of the eye, signs and symptoms of eye diseases, and awareness of eye ailments due to nutritional deficiency among the children, parents and peer group members.

The study shows that children can understand and communicate eye health messages clearly and function as collaborators in health promotion and educational activities at the community level.

2. Impact assessment study

The 'Impact of correction of refractive errors among children aged 10 to 15 years on activity-based performance and other vision-based functions in the state of Andhra Pradesh' research study taken up by ICARE – LVPEI aims to provide information on the impact of refractive error correction on the life of schoolchildren and use of spectacles within the existing system.

The exercise aims to assess the benefits in terms of improved ability to perform routine activities, which in turn affects their quality of life positively. It also studies the percentage of compliance when advised spectacles and the barriers in procuring them. This study is being conducted under the aegis of the **Vision Cooperative Research Centre (Vision CRC) of Australia**.

Subjects for the study were recruited from 31 schools from four locations in Andhra Pradesh – Hyderabad, Mudhol, Thoodukurthy and Karamchedu, where LVPEI's secondary and primary eye care centres are situated. A total of 5438 children were screened by trained teachers, of which 990 were identified with eye ailments and treated.

Of these 310 subjects were recruited for the study and baseline data collection was completed by interviewing 310 subjects, 310 parents of the subjects, 310 teachers and 930 peers.

3. Sight First – 1141: Lions – LVPEI capacity development project for diabetic eye disease

Blindness due to diabetes is a major eye health concern as almost two-thirds of patients with diabetes have a high potential for vision loss. To address the problem of diabetic retinopathy in the state of Andhra Pradesh, L V Prasad Eye Institute has undertaken a 3-year capacity building program for 18 eye hospitals, with support from **Lions Club International**. The project was launched in August 2005.

The main objectives of Sight First – 1141 project are to generate awareness about eye diseases associated with diabetes, provide comprehensive treatment for persons with diabetic retinopathy, build the capacity of partner hospitals through training of personnel at various levels, and set up a dedicated training infrastructure at LVPEI.

Project update	2007 – 2008	Cumulative 2005 - 2008
Screening programs	224	457
Diabetic patients screened (hospital & outreach)	7410	28379
Patients identified with diabetic retinopathy	3432	22299
Patients treated	455	7158
Patients referred for treatment	728	1956
Training programs		
Short term fellows trained		9
Long term fellows trained		1
Mid-level ophthalmic assistants trained		15
Community workers trained		14
Guest lectures	4	11



Schoolchildren participate in a rally on World Diabetes Day on November 14, 2007

4. Diabetes Prevention Program in Prakasam district (World Diabetes Foundation – LVPEI program)

The Diabetes Prevention Program in Prakasam district was launched in May 2006 and is supported by the World Diabetes Foundation. The program's duration is from April 2006 – March 2011. It aims to promote health education on diabetes using the child-to-family communication strategy, diabetes being a major factor in many retinal eye diseases. During the year training programs were organized for 55,404 schoolchildren (cumulative*: 72,199) and 4642 teachers (cumulative: 5616) in 223 schools (cumulative: 507) of 149 villages (cumulative: 340) in 26 mandals (cumulative: 32) of Prakasam district, Andhra Pradesh. Training programs have been conducted for 68 primary health centres

(PHC) doctors (cumulative: 74), 90 NGOs (cumulative: 104) and 15,209 self help group representatives (SHGs) (cumulative: 21,038); 768 training programs have been conducted for SHGs.

The trained children created awareness about diabetes, screening 255,645 families (cumulative: 325,350) and 1,168,341 persons (cumulative: 1,447,704) till March 2008. A total of 44,580 high risk persons identified (cumulative: 68,186) were screened for blood and urine sugar; of these 2428 (cumulative: 4011) were suspected to have diabetes.

(*Cumulative data since the launch of the project)

5. Sight for Kids (Lions Clubs International Foundation – Johnson & Johnson – LVPEI program)

LVPEI is committed to provide eye care through appropriate systems of vision care, addressing the needs of all sections of society. In this mission, early detection of eye ailments among children through a structured approach to address childhood blindness has been undertaken through the Sight for Kids project, with the support of the Lions Clubs International Foundation (LCIF) and Johnson & Johnson. LVPEI's role is of designer, coordinator and implementer. The objectives of the project are:

- identify children with vision defects and ocular ailments;
- refer them for appropriate treatment;
- train schoolteachers to identify children with eye ailments and refer them for appropriate care;
- empower teachers to create awareness of eye health issues; and
- implement sustainable eye health program in schools.

The Sight for Kids project has completed its third phase. In these three years, LVPEI has trained ophthalmic assistants and trainers of schoolteachers for 8 partner eye facilities in Greater Hyderabad. During the year under review, ICARE conducted school screening programs in 109 schools, in which 7631 children were screened by trained teachers. They referred 150 children for detailed eye examination and treatment, while 83 children were given spectacles and others treated at the based hospital.

Cumulatively, in all the three phases, LVPEI has trained 549 teachers of 505 schools; 42,827 children have been screened by the trained teachers. Of these, 724 were identified with eye problems and 490 referred for further screening. A total of 219 children were given free spectacles and 224 treated for other eye conditions. Posters on eye health awareness, screening kit and teacher's screening manual were distributed to all the schools covered under the project.



Eye check-up for schoolchildren

6. Nimmagadda Prasad – LVPEI Children's Eye Health Initiative

Childhood blindness is the second largest cause of blindness in the developing world, followed by cataract, with India estimated to have five times more vision impaired children as compared to developed nations. Andhra Pradesh is estimated to have 10,000 – 50,000 blind children, while 30,000 – 150,000 more have low vision. Around 5% of the children between 10 – 15 years have significant vision problems, requiring spectacles.

Over one-third of these cases of vision impairment can be avoided, either through appropriate prevention or treatment. In order to address childhood blindness in Andhra Pradesh, a major initiative was launched last year with support from the Nimmagadda Foundation. The Nimmagadda – LVPEI Children's Eye Health Initiative was launched on July 7, 2007, at Visakhapatnam in the presence of Mr Nimmagadda Prasad, founder of Nimmagadda Foundation.

The Nimmagadda Foundation offered support in the following areas during the year:

- Support for 1000 surgeries for non-paying children at an advanced tertiary centre, L V Prasad Eye Institute, Hyderabad
- Development of Nimmagadda Prasad Children's Eye Care Centre at LVPEI, Visakhapatnam
- Support for screening and treatment of all non paying children at LVPEI, Visakhapatnam

- Support for screening of all children at all LVPEI rural centres and for screening programs conducted by the rural centres

The program will create awareness among various stakeholders about the importance of children's eye health.



Mr N Prasad launching the Nimmagadda – LVPEI Children's Eye Health Initiative

7. ORBIS – LVPEI Pediatric Ophthalmology Learning and Training Centre

Some of the major hurdles in the elimination of avoidable childhood blindness are shortage of skilled human resources to address pediatric eye diseases, inadequate infrastructure and lack of good anesthesia and para ophthalmic support. To address these concerns in India and south-east Asia ORBIS has set up two Pediatric Ophthalmology Learning and Training Centres (POLTC) at Sankara Netralaya and Aravind Eye Hospitals. The third POLTC was set up at L V Prasad Eye Institute, Hyderabad, in October 2006.

Objectives of the 3 ½ year POLTC program

- Train 5 pediatric eye care teams for ORBIS India partners. Each team of 6 personnel (ophthalmologist, anesthetist, optometrist, nurse, counselor, and an outreach coordinator) will empower one institution in pediatric ophthalmology.
- Examine 25,000 children and provide treatment to 2500 children
- Enhance capacity of the 2 ORBIS supported partners in pediatric ophthalmology
- Provide 450 free spectacles to children
- Perform eye surgeries on 975 children
- Provide support in skill development for the pediatric ophthalmology faculty of LVPEI
- Offer research and participation opportunities at national & international conferences and workshops

Performance

- Over 45,472 children were examined, 4256 children treated and 4887 surgeries performed from April 2007 to March 2008. The target for three years was achieved in the first three quarters of the year 2007.
- Training of the first batch completed by March 2008.
- The training of two long-term ophthalmologists from two more organizations identified by ORBIS is in progress, followed by an optometrist's training.
- 21 school screening programs were conducted under this project.
- A pediatric Hospital Based Program was conducted in December 2007.



Trainee ophthalmologists and faculty with Dr J Bronwyn Bateman, Director, Rocky Mountain Lions Eye Institute, Denver, USA

8. Seeing is Believing

In early 2007, Seeing is Believing program of **Standard Chartered Bank, UK**, to help eye care organizations in India has selected LVPEI. A total of 40 Vision Centres will be set up during 2008 – 2011, 10 each with Venu Eye Institute, Aravind Eye Care System, Sadguru Netra Chikitsalaya and LVPEI. Subsequently, a meeting was held from December 10-12, 2007, at LVPEI. The participants included Mr Gerald Yeo, Director, Temasek Foundation; Mr Sumeet Singla and Ms Pratima Harite, Standard Chartered Bank, India; Dr Abhay Sinha, Venu Eye Institute, New Delhi; Mr Vijay Kumar, Lions Aravind Eye Care System, Chennai; Mr Subramanyam, Sadguru Netra Chikitsalaya, Chitrakoot; and the faculty of ICARE and LVPEI.

The activities of the pyramidal model and the rural network of eye health activities of LVPEI were explained to the group. A field trip to Mahabubnagar district was organized to show them the Vision Centres and their linkages with the Service Centre. Subsequently, a meeting was held to discuss the practical issues of scaling up the Vision Centre model.

The overall goals for the Seeing is Believing project include establishing mutual understanding and partnership between NGOs and NGOs and between NGOs and Standard Chartered Bank and setting up clear goals and methods for the partnerships. The group will meet in May 2008 to take the process of building partnerships further.

F. News & Events

World Sight Day at satellite centres

- World Sight Day was commemorated on October 11, 2007, at three LVPEI satellite centres, with awareness programs, rallies and public meetings, attended by local doctors, NGOs, village leaders and others.
- The Bhosle Gopal Rao Patel Eye Centre, Mudhol, Adilabad district, organized a screening camp and public meeting at Bhainsa, in which the municipal chairman and commissioner of Bhainsa town, market committee chairman and wakf board chairman Dr Damodar Reddy, and office-bearers of the local Lions Club participated.
- The Seshanna Chennawar Eye Centre, Adilabad, organized an awareness rally with the support of Urban Program for Advancement of Household Income (UPADHI) Labs program of Dr Reddy's Foundation, in which 300 students participated. An eye screening camp was conducted in UPADHI Labs.
- Local village leaders of Kalwakolly village attended the awareness program and screening camp at Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy.

World Diabetes Day program

World Diabetes Day was commemorated on November 14, 2007, at Ongole in collaboration with the Prakasam district administration, Government of Andhra Pradesh. A public rally was flagged off by Joint Collector Mr Dinakar Babu, along with other district government health and education officials. Over 1000 people including schoolchildren, self-help group members, NGOs and nursing students participated in the rally, along with the LVPEI team.

Later a public seminar was held, where Dr Nalluri Raghava Rao, former state president, Indian Medical Association, delivered a special address. Other dignitaries present included senior government officials, ophthalmic surgeons, officers of the District Blindness Control Society, and Mr Srinivas, local representative of the Ravi Sreekanth Foundation. Dr Seetharamaiah, diabetologist, spoke on diabetes, followed by a talk by Ms Sunitha Sapur from Akshaya Foundation. Dr Ajit B Majji, Retina Vitreous Services, LVPEI, also spoke on diabetic retinopathy. Essay writing, elocution and poster competitions were organized, in which 110 schoolchildren from 25 schools participated; the winners were given prizes and certificates. A cultural unit from Assist India performed a song and skit to raise awareness.



From left: Dr Ajit B Majji, Ms Sheela Devi, with government officials, flagging off the rally

World Diabetes Day programs at satellite centres: The Bhosle Gopal Rao Patel Eye Centre, Mudhol, Adilabad district, organized a program in Kuntala village, with an awareness meeting. At a screening program 246 people were examined, of which 80 were identified with cataract and 120 with refractive errors. Of the 116 people examined for diabetes 21 were identified with the disease. The Kuchukulla Ramachandra Reddy Eye Centre, Toodukurthy, Prakasam district, organized an awareness program and rally in Nagarkurnool mandal, which was attended by 400 schoolchildren and teachers from 7 schools. An awareness program was conducted at Swarna Bharat Eye Centre, Nellore, which was attended by patients from the Primary Health Centre, dental hospital, diagnostics centre and schoolchildren from bridge schools in the Swarna Bharat Trust. The Seshanna Chennawar Eye Centre, Adilabad, also held an awareness program and rally in Jainur village.

Vision and diabetes screening: Earlier, teams from LVPEI conducted an enumeration and vision-screening program from November 1-10, 2007, in Madanoor village in collaboration with the Indian Medical Association, Ongole. Vision screening was done for 3800 persons, all above the age of 5, and urine and blood sugar estimation was done for those above 40 years. On November 11, 2007, a mega medical screening program was organized at Madanoor village, where 300 people were given referrals and free medicines were distributed. A press meet was held on November 12, 2007; local newspapers and TV channels covered the event, with a one-hour exclusive telecast.

Blindness prevention plan for Rwanda

LVPEI-ICARE participated in a review meeting to develop a 5-year National Strategic Plan for Prevention of Blindness in Rwanda. This meeting was held in Kigali, Rwanda, March 10–12, 2008.

Partner meet

The fifth LVPEI Satellite and Partner centres meet was conducted on 22nd December 2007. Over 50 delegates attended the meeting. The participants discussed various issues pertaining to each centre, including human resource management, output, outcomes, quality, sustainability and future directions.

Participation in fairs

- ICARE participated in the 'Abilities Mela 2007' exhibition held in Hyderabad, August 25-26, 2007. Eye health material, posters and other information material were exhibited and distributed at the fair.
- ICARE participated in 'Yuvachaitanyam 2007' on July 8, 2007, setting up an eye health and diabetes exhibition stall. The program was organized by LEPRA Society at Osmania University, Hyderabad. There were around 2000 visitors; over 250 people were screened for vision and diabetes.

G. Community Eye Health Journal

Four issues (Serial nos 14 – 17) of the Community Eye Health Journal – Indian supplement, published under the aegis of the VISION 2020 Indian Forum, were distributed to 4,755 readers all over the country and to neighboring countries, including Pakistan, Nepal, Zambia and Bangladesh and the Sultanate of Oman.



Education Centre

The expansion of our tertiary level infrastructure to two more campuses has also meant an increase in the opportunities available for education in these two additional centers. LVPEI's emphasis on the creation of a broad-based human resource base for eye care service delivery at all levels translates into training programs for nursing assistants, technicians, community eye health workers, and all other cadres that will make service delivery complete and sustainable.

Education Centre



Trainees continue to come from across India and other parts of the world to L V Prasad's Education Centre for a variety of training needs ranging from specialised surgical techniques to ophthalmic nursing assistance. With the addition of the real-time videoconferencing facility, made possible by the generous support of Mr Vikram Thapar, nephew of the late Mr Karamchand Thapar, we are now able to link all our tertiary centre campuses to training events, thus extending the reach of instructional programs. Videoconferencing is now also possible with universities in Australia and USA thus bringing to LVPEI expert lectures/opinions. This year we had participants from Afghanistan, Argentina, Australia, Baku, Bangladesh, Brunei, China, Germany, Indonesia, Israel, Italy, Kenya, Nepal, Nigeria, Pakistan, Rwanda, Singapore, South Africa, Sri Lanka, Uganda, United Kingdom, United States of America and Vietnam.



Ophthalmology Training Programs

Cornea & Anterior Segment

15 months

Dr Alfredo Roude	Buenos Aires, Argentina
Dr Nitesh Narayan	Hyderabad, Andhra Pradesh
Dr Shweta Karandikar	Nagpur, Maharashtra
Dr Deepender Chauhan	New Delhi
Dr Vishal Shah	Pune, Maharashtra
Dr Bindiya Singhania	Mumbai, Maharashtra

3 months

Dr Fahima Nahid	Dhaka, Bangladesh
Dr Kyati Vivek Shah	Baroda, Gujarat
Dr Sanjay S Vodela	Hyderabad, Andhra Pradesh
Dr Amiruzzaman	Dhaka, Bangladesh
Dr John Nkurikiye	Kigali, Rwanda

Glaucoma

15 months

Dr Rajat Maheshwari	Muzaffarnagar, Uttar Pradesh
Dr Nyugen Tran Quoc Hoang	Ho Chi Minh City, Vietnam
Dr Syed Mujeeb Iqbal	Hyderabad, Andhra Pradesh

3 months

Dr Himabindu Nair	Hyderabad, Andhra Pradesh
Dr Lin Yunxia	Shenyang, China
Dr Hafizur Rahman	Dhaka, Bangladesh
Dr Michael Gyasi	Azerbaijan, Baku

Retina Vitreous

15 months

Dr Anina Abraham	Hyderabad, Andhra Pradesh
Dr Ritesh Narula	New Delhi
Dr Sujit Gharai	24 Parganas, West Bengal
Dr Anshuman Sinha	Dhanbad, Jharkhand
Dr Nandakishore Tibra	Bikaner, Rajasthan

3 months

Dr Seema Jaiswal	Hyderabad, Andhra Pradesh
Dr Neeraja Praveen	Warangal, Andhra Pradesh
Dr Tapas Ranjan Padhi	Bhubaneswar, Orissa
Dr Jayashree Pradhan	Bhilai, Chattisgarh
Dr Quanhong Han	Tianjin, China

Comprehensive Ophthalmology

36 months

Dr Shiwali Ganeshpuri	Nagpur, Maharashtra
Dr Sweety Tiple	Chandrapur, Maharashtra
Dr Tatagatho Das	Kolkata, West Bengal

3 months

Dr Md Shafi Suraga	Ethiopia, South Africa
Dr R S Sreejith	Port Blair, Andaman & Nicobar

Pediatric Ophthalmology

15 months

Dr Sunayana Hedge	Mangalore, Karnataka
Dr Rasheena Bansal	New Delhi
Dr Mitali Shah	Sangli, Maharashtra

3 months

Dr V Rajasekhar	New Delhi
Dr Utpal M Jani	Ahmedabad, Gujarat
Dr Murtaza Farrahmand	Kabul, Afghanistan
Dr Uyen Duyen	Ho Chi Minh City, Vietnam

Ophthalmic Plastic Surgery, Orbit & Ocular Oncology

15 months

Dr Fasina Oluyemi	Ibadan, Nigeria
Dr Savari Desai	Mumbai, Maharashtra

3 months

Dr Anuj Mehta	New Delhi
Dr Tajamul Khan	Peshawar, Pakistan

Manual Small Incision Cataract Surgery (2 months)

Dr TKR Manjula	Hyderabad, Andhra Pradesh
Dr Neelima Shah	Ahmedabad, Gujarat
Dr R Saritha	Hyderabad, Andhra Pradesh
Dr Snehal V Ghatwai	Nashik, Maharashtra
Dr Saleena S Naik	Goa
Dr Niyamat Ali	Bhagalkot, Karnataka
Dr Ravi Kumar	Nagol, Andhra Pradesh
Dr Shweta Bhide	Nashik, Maharashtra

Dr D Panigrahy	Khurda, Orissa
Dr Namita Dave	Bhilai, Chattisgarh
Dr R Radhika	Hyderabad, Andhra Pradesh
Dr R Mamata Subhakar	Chennai, Tamilnadu
Dr Preeti Barta	Ajmer, Rajasthan
Dr Mradula Yadav	Hyderabad, Andhra Pradesh
Dr Chandan Pandit	Mumbai, Maharashtra
Dr Raka Chatterjee	Kolkata, West Bengal

Phacoemulsification (1 month)

Dr Jatinder S Bhalla	New Delhi
Prof Mwaka Amosi	Kampala, Uganda
Dr Riad A Awaida	Jerusalem, Israel
Dr IS Murthy	Suryapet, Andhra Pradesh
Dr Anupama Anchala	Detroit, USA
Dr Kalliopi Stasi	University of Rochester, USA
Dr Sydney Chang	University of Rochester, USA

Dr Shobana Dube	Lucknow, Uttar Pradesh
Dr D P Ray	Malda, West Bengal
Dr P Rohini	Hyderabad, Andhra Pradesh
Dr Garima Agrawal	Ahmedabad, Gujarat
Dr Vinay Babu Guttu	Case Western University, USA
Dr Sulochana	Karamchedu, Andhra Pradesh
Dr P Padmaja	Hyderabad, Andhra Pradesh

Retina Laser (1 month)

Dr Pranav H Kodial	Thane, Maharashtra
Dr Gianfrancesco M Villani	Rome, Italy
Dr Sharina Nanda	Jalandhar, Punjab
Dr Shivaram Nadkarni	Mumbai, Maharashtra
Dr Anurag Banka	Madhapur, Rajasthan
Dr Shoba Naveen	Madanapalli, Andhra Pradesh
Dr Hemant S Sankpal	Mumbai, Maharashtra
Dr Sajid Adhi	Negara Darrussalam, Brunei

Retina of Prematurity (1 month)

Dr Praveen Saluja	Bilaspur, Chattisgarh	Dr Prakrati Manohar	Hyderabad, Andhra Pradesh
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LVP - ZEISS Basic Course In Ophthalmic Diagnostics (1 month)

Dr Kishore Patowary	Guwahati, Assam	Dr Sudhanshu A Banka	Guwahati, Assam
Dr Amit Anand	Guwahati, Assam	Dr Anjum Medhi	Guwahati, Assam
Dr Manav Khera	Guwahati, Assam	Dr Jayanta Thakuria	Guwahati, Assam
Dr Parul Panwar	Meerut, Uttar Pradesh	Dr Rakhi Kusmeh	Meerut, Uttar Pradesh
Dr Bankey Lal	Meerut, Uttar Pradesh	Dr Shrawan Yadav	Meerut, Uttar Pradesh
Dr Sumanth Reddy	Kolar, Karnataka	Dr Praveen Kumar Sadanand	Hubli, Karnataka
Dr Khandakar Fariduddin	Guwahati, Assam	Dr Ashraful Alam	Guwahati, Assam
Dr Zakir Hussain Laskar	Guwahati, Assam	Dr Rahul Ratnam	Meerut, Uttar Pradesh
Dr Shyam Kumar Gupta	Meerut, Uttar Pradesh	Dr Maneesh Dhupper	Dehradun, Uttar Pradesh
Dr Bijay Kumar Pattnaik	Cuttack, Orissa	Dr Furquaan Isa	Chicago, USA
Dr M Malleswari	Guntur, Andhra Pradesh	Dr Mugdha Ranade	Mumbai, Maharashtra
Dr Abhishek Kumar	Narketpally, Andhra Pradesh	Dr Shaista Parveen	Hyderabad, Andhra Pradesh
Dr Saumendra Nath Ghose	Kolkata, West Bengal	Dr Snehasis Dixit	Bhubaneswar, Orissa
Dr Vuppula Devender	Hanamkonda, Andhra Pradesh	Dr Ningthaonjam Linghoigambi	Guwahati, Assam
Dr Tanya Maitra	Guwahati, Assam	Dr K M Riva Das	Guwahati, Assam
Dr Sabita Devi	Berhampur, Orissa	Dr Balakrushna Samantray	Berhampur, Orissa
Dr V Padmavathi	Warangal, Andhra Pradesh	Dr Shruti U Narsapur	Tumkur, Karnataka
Dr Saurabh Agarwal	Meerut, Uttar Pradesh	Dr Chitralekha De	Guwahati, Assam
Dr Nilakshi Baruah	Guwahati, Assam	Dr Sandeep Patil	Sambalpur, Orissa
Dr Hardik Parikh	Davangere, Karnataka	Dr Vishal Kakhandki	Belgaum, Karnataka
Dr H Maruthi	Sambalpur, Orissa	Dr Sujani Timardas	Khammam, Andhra Pradesh
Dr Tanuja Abhilash	Kolar, Karnataka	Dr Samatha Gurram	Karimnagar, Andhra Pradesh
Dr Roopleen	Dehradun, Chattisgarh	Dr I P Singh	Dehradun, Chattisgarh
Dr Gayatri Baruah	Guwahati, Assam	Dr Valensha Surong	Guwahati, Assam
Dr Manas Ranjan Panda	Berhampur, Orissa	Dr P Smruthi Rekha	Berhampur, Orissa
Dr Amit Jain	Narketpally, Andhra Pradesh	Dr N Karthika	Narketpally, Andhra Pradesh
Dr S Avinash	Davangere, Karnataka	Dr Anil K S	Davangere, Karnataka
Dr Surabhi Arora	New Delhi	Dr Kunal Jain	Swami Ram Nagar, Dehradun
Dr Lipi Chakrabarty	Bhilai, Chhattisgarh	Dr Chaitra N Gowda	Davangere, Karnataka
Dr Girish Reddy	Davangere, Karnataka	Dr Manjunath H R	Davangere, Karnataka

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

Manisha Ghai	Sydney, Australia
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Preceptorship

Ms Duna Forster	University of New South Wales, Australia
Mr Daniel Dnyaneshwar	University of New South Wales, Australia
Ms Lisa Ly	University of New South Wales, Australia
Mr Karthik Selvakumar	University of New South Wales, Australia

Observership

Dr Kalpana Rathore	Neemuch, Madhya Pradesh	Cornea
Dr Jagan Mohan	East Godavari, Andhra Pradesh	Cornea
Dr V Vinod	Columbia University, USA	Cornea
Dr Sushas G Nagargoje	Beed, Maharashtra	Cornea
Dr Victoria Wong	Hong Kong, China	Cornea
Dr Som Nath	Sri Ganganagar	Cornea
Dr Dharmesh D Shah	Rajkot, Gujarat	Cornea
Ms Shreya Patel	North Andover, USA	Cornea

Dr Rajesh U Patel	Jhagadia, Gujarat	Retina
Dr Alex Melamund	Virginia, USA	Retina
Dr M Agarwal	Silguri, West Bengal	Retina
Dr Dharmesh Kar	Mumbai, Maharashtra	Retina
Dr Mohit Sharma	New Delhi	Retina
Dr Rajan P Pradhan	Siliguri, West Bengal	Retina
Dr Ajay Dave	New Delhi	Retina
Dr V K Tewari	Ghaziabad, Uttar Pradesh	Retina
Dr Kiran Agrawal	Shantinagar, Raipur	Retina
Mr Mukunda Chaitanya	Hyderabad, Andhra Pradesh	Retina
Dr Naveen K Rao	Grafton, USA	Retina/Cornea
Dr Timirkanti Mandal	Kolkata, West Bengal	Glaucoma
Dr Rekha Khandelwal	Nagpur, Maharashtra	Glaucoma
Ms Amrinder Dosanjh	University of Melbourne, Australia	Externship
Mr V Mahinder Reddy	Hyderabad, Andhra Pradesh	Ophthalmic Asst
Mr Samip S Malkan	Dahod, Gujarat	Pediatric Optometry
Dr Swapnali Sabhapandit	Guwahati, Assam	Pediatric
Christopher ng Chee Bing	Singapore	Optometry
Konda V Nagaraju	Singapore	Optometry
Vivien Chiang su Wun	Singapore	Optometry
Sim Cheng yee Cindy	Singapore	Optometry
Ee Jin Hui Shirley	Singapore	Optometry
Loh Shu Chuan	Singapore	Optometry
Tan Jia Ying Janice	Singapore	Optometry
Hong ai Ping	Singapore	Optometry
Chua wee Ling Winnie	Singapore	Optometry
Lim Li Yun Michelle	Singapore	Optometry
Zhang Kailin	Singapore	Optometry
Vitya Meiko	Singapore	Optometry
Citra Pusvita	Singapore	Optometry
Agnes Tan	Singapore	Optometry
Chan Khai Gin	Singapore	Optometry
Lim Hui Ying	Singapore	Optometry
Hong Kerjing	Singapore	Optometry
Soh Zhida	Singapore	Optometry
Maybelline Ong	Singapore	Optometry
Lekxuan	Singapore	Optometry
Tan LinYing	Singapore	Optometry
Dr Koh Hui Hiang	Singapore	Optometry
Ms Shree Radia	Birmingham, United Kingdom	Optometry
Ms Simran Ryatt	Birmingham, United Kingdom	Optometry
Mr Manvirsingh Rana	Birmingham, United Kingdom	Optometry
Mr Vinay Najran	Birmingham, United Kingdom	Optometry
Ms Rosanna Lee	Birmingham, United Kingdom	Optometry
Ms Victoria Robins	Birmingham, United Kingdom	Optometry
Ms Dean James Roberts	Birmingham, United Kingdom	Optometry
Ms Senay Aydin	Berlin, Germany	Optometry
Mr Goutam D Das	Siliguri, West Bengal	Optometry
Ms Aramitra Chakraborty	Siliguri, West Bengal	Optometry
Mr Sujeet Kumar	Siliguri, West Bengal	Optometry
Mr D Vinay Kumar	Hyderabad, Andhra Pradesh	Optometry
Mr Ajay Shinde	Bangalore, Karnataka	Optometry
Mr Santosh Kumar	Siliguri, West Bengal	Optometry
Mr Subrata Bhuiya	Siliguri, West Bengal	Optometry
Ms Mousumi Roy	Siliguri, West Bengal	Optometry
Dr Shehadri S Mahajan	Nasik, Maharashtra	ROP
Dr K Rama Devi	Visakhapatnam, Andhra Pradesh	Oph. Plastics
Dr Priyanka Gandhi	Vadodara	Stem Cell Biology
Dr Payal Doshi	Jalna, Maharashtra	Stem Cell Biology
Mr Abhilekh Aneja	New Delhi	Contact Lens
Dr Sumit Kr Ghosh	Kolkata, West Bengal	Ocular Pathology
Ms Hetal Shah	London, United Kingdom	
Ms Rebecca Wong	London, United Kingdom	
Ms Abira Thillaivinayagalingam	London, United Kingdom	
Ms Ranbir K Sangha	London, United Kingdom	

Optometry Training Programs

Bachelor of Science in Optometry (New students, Batch 2007)

Kamalpreet Dhaliwal	Bhagijke, Punjab
Labishetty Vivek	Hyderabad, Andhra Pradesh
Jonadula Kartik	Hyderabad, Andhra Pradesh
Mohammed Shafee	Kodad, Andhra Pradesh
Baggam Vijaya Preethi	Visakhapatnam, Andhra Pradesh
B Sampath Raj	Bhiknoor, Nizamabad, Andhra Pradesh
Kelli Vidyasagar	Hyderabad, Andhra Pradesh
Vaishnavi Raghuram	Hyderabad, Andhra Pradesh
Afreen Fathima	Hyderabad, Andhra Pradesh
Gudapati Priyadarsini	Vijayawada, Andhra Pradesh
Mohammad Ghouse Mohiuddin	East Godavari, Andhra Pradesh
Mariya Fatima	Hyderabad, Andhra Pradesh
Gollapudi Sushma	Hyderabad, Andhra Pradesh
Mamidala Vasundara Devi	Hyderabad, Andhra Pradesh
Md Nazia Begum	Kodad, Andhra Pradesh
Sobia Taureen	Hyderabad, Andhra Pradesh
Ushasree Beniya	Guntur, Andhra Pradesh
N Geetha Sravani	Anantapur, Andhra Pradesh
Thirumala Swetha	Hyderabad, Andhra Pradesh
V Preethi Arora	Hyderabad, Andhra Pradesh
C Rama Venkatesh	Hyderabad, Andhra Pradesh
Syed Mujamil Ahmad	Nizamabad, Andhra Pradesh
Asmitha Korutla	Hyderabad, Andhra Pradesh
Tripuraneni Dharani	Hyderabad, Andhra Pradesh
Jason Raj William Rapaka	East Godavari, Andhra Pradesh
Asma Fathima	Hyderabad, Andhra Pradesh
Asa Narasaiah	Donakonda, Andhra Pradesh
Kadam Yogesh	Mudhol, Adilabad, Andhra Pradesh
M Sathish	Mandamarry, Andhra Pradesh

Fellowship In Optometry – LVPEI, Hyderabad (13 months & 2 years)

Mr Amit Kumar Verma	Lucknow, Uttar Pradesh
Mr S Koteswara Rao	Nellore, Andhra Pradesh
Ms Saba Inamdar	Mumbai, Maharashtra
Ms Aditya Singh	Dehradun, Uttarakhand
Mr Sauvik Mandal	Bhubaneswar, Orissa
Ms Sushweta Guha	Bhubaneswar, Orissa
Mr Tamal Chakraborty	Nadia, West Bengal
Mr Dhiraj Chakraborty	Nadia, West Bengal
Mr Priyangshu Chandra	Birbhum, West Bengal
Ms Satabdi Sarkar	Birati, West Bengal
Ms Tانيا Ghosh	Hooghly, West Bengal
Mr Debarun Dutta	Kestopur, West Bengal
Mr Hridhi Biswas	Guha Road, West Bengal
Mr Samrat Sarkar	24 Parganas, West Bengal
Mr Joshef Mollah	24 Parganas, West Bengal
Ms J Karamchandani Kirti	Jalagaon, Maharashtra
Ms H Sheethal Pai	Mangalore, Karnataka
Mr K Parthasarathi	Arakkonam, Tamilnadu
Mr Sandesh Sharma	Karnal, Haryana
Ms Esther Rani	Tirunelveli, Tamilnadu
Mr Dinesh R Mankar	Chandrapur, Maharashtra
Mr Pramod Kumar	Lakhimpuri, Uttar Pradesh

Fellowship In Optometry – LVPEI, Bhubaneswar (1 year internship)

Ms Mahasweta Chowdhury
Ms Bhaktiprada Sahoo
Mr Samik Bandhu Banerjee,
Mr Dibyendu Pusti

Vision Technician Program

The number of Vision Technician students in each batch has been increasing steadily. Of the 42 students in the junior batch 18 were sent by ICARE – LVPEI and 4 were from LVPEI Bhubaneswar. We need to develop new strategies to provide hands-on clinical training to more students.

August 2007 Batch

G Sravani	Achampet, Andhra Pradesh	ICARE
N Kalpana	Achampet, Andhra Pradesh	ICARE
S Nirmala	Achampet, Andhra Pradesh	ICARE
B Swathi	Achampet, Andhra Pradesh	ICARE
Divya	Achampet, Andhra Pradesh	ICARE
K Shankar	Sripuram, Andhra Pradesh	ICARE
Ch Subba Reddy	Prakasam, Andhra Pradesh	ICARE
K Murali Mohan	Prakasam, Andhra Pradesh	ICARE
K Vinay Simha	Prakasam, Andhra Pradesh	ICARE
J Sreenu	Yacharam, Andhra Pradesh	ICARE
V Venkanna	Yacharam, Andhra Pradesh	ICARE
Bichappa	Yacharam, Andhra Pradesh	ICARE
Mallesh	Adilabad, Andhra Pradesh	ICARE
Srujana	Adilabad, Andhra Pradesh	ICARE
Prasanthi	Nellore, Andhra Pradesh	ICARE
K Kamalamma	Madanapally, Andhra Pradesh	ICARE
K Nagesh	Madanapally, Andhra Pradesh	ICARE
Venkatesam	Vikarabad, Andhra Pradesh	KCCEC, Begum Bazar
Aswathi Balakrishnan	Ernakulam, Kerala	OEU
Sunita	Kulu, Himachal Pradesh	OEU
TK Shibi Muhammed	Ernakulam, Kerala	OEU
K Anusuja	Darjeeling	OEU
Subir Kumar Paul	Darjeeling	OEU
Deepak Rana	Dang, Gujarat	OEU
K Roshan Bhai Shukkar Bhai	Indore, Madhya Pradesh	OEU
Aslam Hussain	Dewas, Madhya Pradesh	OEU
Bhupendra Jaiswal	Dewas, Madhya Pradesh	OEU
Mahesndra Singh Parihar	Allahabad, Uttar Pradesh	CL Gupta Eye Institute, Moradabad
Ritesh Vishwakarma	Aligarh, Uttar Pradesh	CL Gupta Eye Institute, Moradabad
Goldy Singh	Sambhal	CL Gupta Eye Institute, Moradabad
Kushal Pal Singh	Moradabad, Uttar Pradesh	CL Gupta Eye Institute, Moradabad
Huma Naaz	Kanpur, Uttar Pradesh	CL Gupta Eye Institute, Moradabad
Swayambar Singh	Chandausi, Uttar Pradesh	Rotary Sunderlal Eye Hospital (OEU)
Rohit Varshney	Kothamangalam, Kerala	St Joseph's Hospital, Dharmapuri (OEU)
Rosin George	Yacharam, Andhra Pradesh	St. Gregorius Balagram Eye Hospital, Yacharam
Minu Muralidhren	Chandausi, Uttar Pradesh	Rotary Sunderlal Eye Hospital (OEU)
Mohammed Qadir	Palakkad, Kerala	Assumption Hospital, Kanjipuzha, Kerala
Elsamma Thomas	Bhubaneswar, Orissa	LVPEI, Bhubaneswar
Saumya Ranjan Parida	Bhubaneswar, Orissa	LVPEI, Bhubaneswar
Anshuman Garnayak	Bhubaneswar, Orissa	LVPEI, Bhubaneswar
Debashish Mahapatra	Bhubaneswar, Orissa	LVPEI, Bhubaneswar
Arunima Mishra	Bhubaneswar, Orissa	LVPEI, Bhubaneswar

February 2008 Batch

Twenty-seven Vision Technician students started their training in February 2008. They include seven students from Sri Lanka, who will work on the Sri Lankan project of ICEE (Sydney).

Mr Pandurang	Adilabad, Andhra Pradesh	LVPEI
Ms K Chandra Kala	Adilabad, Andhra Pradesh	LVPEI
Ms J Rajashekhar	Prakasam, Andhra Pradesh	LVPEI
Mr D Srinu Kumar	Adilabad, Andhra Pradesh	LVPEI
Mr P Pundalik	Adilabad, Andhra Pradesh	LVPEI
Mr R Naveen Kumar	Adilabad, Andhra Pradesh	LVPEI
Mr Z Bheem Rao	Adilabad, Andhra Pradesh	LVPEI
Mr N Kapil	Adilabad, Andhra Pradesh	LVPEI
Ms D Lavanya	Adilabad, Andhra Pradesh	LVPEI
Mr Gaikwad Utham	Adilabad, Andhra Pradesh	LVPEI
Mr P Aravind Reddy	Adilabad, Andhra Pradesh	LVPEI

Mr P Rajendra Prasad	Nizamabad, Andhra Pradesh	LVPEI
Mr G Pullaiah	Prakasham, Andhra Pradesh	LVPEI
Mr K Srinivasulu	Prakasham, Andhra Pradesh	LVPEI
Mr Subba Reddy	Prakasham, Andhra Pradesh	LVPEI
Mr M Prabhakar	Yacharam, Andhra Pradesh	LVPEI
Ms P M Priyanka	Nellore, Andhra Pradesh	LVPEI
Mr R Aravind Kumar	Nellore, Andhra Pradesh	LVPEI
Ms K Kamalamma	Madanapally, Andhra Pradesh	LVPEI
Mr Aslam Hussain	Tnalaa, Madhya Pradesh	OEU
Ms Baththiram Pedige Rasika Sanjeeewani	Sri Lanka	ICEE - Australia
Mr Yogage Vidya Priyajanaka Jayarathna	Sri Lanka	ICEE - Australia
Mr Deniye Gedara Sudeera Kelum Tissa Kumara	Sri Lanka	ICEE - Australia
Mr Kithalawalana Kankanamlage Chandrika Niroshan	Sri Lanka	ICEE - Australia
Mr Gannoruwa Athauda Mudiyanselage Newan	Sri Lanka	ICEE - Australia
Ms Malawita Mohottalalage Menaka Samanmali Malawita	Sri Lanka	ICEE - Australia
Ms Rubasingh Gamage Piumika Mihirani	Sri Lanka	ICEE - Australia

ICARE – International Centre for Advancement of Rural Eye Care, LVPEI

OEU – Operation Eyesight Universal, Canada

KCCEC – Kishore Chand Chhordia Eye Centre, Hyderabad

ICEE – International Centre for Eyecare Education, Australia

Other Eye Care Professional Training Programs

Diploma in Community Eye Health – 2007 (Two weeks)

Mr Dinesh Kumar Srivastav	Community Eye Care & Health Promotion (CEHP), Nepal
Mr Chhandu Lal Tharu	Community Eye Care & Health Promotion (CEHP), Nepal

Diploma in Community Eye Health – 2008 (6 Months)

Mr Shiva Shankar Eeda	District Hospital, Mahabubnagar, Andhra Pradesh
Mr Siva Kumar Voleti Venkata	District Hospital, Rajahmundry, Andhra Pradesh
Mr Ajay Kumar Shilagani	Thotapally, Karimnagar district, Andhra Pradesh
Mr Krishnaiah Veerabrahmmam	Keesara, Ranga Reddy district, Andhra Pradesh
Mr Narsimha Chary Veeravelli	Subsidiary Health Centre, Malkajgiri, Ranga Reddy district
Mr Ramachandra Rao Boyina	Kusimi, SriKakulam district, Andhra Pradesh
Mr Srinath Gomatam	Gundi, Karimnagar district, Andhra Pradesh
Mr Mall Reddy Gade	Parvathagiri, Warangal district, Andhra Pradesh
Mr Harinath Nehru Anupoju	Kondapak, Medak district, Andhra Pradesh
Mr Ram Chander Velpula	Dammapeta, Khammam district, Andhra Pradesh
Mr Krishna Rao S V R	Gurla, Vizianagaram district, Andhra Pradesh
Mr V Bhujanga Reddy	Devgoam, Nizamabad district, Andhra Pradesh
Mr M V Naganjaneyulu Akurati	District Hospital, Ongole, Andhra Pradesh
Mr Bichanna Yerupula	Nawabpet, Mahaboobnagar district, Andhra Pradesh
Mr Satyanarayana Sristi	Mandapadu, Guntur district, Andhra Pradesh
Mr Md Sharifuzzaman	Mymensingh B N S B Eye Hospital, Bangladesh
Mr Bhabani Prasad Pant	Nepal Netra Jyoti Sangh, Tripureswar, Kathmandu, Nepal
Ms Jessie Irene ND Ankrah	Korle Bu Teaching Hospital, Ghana, West Africa
Dr Shreya S Patel	Boston University School of Medicine, Boston, USA (3 Weeks)

Low Vision and Rehabilitation (3 months)

Mr Purushottam Dhungana	Kathmandu, Nepal	Mr Krishna Kant	Ayodhya, Uttar Pradesh
Mr Krishna Kant Yadav	Ayodhya, Uttar Pradesh	Mr Deepak Chandra Nand	Dhamtari, Chattisgarh
Ms Manasi Mehta	Thane, Maharashtra	Ms Kamalakshi Sutar	Bangalore, Karnataka

Eye Bank Technicians (3 months)

Mr Anif Mulyazam	Jakarta, Indonesia	Mr Rosikin	Jakarta, Indonesia
Mr Raveendra Nayak	Mangalore, Karnataka	Mr Gerald Mariungi Murithi	Nairobi, Kenya
Mr R Srishylam	Hyderabad, Andhra Pradesh	Mr K L S Prasad	Vuyyur, Andhra Pradesh
Mr Nitin Sharma	Jalandhar, Punjab	Mr Om Prakash Pandey	Gorakhpur, Uttar Pradesh
Mr Subhash C Shikder	Dhaka, Bangladesh	Mr SVR Krishna	Visakhapatnam, Andhra Pradesh
Mr Mahadev Lekhwani	Jaipur, Rajasthan	Mr Abhijit Saha	Nadia, West Bengal
Ms T Shobha Rani	Madanapally, Andhra Pradesh	Mr J U M Satya Ram	Visakhapatnam, Andhra Pradesh
Mr G Suresh Kumar Rao	Nalgonda, Andhra Pradesh	Mr M Suresh	Visakhapatnam, Andhra Pradesh

Eye Donation Counsellor (1 month)			
Mr Bharat Kumar Shah	Jaipur, Rajasthan	Ms Noor Saba	New Delhi
Mr Anif Mulyazam	Jakarta, Indonesia	Mr Rosikin	Jakarta, Indonesia
Mr Md Musa Mansury	Dhaka, Bangladesh	Mr Gerald Mariungi Murithi	Nairobi, Kenya
Mr Pradeep Kumar Tamta	Meerut, Uttar Pradesh		
Eye Bank Ophthalmologists Observership (1 week)			
Dr Daniel Kiage	Nairobi, Kenya	Dr Millicent Kariuki	Nairobi, Kenya
Dr Mohd Shahbaaz	Aligarh, Uttar Pradesh	Dr Shashikant Pacharne	Ahmednagar, Maharashtra
Dr Suhas G Nagargoje	Beed, Maharashtra		
Eye Bank Manager (1 week)			
Ms Rakhi Rathore		Jaipur, Rajasthan	

Hospital Team Training Programs

Ophthalmic Nursing Assistant Trainees (2 years)

Ms B Vijaya Lakshmi	Hyderabad , Andhra Pradesh
Ms G Saritha	Hyderabad , Andhra Pradesh
Ms M Anitha	Hyderabad , Andhra Pradesh
Ms P Syamala	Hyderabad , Andhra Pradesh
Ms S Naga Jyothi	Hyderabad , Andhra Pradesh
Ms Y Kalyani	Hyderabad , Andhra Pradesh
Ms G Sandhya	Gudivada, Andhra Pradesh

Ophthalmic Nursing Assistant Trainees (3 months)

Mrs A Radhabai	LVPEI, Visakhapatnam, Andhra Pradesh
Mrs P Suseela	LVPEI, Visakhapatnam, Andhra Pradesh
Ms Padmaja	LVPEI, Visakhapatnam, Andhra Pradesh
Ms Varalakshimi	LVPEI, Visakhapatnam, Andhra Pradesh
Ms Padmaja	LVPEI, Visakhapatnam, Andhra Pradesh
Ms Banu Saraswathi	LVPEI, Visakhapatnam, Andhra Pradesh
Ms Swetha	LVPEI, Visakhapatnam, Andhra Pradesh

Operation Theatre Technicians (2 years)

Mr G Swamy	Hyderabad , Andhra Pradesh
Mr K Venkateshwar Rao	Hyderabad , Andhra Pradesh
Mr B Maheshwara Rao	Hyderabad , Andhra Pradesh

Operation Theatre Technicians (12 months)

Mr Varun Bharti	Moradabad
Mr Pushpendra Kumar	Moradabad

Operation Theatre Technicians (3 months)

Mr K Appala Raju	LVPEI, Visakhapatnam, Andhra Pradesh
Mr V Gangadhar Bhupathi	LVPEI, Visakhapatnam, Andhra Pradesh

Ophthalmic Maintenance Technicians (6 months)

Mr Yator James Kipruto	Kisumu, Kenya
Mr Abdalla Omar Ismail	Mombasa, Kenya

Patient Counsellors (3 months)

Ms Mothi Bai	LVPEI, Visakhapatnam, Andhra Pradesh
Ms K Mary Prasanthi	LVPEI, Visakhapatnam, Andhra Pradesh
Mr B Sri Rama Phani	LVPEI, Visakhapatnam, Andhra Pradesh
Mr KVV Suresh Kumar	LVPEI, Visakhapatnam, Andhra Pradesh

Swarna Bharat Eye Centre, Venkatachalam, Nellore district, Andhra Pradesh

Mr Mallikarjuna Komara	Administrative	1 Year
Mr Rama Krishna Chapli	OT Technician	6 Months
Mr Sai Kumar Tenkayala	MRD & Stores Assistant	3 Months
Mr Srinivasulu Majjiga	Biomedical & Maintenance	3 Months
Mr Anil Kumar O	Patient Counselor	3 Months

Community Eye Care & Community Based Rehabilitation

Bhosle Gopal Rao Patel Eye Centre, Mudhol, Adilabad district

Mr Gadadhala Sayanna	Coordinator
Mr Sonkamble Babu Rao	CEH Worker
Mr Maggidi Sridhar	CEH Worker
Mr Pingle Ashok	CEH Worker

Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy, Mahaboobnagar district

Ms Toom Sunitha	CEH Worker
Mr Kothapally Raju	CEH Worker
Mr Komara Venkataiah	CEH Worker

Venkata Lakshmi Eye Centre, Karamchedu, Prakasam district

Mr Chennupati Seetharamaiah	Supervisor
Mr Gummanampati Srinivasa Rao	CEH Worker
Mr Valeru Venkat	CEH Worker
Mr Yedluri Ramesh	CEH Worker
Ms Sheik Parveen	CEH Worker

Seshanna Chennawar Eye Centre, Adilabad, Adilabad district

Mr Meshram Santosh	CEC Worker
Mr Mukkeru Rakesh	CEH Worker
Mr Battula Ushannar	CEH Worker

Swarna Bharat Eye Centre, Venkatachalam, Nellore district, Andhra Pradesh

Mr Nalabalapu Chinnaiah	CEH Worker
Mr Voosi Rajesh	CEH Worker

Paramahansa Yogananda Netralaya, Vemagiri, Rajahmundry, East Godavari district

Mr KV Satyanarayana	Coordinator
Mr Chintakayala Narayana Murthy	CEH Worker
Mr G Babji	CEH Worker

Markapuram Eye Centre, Markapuram, Prakasam district

Mr Yedukondalu Nandyala	Administrative	1 Year
Mr Brahma Naik Bilavath	OT Technician	6 Months
Mr Sriram Naik Bilavath	OT Technician	6 Months
Ms Adi Lakshmi Abburi	Patient Counselor	6 Months

M S Reddy Lions Eye Hospital, Moula Ali, Hyderabad (1 month)

Shanker Anantwar	Field Worker
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Rotary Sunder Lal Eye Hospital, Bisauli Gate, Chandausi, Uttar Pradesh (1 month)

Amzad Khan	OT Technician
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Sudhakar & Sreekanth Ravi Eye Centre, Markapuram, Prakasam district (6 months)

Mr Yedukondalu Nandyala	Administrative fellow – 1 Year
Mr Brahma Naik Bilavath	OT Technician
Mr Sriram Naik Bilavath	OT Technician
Ms Adi Lakshmi Abburi	Patient Counselor
Sheik Siraj Ahmed	Bio-Medical & Maintenance Technician

People's Initiative Network (PIN) Eye Health Training Program – July 19, 2007

Bro. Francis D'Silva	Hyderabad
Bro. Linto	Hyderabad
B Sophia	Hyderabad
Nazeema Begum	Hyderabad
Sr. Rosamma George	Hyderabad
K Jayasree	Hyderabad
J Natchram	Hyderabad
Bro. Jomon	Hyderabad

Chaddami Lal Jagdish Saran Charitable Trust, Moradabad, Uttar Pradesh (1 year)

Chandra Shekhar Pant	Administrative fellow
Vivek Manucha	Administrative fellow
Varun Bharti	Operation theater technician
Pushpender Kumar	Operation theater technician
Mona Bharti	Ophthalmic nurse assistant
Charu Lamba	Ophthalmic nurse assistant
Susan Yeolene John	Ophthalmic nurse assistant
Manmeet Kaur	Ophthalmic nurse assistant

Child Eye Care Charitable Trust, Dang Tribal Centre, Gujarat (1 year)

D K Ramesh Bhai Patel	Administrative fellow
Yashoda Tulsya Bhoye	Ophthalmic nurse assistant
Sumitra Chandra Raut	Ophthalmic nurse assistant

Administrative Fellow - Training (1 year)

Siva Rama Prasad Ravi	Prakasam district
Vasu Babu Viravalli	Prakasam district
Ashok Gaddam	Adilabad district
Venkateswara Rao Miryala	Karamchedu, Prakasam district
Suresh Madasu	Mandamarri, Adilabad district

L V Prasad Eye Institute, Bhubaneswar, Orissa

1 year	6 months
Ms Sujata Hota	Patient Counsellor
Mr Manoj K Sahoo	Patient Counsellor
Ms Jharana Rout	Patient Counsellor
Susanta Kumar Mishra	Bio-Medical Technician
Prasant Kumar Nayak	Bio-Medical Technician
	Rinku Naik
	Jyotiprava Naik
	Shradhanjali Behera
	Jharana Rout
	Kabita Sahoo
	Gayatri Dehuri
	Ophthalmic nurse assistant

Training Program for Field Investigators*(Child to Child and Child to Family Communication Project)*

Mr Narayana Murthy Chintakayala	Vemagiri, Rajahmundry, West Godavari District
Mr C Bheema Raju	Bijinapally, Mahaboobnagar District
Mr Ramakrishna Dathurka	Utnoor, Adilabad District

Andhra Pradesh Tribal Eye Care Project Program Coordinators Training Program*Supported by Andhra Pradesh Right to Sight Society, Hyderabad (10 days)*

Sriharsha Gudala	K.Gangavaram Mandal, East Godavari district, Andhra Pradesh
Sachin D	Kaghaznagar, Adilabad district, Andhra Pradesh
Satish Kandakatla	Athmakur, Warangal district, Andhra Pradesh
Pratap Kumar B	Tenali, Guntur district, Andhra Pradesh
Harish Vijay Gudala	K Gangavaram Mandal, East Godavari district, Andhra Pradesh
Rama Rao J TV	Peapully, Kurnool district, Andhra Pradesh
Gnana Sundara Rao Balijepalli	Tenali, Guntur district, Andhra Pradesh
Rajendra Kumar Maddala	Yeleswaram, East Godavari district, Andhra Pradesh
Chinnari Bondala	Visakhapatnam, Andhra Pradesh
Sridevi Tirupathi	Parapuram, Kotturu, Srikakulam district, Andhra Pradesh
Venkata Surya Kanthi B	Visakhapatnam, Andhra Pradesh

Vision Guardian Training Program*In Collaboration with N TR Memorial Trust, Hyderabad*

Janaki Panthagi	RTC Colony, Medchal, Ranga Reddy District
Swathi Kotha	Athivelly, Medchal, Ranga Reddy District
Ramadevi Cheliveru	Muneerabad, Medchal, Ranga Reddy District
Renuka Puligaru	Dabilpur, Medchal, Ranga Reddy District
Sandhya Kanukauti	Medchal, Ranga Reddy District
Krishnaveni Sandhilu	Pudur, Medchal, Ranga Reddy District
Shobha Poojari	Dabilpur, Medchal, Ranga Reddy District
Jayanthi Bachu	Dabilpur, Medchal, Ranga Reddy District
Padmavathi Dakhur	Srirangavaram, Medchal, Ranga Reddy District
Maheshwari Gorakanti	Girimapur, Medchal, Ranga Reddy District

Lalitha Menda	Nuthankal, Medchal, Ranga Reddy District
Laxmi Kairothu	Rajbollaram, Medchal, Ranga Reddy District
Narmada Gurumanchi	Gundlapochampally, Medchal, Ranga Reddy District
Jhansi Laxmi Panuganti	Medchal, Ranga Reddy District
Laxmi Ganapuram	Gandhi Road, Medchal, Ranga Reddy District
Madhavi Chedri	Yadaram, Medchal, Ranga Reddy District
Rajeshwari Cheryla	Housing Board Colony, Medchal, Ranga Reddy District
Mangamma Pamulaparthys	Medchal, Ranga Reddy District
P Sunitha Pandya	Ramnagar, Hyderabad
Venkata Ramani Narlakanti	Kummarigadda, Medchal, Ranga Reddy District

OEU – LVPEI Eye Care Managers Training Program (6 weeks)

Dr Pradeep N Sawardekar	Child Eye Care Charitable, Mumbai
Mr V Clement Godfrey	Emmanuel Blind Relief Society, Coonoor, Tamil Nadu
Mr Satyandra Pal Singh	Rotary Sundarlal Eye Hospital, Chandauli, Uttar Pradesh
Mr P D K Ramesh Bhai	Child Eye Care Charitable Trust, Dang Tribal Centre, Gujarat
Mr Seby Poulose	Little Flower Hospital Annex Koonamavu, Angamaly, Kerala
Mr Amit Sudhakar Marne	Jnana Prabodhini Medical Trust, Pune
Ms Simi Jose	Little Flower Hospital, Angamaly
Ms Janaki Karki	Thakur Sitaram Sevakendra, Malda, West Bengal
Sr Ushus Maria	Assumption Eye Hospital, Kanhirapuzha, Kerala
Sr Pavana	St. Joseph's Hospital, Kothamangalam, Kerala

Name	Place	Area of Training	Duration
Mr Samip S Malkan	Dahod, Gujarat	Optometry-POLTC	6 months
Mr Suryakanth	Dahod, Gujarat	Counselor-POLTC	3 months
Ms Hirut	Ethiopia	Nurse	1 month
Mr Teckle Bentu	Ethiopia	Clinic Manager	1 month

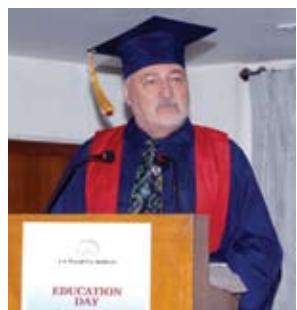
Bausch & Lomb School of Optometry

Education Day

Education Day was held on October 1, 2007. Dr G Chandra Sekhar as Director of L V Prasad Eye Institute, Hyderabad, welcomed the graduating students, guests and staff. Professor H Barry Collin, Former Dean, School of Optometry, University of New South Wales, Sydney, was the chief guest.

Professor V S Rao, Director, off-campus programmes, BITS, Pilani, and Director, BITS Hyderabad Campus, presented the BS Optometry degree certificates to the students. Dr Prashant Garg, Director – Education, LVPEI, and Prof Coen de Jong, Director – Education Development, and Principal, Bausch & Lomb School of Optometry, reported on the activities of their departments.

Prof Coen de Jong introduced the graduating students; all 20 students of Batch 2003 completed the bachelor's course in optometry. The students are Ms Aditi Desai, Ms Amruthavalli Dasapati, Mr Anand Singh Kholia, Ms Arifa Begum, Mr V Hari Krishna, Ms Kalika Bandamwar, Ms Krupa Philip, Mr Kulbhushan Sachdeva, Mr S P V R Naresh, Ms Prachi Lathkar, Ms Sen Paulami Ashoke, Ms Sneha Kataria, Mr V Sumanth, Ms Sumit Kumar, Ms R Sushma, Ms D Swathi, Ms G Swathi Lakshmi, Ms Swetha Velpula and Mr Vardaan Sood.



Dr G Chandrasekhar, Director, LVPEI, Hyderabad addresses the audience on Education Day

Of these seven students were placed in distinction, 10 in the first division and two in the second division. Ms Aditi Desai was declared the Best Outgoing Student based on her highest average throughout the four years of the course. For her outstanding performance in the clinic and at the school she was awarded the Prize of Excellence, a glass artwork made by Mr Sisir Sahana, one of LVPEI's artists-in-residence.

The first-ranked student of each batch, including the first year student who made the best admission exam, received the Carl Zeiss Scholarship. These were Mr Viswanathan, Ms Khuseeya Shareef, Ms Ritika Kataria and Mr Labishetty Vivek. They were presented certificates by Mr Ramachandra Bhat on behalf of Carl Zeiss.

The Diploma Ophthalmic Techniques (DOT) students, who participated in the first two years of the bachelor degree course, also received certificates. The DOT students are Ms Akila Appla, Mr Bharath Kumar, Ms Kiranmayee, Ms P Lavanya, Mr Rahul Leekha, Ms G Sagarika, Ms Shreya Adhiya, Ms Vasavi and Mr Veerendranath.

B S Optometry

The selection of students for the B S Optometry Course Batch 2007 was held on July 15, 2007 (written exams) and July 18, 2007 (interviews). The results were declared the same day. This year the written exams for the Birla Institute of Technology and Science (BITS), Pilani, degree courses in optometry in Chennai and Hyderabad were identical and conducted simultaneously. The interviews were held on different days with different teams. The interview team for Hyderabad comprised:

- Prof Coen de Jong, Principal, BLSO (Chairperson)
- Dr Prashant Garg, faculty, LVPEI
- Dr Ramu, coordinator, BITS
- Mr I Sreedhar, coordinator, BITS

A total of 29 students have enrolled in the course; while 28 are from Andhra Pradesh, one student is from Punjab.

Scholarships

At the beginning of each academic year the five best students in a batch get a scholarship of Rs 30,000 and a certificate. The scholarship for the best student is given by Carl Zeiss, while the other four receive LVPEI scholarships.

Batch – 2003 (III YEAR): G R Viswanathan, Ankita Agarwal, Kolanu Sailesh, K Swathi, Athira Rose

Batch – 2005 (II YEAR): Khuseeya Shareef, C Rebecca Sumalini, Safiya Sultana, Naila Amreen S A Ali, Ekta J Thakkar

Batch – 2006 (I Year): Ritika Kataria, V Nirosha, V Sri Latha, S Jaya Sowjanya, Uzma Fatima

Batch – 2007 (Admission exam): Labishetty Vivek, Syed Mujamil Ahmad, Baggam Vijaya Preethi, N Geetha Sravani, Afreen Fathima

Sponsored students

The Institute has taken the initiative to offer full sponsorships to promising students who cannot afford to pay for the degree course and commit to work in LVPEI for a period of five years after completing the degree course. Every year four Vision Technician students who have proven themselves will be selected for this sponsorship. In addition, selected candidates can apply for the sponsorship. For the year 2007 – 2008, 11 students were selected. They are:

Batch 2007: Ushasree Beniya, Asa Narasaiah, Kadam Yogesh, M Sathish, Syed Mujamil Ahmad, Mohammed Ghousie Mohiuddin, Md Nazia Begum, Mohammed Shafee, Kelli VidyaSagar

Batch 2006: P Hari Kumar, S Bharani

Other news

IGNOU – LVPEI degree course in Bhubaneswar

LVPEI Bhubaneswar has started a B Sc (Hons) course in Optometry & Ophthalmic Techniques. The 4-year degree course is being conducted in collaboration with the Indira Gandhi National Open University (IGNOU). All 11 students are Vision Technicians.

Other courses

At the request of Sight Savers International we will conduct a four-week course in "Dispensing Optics" for students from Karnataka who will be working there in rural centres.

Tradition Day

The third-year students organised Tradition Day on September 7, 2007, where the students and staff came in their traditional clothes. The students decorated the school for the occasion and organized a cultural program held in the scenic environs of the open-air theatre at the school.

Screening Program

On November 14, 2007, the Thakur Hari Prasad Institute of Research and Rehabilitation for the Mentally Handicapped organised a Health Camp, where third-year students from BLSO conducted eye screening of visitors.

Visual Refractometer workshop

On November 16 and 17, 2007, the International Centre for Eyecare Education, Australia, and Essilor conducted a Visual Refractometer workshop at Chennai. Mr Shyam Sunder, faculty, optometry, participated in the workshop.

External Examiners

In December 2007 Manipal University invited our faculty Mr Vijay Kumar as external examiner for the Manipal university optometry students. In December 2007 our faculty member Mr M Vinod Kumar was invited as external examiner in the School of Optometry in BVP University in Pune.

Water purification plant

The new water purification plant of Water Health India Private Limited was inaugurated on March 19, 2008, at Kismatpur by Dr G N Rao and Prof Coen. Staff of Water Health Private Limited and LVPEI staff and students attended the event.

Optometry Quiz

On December 18, 2007, an Optometry Quiz was organised for the BS optometry students in which eight groups participated.

External Interns

For the first time BLSO admitted external interns. Two students from Pune participated for nine months (August 2007 to April 2008) in the internship program.

Central Audio-Visual Unit

This was an eventful year for the Central Audio-Visual Unit (CAVU) – we received two grants and one video prize at the European Society of Cataract Refractive Surgeons (ESCRS) meeting and 13 videos were accepted for the video competition of the American Academy of Ophthalmology (nearly 35% of the total).

- Dr Anil K Mandal's instructional video 'Surgical management of infantile glaucoma with secondary corneal hydrops' won first prize in the surgical video section at the 17th annual meeting of the Glaucoma Society of India.
- Award-winning videos produced by CAVU were displayed in the Video Theatre at the 39th meeting of the Andhra Pradesh State Ophthalmic Society at Tirupati. September 29, 2007.
- The Leprosy Mission, Kolkata, dubbed the patient information video on cataract into four languages – Bhojpuri, Tamil, Bengali and Marathi.
- Our video on 'Epidemic Conjunctivitis' was telecast by ETV2 as part of the Sukhibhava health program on September 9, 2007.
- Videos submissions to the oculoplasty conference Cutting Edge 2007 were compiled and displayed in the video theatre during the conference. More than 200 presentations were edited with voice and compressed to produce a conference DVD.
- The International Centre for Eyecare Education (ICEE) commissioned CAVU to make a video on Vision Technicians from Sri Lanka; it was produced for Optometry Giving Sight, Vision Source doctors and the ICEE for use in fundraising activities.
- We produced the first set of basic videos on squint.

CAVU also completed audio-video re-cabling from the LVPEI Operation Theatre to CAVU to the auditorium. The live surgery video signal feed to the new tele-network videoconference system has been improved. Video re-cabling from some of the outpatient departments and operation rooms to CAVU for live surgery demonstrations was completed. Audiovisual connections were established at LVPEI Visakhapatnam to transmit cataract conference proceedings as live relay feed to the library.

The Central Audio-Visual Unit received a grant from Sight and Life to publish the 'Healthy Eyes Activity Book: A Health Teaching Book for Primary Schools – Second Edition' in Hindi and Telugu. On World Sight Day, the Telugu book was released in Hyderabad and the Hindi book was released in Bhubaneswar. The book is being distributed among primary schools children in Rajahmundry, Adilabad and Nellore districts of Andhra Pradesh. CAVU also received 150 copies of the first edition for distribution.

CAVU received a grant from the American Cancer Society for children with retinoblastoma. Nutritional food items

fortified with calcium and iron and a goody-bag of toys, scarf and hat were provided to children with eye cancer at LVPEI, Hyderabad. Alcon Laboratories India (Pvt) Ltd. also donated 500 bags for distribution among these children.

Over 1000 videos were edited for presentations by LVPEI fellows and consultants.

Videos Produced – 19

- The Pyramid of Eye Care – Dr Usha Raman, Ms Sarika Antony, Mr Sam J Balasundaram
- Surgical Management of Infantile Glaucoma with Secondary Corneal Hydrops – Dr Anil K Mandal
- Considerations in Pediatric Cataract Surgery – Dr Sushma Tejwani
- Deep Lamellar Keratoplasty: The Modified Big Bubble Technique – Dr Rishi Swarup
- Tackling Surprises during Manual Small Incision Cataract Surgery – Dr Rishi Swarup & Dr Manish Malhotra
- Challenging Situations in Pediatric Cataract Surgery – Dr Murali K Aasuri
- Inferior Oblique Myectomy – Dr Ramesh Murthy
- Superior Oblique Tendon Tuck – Dr Ramesh Murthy
- Instrumentation for Squint Surgery – Dr Ramesh Murthy
- Fun Camp for Visually Challenged Children, Winter 2007 – Ms Beula Christy
- Vitamin A and the Eye (Patient Education Video in Marathi)
- Cosmetic Management of Blind Eyes – Dr Ekta Aggarwal and Mr Kuldeep Raizada
- Considerations in Pediatric Cataract Surgery (re-edited) – Dr Sushma Tejwani
- My Turn: Information for Outpatients – Dr Raja Narayanan
- The Day of My Surgery: Information for the Surgical Patient – Dr Raja Narayanan
- Gold-weight Implant for Facial Palsy: Trial and Surgical Technique – Dr Milind Naik
- My Eye, My Life: All about Artificial Eyes – Mr Kuldeep Raizada and Ms Deepa Raizada
- Activities of Vision Technicians from Sri Lanka – edited for Prof Coen DeJong
- Laser Surgery for ROP – edited for Dr Subhadra Jalali

Guest Lectures



The wide network LVPEI has established with institutions and organisations 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:

LVPEI, Hyderabad

Dr Meenakshi Mukerjee, noted literary critic and retired professor, University of Hyderabad, delivered a lecture on *English in an Uneven Land*. April 11, 2007

Dr Dan Martin, Interim Clinical Chair, Department of Ophthalmology, Emory University School of Medicine, Atlanta, delivered a lecture on *CATT trail and AREDS*. April 18, 2007

Dr Swaroop Vedula, University of Pennsylvania Health System, delivered a lecture on *Overview of systematic reviews and the concept*. April 25, 2007

Dr Evita Fernandez, Consultant Obstetrician at Fernandez Hospital, delivered a lecture on *The social and medical reality of HIV - AIDS: The experience at Maternity Clinic*. May 9, 2007

Dr Balamurali K Ambati, Associate Professor in Ophthalmology & Director of Medical College of Georgia, delivered a lecture on *Interesting Clinical Cases and Corneal angiogenies*. June 8-9, 2007

Mr Babu Gogineni, humanist and rationalist, and Director of International Humanist and Ethical Union, delivered a lecture on *Globalisation and its Contents*. June 13, 2007

Dr Ramachandra Pararajasegaram, Consultant for Program for Blindness and Deafness, WHO, Sri Lanka, delivered a lecture on *Quality Assurance in Eye Care*. June 22, 2007

Dr Prasanta Mahapatra, Commissioner of Inquiries, Andhra Pradesh Government, and Honorary President,

Institute of Health Systems, Hyderabad, delivered a guest lecture on *Social evolution of hospitals*. July 11, 2007

Justice TNC Rangarajan, retired Justice, High Court of Andhra Pradesh, Hyderabad, and Member, Ethics Committee, LVPEI, delivered a guest lecture on *Conflict resolution and the courts*. August 8, 2007

Prof Michael Bach, President, ISCEV, and Faculty, University of Frieburg, Germany, was visiting faculty from August 22-24, 2007. He delivered lectures and had interactive session with fellows and faculty on the following topics:

- Optical visual illusions
- How to make a presentation
- Basics and advances in VEP
- Biomedical statistics
- Multifocal ERG

Dr Sachin Kedar and **Dr Deeptha Ghate**, Department of Neurology, University of Mississippi Medical Centre, Mississippi, University of Nebraska Medical Centre, Omaha, USA, delivered a guest lecture on *Homonymous hemianopia revisited and Fluorophotometer in glaucoma* and *ocular drug delivery* respectively. September 1, 2007

Dr Lalitha Iyer, soft skills trainer, ThinkSoft, delivered a guest lecture on *Stress management techniques in the care giving profession*. September 12, 2007

Ms Sarada Natarajan, Visiting Faculty, University of Hyderabad, delivered a lecture on *The autonomy of art and censorship*. October 10, 2007

Mr Edward S Cohen, Senior Vice President, Satyam School of Leadership, delivered the LVPEI Foundation Day guest lecture on *Nurturing leadership culture: A challenge for growing organizations*. October 17, 2007

Prof P Namperumalsamy, Chairman, Aravind Eyecare System, delivered the *Dr Rustom D Ranji Rotary Lecture*. October 24, 2007

Prof Robyn H Guymer, Head, Macular Research Unit, Centre for Eye Research Australia, delivered a lecture on *Changes in Bruch's membrane and AMD*. October 30, 2007

Prof Paul N Baird, Head, Ocular Genetics Unit, Centre for Eye Research Australia, delivered a lecture on *Current understanding of genes in AMD*. October 31, 2007

Mr N Sreekumar, Prayas Energy Group, Pune, spoke on *Energy Security – what it means to us as a nation and as individuals*. November 14, 2007

Dr J Bronwyn Bateman, Professor, Department of Ophthalmology, University of Colorado, spoke on *Potpourri of ophthalmic genetics*. December 4, 2007

Dr Asa D Morton, Assistant Professor of Surgery, Uniformed Services University, San Diego, USA, presented a *3 Dimensional Anatomy slide show*. December 15, 2007

Dr Shrikant R Bharadwaj from Indiana University, School of Optometry, USA, spoke on *General overview of how focusing and eye alignment works in humans – adaptable nature of the human focusing mechanism*. December 28, 2007

Prof Kancha Iliaiah, Professor of political science, Osmania University, delivered a lecture on *Social & cultural Inequalities – a medical dimension*.

January 9, 2008

Dr Achyut Samant, Vice Chancellor, Kalinga Institute of Industrial Technology, Bhubaneswar, delivered a lecture on *What goes in to building institutions*. January 15, 2008

Dr Robert Folberg, Department of Pathology, University of Illinois at Chicago, Chicago, delivered a lecture on *Vasculogenic mimicry*. January 29, 2008

Prof Narsing A Rao, Director, Intraocular inflammation/Uveitis Service and the Ophthalmic Pathology Laboratories, Doheny Eye Institute, Los Angeles, USA, delivered a lecture on *Role of Alpha A crystallin in prevention of photoreceptor mitochondrial oxidative stress*. February 5, 2008

Dr Anil Kumar Mahapatro, Grant Medical College and Sir JJ Group of Hospitals, Mumbai, delivered a lecture on *Basic management of medical emergencies in ophthalmic set-up*. February 13, 2008

Dr Suraj Bhat, Associate Professor of Ophthalmology, Jules Stein Eye Institute, UCLA School of Medicine, Los Angeles, USA, delivered a lecture on *Alpha B-crystallin: The common theme in cataract, cancer and neural degeneration*. February 16, 2008

Prof Shukti Chakravarti, Associate Professor, Departments of Medicine, Cell biology and Ophthalmology, Johns Hopkins University School of Medicine, Maryland, USA, delivered a lecture on *Corneal diseases: Help from mouse models*. February 20, 2008

Dr Arun Singh, Director, Department of Ophthalmic Oncology, Cleveland, Ohio, USA, delivered a guest lecture on *Interactive lecture on tumors of the eye*. February 29, 2008

Dr Monty M Montoya, Sight Life, USA, and **Paul Prof J Dubord**, Chairman of the Board, Sight Life Eye Bank, Canada, delivered a guest lecture on *Recent findings of Top EBAA Eye Banks and Corneal transplantation respectively*. March 3, 2008

Mr Pradeep Krishnatray, social researcher, Centre for Research and Education (CREED), delivered a guest lecture on *Surviving the Trends*. March 5, 2008

Dr Torkel Snellingen, International Health, University of Tromso, Norway, delivered a lecture on *Innovations in user oriented health information management systems at the point of care*. March 8, 2008

LVPEI, Kismatpur, Hyderabad

On September 29, 2007, **Prof Barry Colin** and **Dr Robert Chappell** gave guest lectures at the Bausch and Lomb School of Optometry, Kismatpur. Prof Collin spoke on *age-related maculopathy*. Dr Chappell shared his experiences in the use of colour to help dyslexic children. Prof Barry Colin is former Dean of the School of Optometry, University of New South Wales, Australia. Dr Chappel is president of the World Council of Optometry

A guest lecture on 'Leprosy & Cataract' was given by **Dr Caleb** from Nigeria for the faculty of ICARE and the DCEH 2008 batch. February 5, 2008

LVPEI, Bhubaneswar

Prof Anand Swaroop, PhD, Harold F Falls Collegiate Professor of Ophthalmology & Visual Sciences, University of Michigan Kellogg Eye Centre, Ann Arbor, USA, delivered a guest lecture on *The promise of genetics for better management of retinal diseases*. August 20, 2007

Dr Eric E Sutter, PhD, from the Smith-Kettlewell Eye Research Institute, San Francisco, USA, delivered a guest lecture on *Multifocal Electrotoretinography*. September 1, 2007

Seminars & Workshops

LVPEI, Hyderabad

The LVP – Novartis Macula Center **Symposium on age related macular degeneration** was held on April 15, 2007.

A **writers' workshop** was held on May 21, 2007, to provide an opportunity for people working on scientific and academic papers to receive help with structure and language issues and polish their work. Eight researchers participated in the workshop, which was coordinated by Dr Usha Raman.

The **38th Indian Contact Lens Educators Program** (ICLEP) basic course was conducted from June 29 – July 2, 2007; 91 delegates participated.

The LVP – Novartis Macular Center **Age Related Macular Degeneration Symposium** was held on July 15, 2007; there were 10 participants.

The 16th annual meeting of the **Indian Eye Research Group**, held at LVPEI, Hyderabad, from July 28-29, 2007, was a huge success. Over 80 external delegates from various institutions in India attended the meeting. Dr Samuel Zigler Jr from John Hopkins University delivered the Bireswar Chakrabarti Memorial Oration.

LVPEI's second workshop on **Good Clinical Practice** was held on August 19, 2007; it was attended by 55 participants. The guest faculty was Dr Sauren Das from Excel Life Sciences, a site management organization for clinical research, who conducted the program. GCP training is a must for all those involved in research as investigators, co-investigators, study team optometrists or research coordinators. GCP certification is a prerequisite for starting research projects. The workshop provides participants guidelines for conducting clinical trials effectively; they also receive certificates and course material.

A **Hands-on Workshop on Visual Electrophysiology** was conducted at LVPEI, Hyderabad, from August 24-25, 2007, with 87 registered participants. The workshop included lectures, practicals and hands-on experience in visual electrophysiology.

The **XLV annual symposium of International Society for Clinical Electrophysiology of Vision** (ISCEV) was held in Hyderabad from August 25-29, 2007. A total of 237 participants interacted during the meeting, which was organized by LVPEI, Hyderabad. A total of 188 scientific delegates from 24 countries across 5 continents attended the scientific sessions. The program included high quality 55 oral presentations, 3 keynote addresses, 39 posters and an award lecture. The trade exhibition had 15 trade display counters of major international electrophysiology equipment manufacturers.

The inaugural of the main ISCEV symposium had a traditional Kuchipudi dance program, followed by a Bollywood filmi-style dance. The day-long intense scientific sessions were offset by fun and revelry in the evenings, including vignettes of Indian culture, tradition and cuisine. The ISCEV Olympics comprised the vigorous 'kho-kho', a high-pitched conch blowing competition, and sari (ladies) and dhoti (gentlemen) tying contests. A visit to the Ramoji Film City, the Golconda fort, Gandipet Lake, a 'holi' playing session and a dance ballet performance were other highlights. A grand gala dinner brought the curtain down on a very satisfying week of hard scientific sessions coupled with evenings full of warmth and fun.

The Eleventh **Dr C Syamala Bhaskaran Endowment Lecture** was held on September 24, 2007. This year's guest speaker Dr Baruch D Kuppermann, Professor, Department of Ophthalmology, University of California, USA, spoke on age-related macular degeneration. Dr Syamala Bhaskaran and Dr C S Bhaskaran, along with Dr G Chandrasekhar, presented the Oration Award to Prof Kuppermann.

An **ROP follow-up workshop supported by Sight Savers International** was held at LVPEI, Hyderabad, on November 30, 2007. Twenty delegates from centres that had undergone training at LVPEI and had set up services on Retinopathy of Prematurity, supported by the Sight Savers International ROP grant, were invited. The objectives of the workshop were: to review the experience and performance of these centres involved in ROP related services; understand the challenges faced in addressing ROP and possible solutions; and identify ways to scale up the ROP related work to reach the maximum population. The program was chaired by Dr Subhadra Jalali, LVPEI, and coordinated by experts including Prof Clare Gilbert, International Centre for Eye Health, London, UK, and consultant, SSI; Dr Mangat Dogra from PGIMER, Chandigarh; and Mr Pankaj Vishwakarma of Sight Savers International.

To mark the occasion a seminar '**Eye on the Future**', a comprehensive scientific symposium on eye health and eye disorders of children, was held on December 1-2, 2007. The international faculty included Dr Haroon Awan, Childhood Blindness in Pakistan, Sight Savers International, Pakistan; Dr Bronwyn Bateman, Director, Rocky Mountain Lions Eye Institute, Denver, USA; Dr Hannah Faal, Senior Eye Care Programme Consultant, West Africa, Sight Savers International, Ghana; Dr Clare Gilbert, Reader in International Centre for Eye Health (ICEH), London, UK; Dr John Lee, Moorfields Eye Hospital, UK; Dr Marilyn Miller, University of Illinois, Chicago, USA; Dr Ken Nischal, Great Ormond St. Hospital for Children, London, UK; Dr R Pararajasegaram, consultant for

Program for Blindness and Deafness, WHO, Sri Lanka; and Dr Abu Raihan, Country director, ORBIS International, Bangladesh.

A Live Surgical Workshop was conducted the day before, while the second day was dedicated to strabismus. The seminar was attended by 235 delegates, who found the program very useful and informative.

(See pictures on page 18)

A Hospital Based Program on Pediatric Ophthalmology and Strabismus was conducted at LVPEI, Hyderabad. Dr J Bronwyn Bateman (Professor, Department of Ophthalmology, University of Colorado) was the faculty for the program, which was attended by 38 delegates. December 3-7, 2007.

The 39th Indian Contact Lens Education Program (ICLEP) Basic and Advanced course was conducted from December 6-10, 2007. A total of 91 delegates participated – 120 for the basic and 70 for the advanced program.

The 2nd annual meeting of the Indian Association of Ophthalmic Pathology was held on December 15, 2007, at Patodia Auditorium, LVPEI, Hyderabad. The participants included pathologists, former cornea fellows and faculty, some delegates of Cutting Edge 2007 conference and fellows. The quality of histopathology sections/photography displayed during the talks were appreciated by everyone. A total of 91 delegates attended the meeting, in addition to 23 faculty and 20 fellows.

Cutting Edge 2007

Cutting Edge 2007, the joint annual meeting of the Oculoplastics Association of India (OPAI) and the Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS) was held at Hyderabad International Convention Centre, Hyderabad, December 13-16, 2007. Almost 500 delegates participated in the meeting.

LVPEI, Bhubaneswar

'Master Stroke' – Cataract Seminar

A seminar 'Master Stroke – Cataract' was organized at LVPEI Bhubaneswar on July 7, 2007, to discuss advanced phaco surgery in different situations. Led by Dr Abhay R Vasavada, the resource persons for the seminar were Dr S T Muralidhar, Dr N R Dhanuka, Dr Sujata Das and Dr Srikant K Sahu.

National Seminar on 'Vision for Children'

This year the International Agency for the Prevention of Blindness (IAPB) dedicated World Sight Day to 'Vision for Children'. The National Programme for the Control of Blindness (NPCB), Government of India, and VISION 2020: The Right to Sight – India commemorated World Sight Day 2007 by conducting a symposium on 'Vision for Children' on October 10, 2007.

Mrs Hema Malini, Brand Ambassador of VISION 2020: The Right to Sight – India, attended the last session and

The first such Asia Pacific meeting in India, it had the participation of every major ophthalmic plastic & reconstructive surgery society including the American Society of Ophthalmic Plastic & Reconstructive Surgery (ASOPRS), European Society of Ophthalmic Plastic & Reconstructive Surgery (ESOPRS), British Oculoplastic Surgery Society (BOPSS), and International Society of Ocular Oncology (ISOO). Attended by nearly 500 delegates, the meeting created an awareness of ophthalmic plastics and aesthetics in India and Asia at large. Every continent and major centre in ophthalmic plastics and aesthetics was represented, leading to a strong international faculty of 34 distinguished speakers and a national faculty of over 40 speakers. LVPEI faculty were involved in all aspects of the meeting.

Beginning with a pre-conference Thyroid Eye Disease Symposium and Live Surgery Session at LVPEI, the meeting had several unique features like 3-Dimensional Anatomy show, special symposia on Ophthalmic Pathology and Ocularistry, the Oculoplasty quiz, freeze framemphotography competition, and a video competition that provided unique education and entertainment! In addition to new scientific insights, the delegates carried back memories of nostalgic moments to cherish!

Public Education Fora

The Institute continues to conduct monthly Public Education Forums to create awareness and disseminate information to the members of the public. Each Forum focuses on an eye disease or service and details the treatment options, risk-benefit ratio, and suggestions for better eye health. Senior faculty of the subspecialty are on hand to address the concerns of the audience. The initiative draws enthusiastic participation from people from all walks of life. The Public Education Fora held during the year focused on cataract, diabetic retinopathy, refractive surgery, Botox, eye trauma, age-related macular degeneration, ocular prosthesis, and cosmetic surgery.

also interacted with the young staff of the institute. Over a 100 delegates from across the country comprising ophthalmologists, INGOs, NGOs and social workers in the eye care sector attended the seminar. Twenty resource persons from reputed eye institutions shared their expertise with the delegates. The seminar included lectures, panel discussion and a question and answer session. (See also page 29)

Retina Congress

The XII Retina Congress was organized at LVPEI Bhubaneswar, December 7-9, 2007, with Dr Soumyav Basu as the organizing secretary. The main aim of the congress was to create a platform for lively interactive discussion with national and international faculty. Forty delegates from different parts of the country took part in the congress, along with 14 national and international faculty. There were seven trade delegates.

LVPEI, Visakhapatnam

An **Eye Banking and Cornea Meet** was held on August 26, 2007. It was jointly organized by LVPEI along with the VEBART trust. The faculty included both external experts and our faculty from all campuses. Over 80 ophthalmologists attended the seminar from around Visakhapatnam.

The **Cataract & Cornea Seminar** organized from November 3-4, 2007, included guest faculty from Chennai, Ahmedabad, and from LVPEI. Over 80 delegates attended. This included didactic lectures, interactive sessions and practical wet lab sessions.



*Wet lab session at the Cataract & Cornea Seminar,
Visakhapatnam*

The guest faculty included Dr Srinivas K Rao, Chennai; Dr Prema Padmanabhan, Chennai; and Dr Abhay Vasavada, Ahmedabad. Among the LVPEI faculty were Dr VS Sangwan and Dr Pravin V Krishna from Hyderabad, Dr Sujata Das and Dr Srikant Sahu from Bhubaneswar, and the host faculty. A special point of attraction for the delegates was the small incision cataract surgery and phacoemulsification Wet Lab, held on the pre-conference day, November 2. The participants were very pleased with the hands-on skills imparted.

World Glaucoma Day

World Glaucoma Day was celebrated across all the three campuses of LVPEI on March 6, 2008. To commemorate the occasion, a Glaucoma Update was conducted from March 8-9, 2008, at LVPEI Visakhapatnam. The faculty for the program included Dr Ronnie George, Sankara Nethralaya, Chennai; Dr R Ramakrishnan, Aravind Eye Hospital, Tirunelveli; Dr C V Gopala Raju, Visakha Eye Hospital, Visakhapatnam; Dr G R Reddy, Sri Venkateswara Nethralaya, Thadepalligudem; as well as the senior faculty of L V Prasad Eye Institute's three campuses. The interactive seminar was conducted across all the three campuses via video-conference facility. A trade fair was also organized, where seven companies displayed their products.



Eye Research

Conference participation, publications, successful grant applications, and, of course, at the bottom of it all is the work that makes it all possible and the work that makes it worthwhile, in the clinics and in the laboratories of the institute. The research program at LVPEI continues to expand, with increasing emphasis on frontline areas of research such as regenerative medicine and nanotechnology, while continuing to look for answers from molecular genetics and biochemistry, and participating in multicentric clinical trials.

Prof Brien Holden Eye Research Centre

All research at L V Prasad Eye Institute is conducted through its constituent arm, the Hyderabad Eye Research Foundation (HERF), which is recognized by the Indian Government's Department of Scientific and Industrial Research (DSIR) as a Scientific and Industrial Research Organization (SIRO). HERF continues to compete for 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 Champalimaud Translational Centre (C-TRACER), the Jhaveri Microbiology Centre, the Saroja A Rao Immunology Laboratory, the Kallam Anji Reddy Molecular Genetics Laboratory, the Ophthalmic Pathology Laboratory, the Sudhakar and Sreekanth Ravi Stem Cell Biology Laboratory, and the clinical research laboratories. Each of these components has been named after its donor, in recognition of their generous support.

Support and recognition

Research at HERF has concentrated on the molecular and functional genetics of inherited and some age-related eye diseases, devising molecular diagnostics for early detection and to seek targets where effective intervention can occur, 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 formalized US – India eye research collaboration, several joint research projects have been initiated at HERF, jointly with researchers in the US. Likewise, collaborative research has been initiated with colleagues in Australia and Canada through the DBT-sponsored bilateral Indo-Australian and Indo-Canadian programs. In addition, 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 and corneal onlays.

The Institute is recognized as an external research centre by the University of Hyderabad, Hyderabad; Birla Institute of Technology & Science (BITS), Pilani; and the University of New South Wales, Sydney, Australia. This enables research scholars from LVPEI to register with, and obtain their Ph D degrees from these universities. Collaborative research has also been forged with colleagues at the Centre for Cellular & Molecular Biology (CCMB), Centre for DNA Fingerprinting & Diagnostics (CDFD), National Institute of Nutrition (NIN), and University of Hyderabad – all in Hyderabad, at the Indian Institute of Science, Bangalore, and the National Brain Research Centre, Manesar, Haryana and Indian Statistical Institute (ISI), Kolkata. These 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 multicenter clinical trials. Each clinical research project and trial goes through a rigorous examination by an independent Institutional Review Board (IRB), for its scientific and ethical aspects and only those that are approved are taken up.

Clinical research has also focused on 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 is the efficacy, pharmacodynamics and related features of ophthalmic drugs and antibiotics. Many of the studies are conducted in collaboration with leading pharmaceutical companies.

Champalimaud Translational Centre

The year's most significant event was the setting up of the Champalimaud Translational Centre for Eye Research at LVPEI in January 2008. The Champalimaud Foundation, based in Lisbon, Portugal, was set up on the bequest of the late Portuguese entrepreneur and philanthropist, António de Sommer Champalimaud. At the end of 2004 it was incorporated as the Anna de Sommer Champalimaud and Dr Carlos Montez Champalimaud Foundation, in honour of the benefactor's parents. The Foundation has a long-term commitment to support medical research, in particular neurology, oncology and vision sciences.

The Champalimaud Foundation and L V Prasad Eye Institute have agreed on the development of a vast program of translational research through the establishment of the Champalimaud Translational Centre for Eye Research or C-TRACER. C-TRACER will focus on the following areas:

- Research and therapy through the utilisation of stem cells in vision-related illnesses;
- Translational research utilising existing and novel clinical methodologies with the objective of furthering the knowledge of vision in ways that can be readily applied to patients;
- Exchange programs involving scientists chosen by LVPEI and the Champalimaud Foundation; and
- Introduction of capacity building programs for developing Lusophone countries such as Mozambique, Angola, Timor and others.

With the creation of C-TRACER, the Champalimaud Foundation will try to work towards the prevention, treatment and eradication of vision-related illness in India and some other parts of the world.

DBT Program Support Grant

Another important development this year has been the program support grant received from DBT, India, for the five-year period, 2007-2012. This is one of its kind in India, which has helped us equip the laboratories with a FACS machine, DNA sequencer, Real Time PCR and DNA workstation. Under this program, HERF will pursue programs in stem cell biology, genetics of retinal disorders, retinopathy of prematurity (ROP), and glaucoma and functional genomics.



Oral Mucosa Project

Investigators: Geeta K Vemuganti, Virender S Sangwan, Yashoda Ghanekar, M Indumathi, Lakshmi S Madhira, Subhash Gaddipati

Severe ocular surface disease is one of the common problems faced in clinical practice. However, though LVPEI has achieved success by using autologous cultivated limbal epithelial transplantation for unilateral limbal stem cell deficiency in more than 500 patients, the problem of allogenic cultivated limbal epithelial transplantation has not yet been resolved. The reason is because of the dependency on the cadaveric or live/related limbal epithelial transplantation, and the use of systemic immunosuppression to control the rejection process that is expected in view of transplantation of immunogenic limbal tissues. Since the corneal epithelium is a stratified squamous type of epithelium, autologous epithelial cells such as oral, conjunctival, nasal, oesophageal, rectal and vaginal epithelia, which have similar morphology, could be considered as an alternative to allogenous limbal transplants.

Of these, oral mucosa has attracted the attention of researchers since it is easily available and can be harvested without invasive surgery. Work done on the oral mucosal epithelium in recent years has shown it to be a feasible alternative for allogenous limbal transplants. Oral mucosal epithelium has been cultured on the human amniotic membrane with the help of feeder cells, characterized extensively and has been used to reconstruct ocular surface in rabbits as well as in humans with chemical injury and Stevens-Johnson Syndrome. Though long term results and absence of vascularization in the transplanted mucosa is still not documented, the application of oral-derived mucosa is a very promising application, especially for young patients affected with irreversible bilateral ocular surface damage. Using the same strategy that we used

to culture limbal cells in a feeder-cell free and xeno free technique, we established the technique of culturing the oral mucosa on denuded human amniotic membrane and characterized the cultured cells, in comparison with corneal and conjunctival epithelial cells.

The cells formed a monolayer within two weeks, showed morphology and phenotype similar to that of corneo-limbal and conjunctival cells.

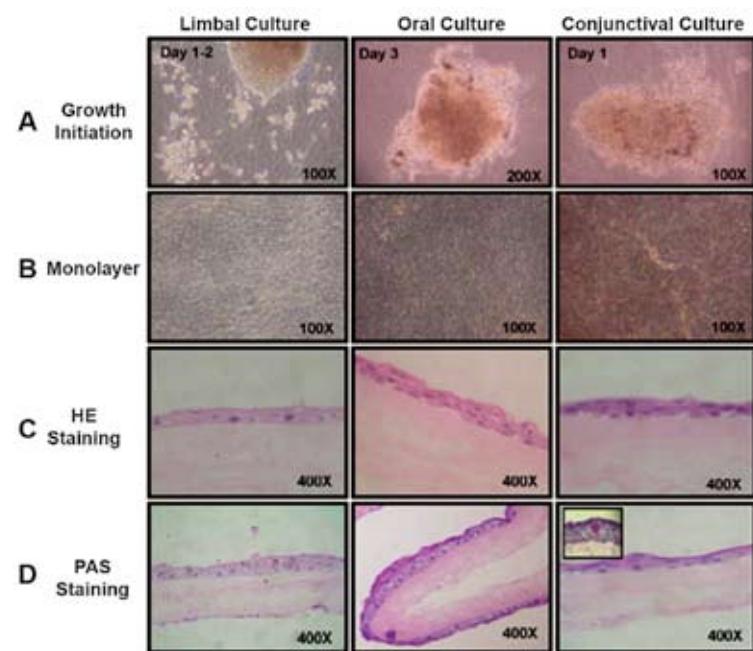


Figure 1: Growth initiation and morphological characteristics of limbal, oral and conjunctival cultures.

- A. Growth initiation from the three explant cultures
- B. Confluent cultures of limbal, oral and conjunctival cells
- C. Hematoxylin and eosin staining of sections of limbal, oral and conjunctival cultures
- D. PAS staining of the three explant cultures. The inset in conjunctival culture shows goblet cells detected in native conjunctival tissue.

Phase 2: Pilot Clinical Study: After completion of Phase 1, a pilot clinical study was undertaken in August 2007. We have recruited 10 patients till date. They were diagnosed as severe bilateral limbal stem cell deficiency secondary to chemical burns. The oral mucosa was harvested from these patients, which showed successful formation of epithelial sheet covering more than two-thirds of the human amniotic membrane. The interim results of this study reveal symptomatic relief in five of these 10 patients. The vision was status quo in nine patients and showed improvement in one case who underwent penetrating keratoplasty (figure 2). There were no complications noted at either the donor site or on ocular surface after transplantation.



Figure 2: The clinical picture of the patient with severe bilateral ocular surface disease before (a) and after undergoing cultivated oral mucosal epithelial transplantation followed by penetrating keratoplasty (b)

Other Significant Projects

Microbial keratitis caused by Non-tuberculous Mycobacteria: In vitro antibiotic susceptibility and treatment outcome

Investigators: Ashok K Reddy, Prashant Garg, K Hari Babu, Usha Gopinathan, Savitri Sharma

Support: Hyderabad Eye Research Foundation

Non-tuberculous mycobacterial (NTM) keratitis represents a persistent challenge in diagnosis and treatment. A review of literature clearly suggests amikacin to be the drug of choice for NTM keratitis. Recent reports suggest the use of fourth generation quinolones in the treatment of keratitis caused by this organism while others support the use of clarithromycin. The present study was undertaken to determine the best antibiotic in the treatment of NTM keratitis based on minimum inhibitory concentrations (MIC) and to correlate treatment outcome in cases from whom these organisms were isolated. Fifteen NTM isolated from corneal scrapings of keratitis patients from January 1999 through December 2007 were studied. All the isolates were sensitive to amikacin, azithromycin and clarithromycin but the MIC values of clarithromycin were lower than amikacin and azithromycin. Eight of the ten patients were treated with amikacin; all eight patients responded well to this therapy. Two patients were treated with amikacin and oral azithromycin. These two patients responded well with the combination therapy. Five patients were lost to follow up. Topical amikacin alone or in combination with clarithromycin is the best treatment option for NTM keratitis. Fluoroquinolones including fourth generation quinolone, gatifloxacin do not seem to be useful in the treatment of this disorder.

Involvement of CYP1B1 in POAG and PACG

Investigators: Subhabrata Chakrabarti, Kollu N Rao, Inderjeet Kaur, Rajul S Parikh, Anil K Mandal, Garudadri Chandrasekhar and Ravi Thomas

Support: Department of Biotechnology grant on 'Further molecular genetics of eye diseases'

CYP1B1 gene has been implicated as a major candidate gene in primary congenital glaucoma (PCG). Through an extensive screening of CYP1B1, it was demonstrated that the mutation spectrum in POAG and also in primary angle closure glaucoma (PACG) are quite similar to PCG. Interestingly, the glaucoma-associated CYP1B1 mutations in POAG and PACG occurred on a similar haplotype background as was seen earlier in PCG, which is indicative of their common origin. These results indicate the potential role of CYP1B1 in POAG and PACG that remains unexplored. Further details of this study are provided in *Invest Ophthalmol Vis Sci* 2007; 48: 5439-5444.

Evaluation of LOXL1 in primary and secondary glaucomas

Investigators: Subhabrata Chakrabarti, Kollu N Rao, Inderjeet Kaur, Ravi Thomas, Jeffrey M Liebmann, Syril Dorairaj and Robert Ritch

Support: Department of Biotechnology program support grant and Daniel Hebert Glaucoma Research Fund

Variations in the LOXL1 gene have been implicated in exfoliation syndrome (XFS) and exfoliation glaucoma (XFG). In order to further establish their specificity, we aimed to determine their possible involvement in primary (POAG and PACG) and secondary glaucomas comprising pigment dispersion syndrome (PDS) and pigmentary glaucoma (PG). There was no involvement of the LOXL1 SNPs in POAG, PACG, PDS and PG. The LOXL1 risk haplotype was observed in ~50% of the normal controls indicating their specific association to XFS/XFG. The detailed results of these two studies are available in *Invest Ophthalmol Vis Sci* 2008; 49: 2343-2347 and *Mol Vis* 2008; 14: 1254-1262.

Further genetics on AMD

Investigators: Inderjeet Kaur, Subhabrata Chakrabarti, Saritha Katta, Rajeev Reddy, Nazimul Hussain, Raja Narayan, Ajit B Majji, Annie Mathai

Support: Department of Biotechnology

Age-related macular degeneration (AMD) is a late-onset complex disorder with multifactorial etiologies. Genetic and environmental determinants along with their interactions play a key role in AMD pathogenesis. Earlier studies across diverse ethnic cohorts worldwide including ours, have implicated the CFH gene in AMD. We have now demonstrated the involvement of another gene ARMS2 based on genotype, haplotype and meta analysis. Jointly, the variants in ARMS2 and CFH exhibited a high population attributable risk percent that underscores their potential involvement in AMD susceptibility. Further details of this study are available in *Invest Ophthalmol Vis Sci* 2008; 49: 1771-1776.

Molecular genetic analysis of retinal dystrophies

Investigators: Chitra Kannabiran, Subhadra Jalali, Hardeep Singh, Maithili Dokuparthi

Support: Department of Biotechnology

Retinal dystrophies are a major cause of incurable blindness in the world. They are a group of heterogeneous disorders that involve the degeneration of retinal tissue. We have been studying retinitis pigmentosa (RP) and related disorders with a view to identifying the genes underlying these diseases. Knowledge of the causative genes should help in screening for risk prediction of relatives and for

possible future application or development of therapies. We have screened several families with recessive RP and have identified the causative genes in a few families. In addition, we are in the process of mapping disease genes in large families, candidate gene screening for the RPE65 gene and applying microarray-based screening to gene identification.

Sreekanth and Sudhakar Ravi Stem Cell Biology Laboratory & Champalimaud Foundation

Investigators: Geeta K Vemuganti, Virender S Sangwan, Santosh G Honavar, Yashoda Ghanekar, P Naresh, K Purushottam Reddy, Subhash Gaddipati, M Guru Prasad, Murali Mohan Sagar

Support: Department of Biotechnology, Council of Scientific and Industrial Research, Hyderabad Eye Research Foundation, Champalimaud Foundation

The team is continuing the clinical trials using cultivated limbal epithelium for severe ocular surface disease with successful outcome. The technique has been made totally xeno free with use of recombinant factors and autologous serum. To overcome the cost and side-effects of allogenic tissues for bilaterally affected patients, we initiated the use of autologous cultivated oral epithelium as a substitute for the limbal epithelium. The interim results show about 40% success with more of symptomatic relief to the patients. We identified and characterized for the first time, the presence of stromal cells in the limbus, the *in-vitro* and *in-vivo* potential of which is being evaluated. In another project the presence of cancer stem cells are being evaluated in retinoblastoma, the most common childhood eye tumor. Epigenetic changes in ocular surface squamous cell carcinoma have been identified which could be a potential marker for diagnosis and prognosis.

Molecular and functional analysis of the mutated proteins associated with congenital cataracts in children

Investigators: D Balasubramanian, Venu Talla, N Srinivasan (Indian Institute of Science, Bangalore)

Support: Department of Biotechnology, Council of Scientific & Industrial Research, India

Congenital cataracts in infants and young children are genetic in origin. Two cataracts have been studied and found to be associated with mutations in the gene for human gamma C-crystallin and human gamma D-crystallin, respectively. The mutations are W157X, meaning that the last 18 amino acid residues in the proteins are deleted. We cloned and expressed the normal (wild type) and the mutant genes in the bacterial system *E. coli* and purified the resultant proteins, and studied their structure in the solution state. We also modeled their structure using bioinformatic methods *in silico*. We find that deletion of the C-terminal tail portion of 18 amino acid residues leads to the exposure of nonpolar side chains (which are buried inside the

molecule in the wild type). This appears to cause self- or hetero-aggregation of the W157X mutant, suggesting a molecular basis for the cataract seen *in vivo* in the lens. As further proof of the idea, we tagged the relevant cDNAs of the wild type and W157X with the fluorescent tag GFP, and transfected them on to human lens cells and monitored them *in situ* using a confocal microscope. While the wild type molecule was seen to distribute itself uniformly across the cell, the mutant was seen to form light scattering aggregates. The detailed results are published in *Invest Ophthalmol Vis Sci* 2008; 49: 3483-3490, and an earlier paper also in *Invest Ophthalmol Vis Sci* 2006; 47: 5212- 5217.

Functional studies on mutants of optineurin, a gene associated with certain forms of glaucoma

Investigators: D Balasubramanian, Madhavilatha Chalasani, Ghanshyam Swarup (Centre for Cellular & Molecular Biology, Hyderabad)

Support: Department of Biotechnology, University Grants Commission, India, Champalimaud Foundation, Portugal

Mutations in the coding region of the optineurin gene (OPTN) are associated with certain glaucomas. Although the function of the optineurin protein is yet to be elucidated, the most common mutation, E50K, is associated with a severe phenotype. We have explored some functional features of optineurin and its mutants. Plasmids expressing normal or wild-type (WT) and E50K, R545Q, H26D, and H486R mutant optineurin were transfected into HeLa, Cos-1, IMR32, and the rat retinal ganglion cell (RGC) line RGC-5, and their effects on cell survival monitored by morphologic observation of cells were studied. Expression of optineurin and its mutants was monitored by immunofluorescence staining of cells and by Western blotting. The E50K mutant of optineurin selectively induced the death of retinal ganglion cells but not of the other cell lines tested. Although the expression of optineurin and E50K suppressed cell death induced by tumor necrosis factor-alpha in HeLa cells, they potentiated this cell death in retinal ganglion cells. Cell death induced by the optineurin mutant in retinal ganglion cells was inhibited by the antioxidants N-acetylcysteine and Trolox. Reactive oxygen species (ROS) were produced upon expression of E50K, which were reduced by antioxidants. Co-expression of manganese superoxide dismutase with the E50K mutant abolished ROS production and inhibited cell death. We note that the E50K mutation of optineurin has acquired the ability to induce cell death selectively in retinal ganglion cells. This cell death was mediated by oxidative stress. The present findings raise the possibility of antioxidant use for delaying or controlling some forms of glaucoma. Detailed results of this work are published in *Invest Ophthalmol Vis Sci* 2007; 48: 1607-1614; and also in *Exp Eye Res* 2008; 87: 1-2.

Basic research projects for the period April 1, 2007 – March 31, 2008

Name of the Project	Supported by	Project Investigators	Duration
Stem cell therapy for stroke in rat model	Department of Biotechnology	Dr Geeta K Vemuganti Dr Prakash Babu (University of Hyderabad)	2006-2009
Phenotypic & genotypic characterization of limbal stem cells, cultivated limbal epithelial cells and persistence of these characteristics after clinical transplantation	Department of Biotechnology	Dr Geeta K Vemuganti Prof D Balasubramanian Dr V S Sangwan	2006-2009
Transdifferentiation of bone marrow stem cell into neuronal cells	Department of Biotechnology	Dr Geeta K Vemuganti Dr Taraprasad Das	2004-2007
Further molecular genetic studies of some eye diseases affecting the Indian population	Department of Biotechnology	Dr Subhabrata Chakrabarti Dr Chitra Kannabiran	2005-2008
Characterization of cultivated oral mucosal epithelial cells and its application for reconstructing the ocular surface in patients with severe ocular surface disease	Department of Biotechnology	Dr Geeta K Vemuganti Dr Santosh G Honavar Dr V S Sangwan	2007-2009
Establishing a " Risk assessment chip " for the eye disease age-related macular degeneration	Department of Biotechnology	Dr Subhabrata Chakrabarti Dr Inderjeet Kaur	2007-2010
Programme Support on Translational Research on eye diseases	Department of Biotechnology	Project A: Dr Geeta K Vemuganti Project B: Dr Chitra Kannabiran Project C: Dr Inderjeet Kaur Project D: Dr Subhabrata Chakrabarti Project E: Prof D Balasubramanian	2007-2012
Role of human papilloma virus, proliferative markers and p53 in the genesis & prognosis of ocular surface squamous neoplasia	Indian Council of Medical Research	Dr Geeta K Vemuganti Dr Chitra Kannabiran Dr Santosh G Honavar	2005-2007
Proteome and genetic analysis of age-related macular degeneration (ARMD) patients	DST-India Japan Collaborative Scheme	Prof D Balasubramanian Dr Inderjeet Kaur	2005-2008
Genetic evaluation of factor B and complement component C2 in the susceptibility to age related macular degeneration	DST-India Japan Collaborative Scheme	Dr Inderjeet Kaur	2007-2010
Molecular studies on hereditary cataracts	Council of Scientific & Industrial Research	Dr Chitra Kannabiran	2007-2010
C TRACER	Champalimaud Foundation	All at HERF, LVPEI	2007-2012

DST: Department of Science and Technology, Government of India

HERF: Hyderabad Eye Research Foundation, LVPEI

Clinical research projects for the period April 1, 2007 – March 31, 2008

Name of the Project	Supported by	Project Investigators	Duration
Protein Kinase C β Inhibitor - reduction in the occurrence of center- threatening diabetic macular edema B7A-MC-MBDL	Eli Lily & Co.	Dr Subhadra Jalali	2005 - 2009
A phase2/3 randomised controlled double masked multi center comparitive trial in parallel groups to compare the safety and efficacy of intravitreous injections of 0.3mg pegaptanib sodium (Macugen) given as often as every 6 weeks for 2 years, to sham injections in subjects with Diabetic Macular Edema (DME) involving the center of the macula	Pfizer	Dr Subhadra Jalali	2006 - 2009
A study to evaluate the clinical and microbial efficacy of 0.6% ISV-403 compared to VIGAMOX in the treatment of baterial conjunctivitis	Bausch & Lomb	Dr Prashant Garg	March 2007- Sep 2007
Micro current stimulation for retinitis pigmentosa 650 Device pilot study	ScyFix	Dr Subhadra Jalali	2007 - 2010
Posurdex study for DME	Allergan India Pvt. Ltd	Dr Ajit Babu Majji	2006 - 2010
Posurdex study for BRVO	Allergan India Pvt. Ltd	Dr Annie Mathai	2006 - 2008
Posurdex study for intermediate uveitis	Allergan India Pvt. Ltd	Dr V S Sangwan	2006 - 2008
Role of recombinant human epithelial growth factor in corneal epithelial defects	Bharath BioTech	Dr V S Sangwan	2007 - 2008
Comparative, randomized, open trial on the anti-inflammatory efficacy of diclofenac released from an intra ocular lens versus administration of 0.1% diclofenac eye-drops in the prevention of post operative inflammatory manifestations after cataract surgery – Ancillary study: 1 year follow-up of the safety	IOL Tech Carl Zeiss MediTec	Dr V S Sangwan	2006 -2009
A natural history study and genetic study of macular telangiectasia - the Mactel Study	MacTel Foundation	Dr Raja Narayanan	2006 - 2011
LUMINATE uveitis study (LX211-01-UV)	LUX Biosciences	Dr Somasheila Murthy	2007 - 2008
LUMINATE Active uveitis study (LX211-02-UV)	LUX Biosciences	Dr Somasheila Murthy	2007 - 2008
LUMINATE Active uveitis study (LX211-03-UV)	LUX Biosciences	Dr Somasheila Murthy	2007 - 2008
A multi-center, placebo-controlled, randomized, parallel-group dose-ranging study to assess the efficacy and safety of LX201 for prevention of corneal allograft rejection episodes and graft failure following penetrating keratoplasty with LX201 implantation in subjects who are at increased immunological risk.	LUX Biosciences	Dr V S Sangwan	2008 - 2012
A multi-center, placebo-controlled, randomized, parallel-group dose-ranging study to assess the efficacy and safety of LX201 for prevention of corneal allograft rejection episodes and graft failure following penetrating keratoplasty with LX201 implantation in subjects who have experienced one or more rejection episodes following penetrating keratoplasty.	LUX Biosciences	Dr V S Sangwan	2008 - 2012
Comparative study of the safety and effectiveness between trabeculectomy with trabeculectomy with OculusGenTM Collagen Matrix Implant	OculusGen	Dr A K Mandal	2007 - 2009
Comparative study of the safety and effectiveness between OculusGenTM Collagen Matrix Implant and Mitomycin -C in Glaucoma Filtering Surgery	OculusGen	Dr G Chandrasekar Dr BL Harsha	2007 - 2009

Operations Research
International Centre for Advancement of Rural Eye care (ICARE)

Name of the Project	Principal Investigator	Supported by	Duration
Capacity building program for the management of diabetic retinopathy in the state of Andhra Pradesh	Dr Taraprasad Das Dr Annie Mathai	Lions Club International Foundation	August 2005 to July 2008
Comprehensive Eye Health program in Prakasam district	ICARE team	Ravi Brothers, USA	August 2005 to July 2010
Diabetes prevention program through Child to Family Communication for change in lifestyle and health promotion in Prakasam district	Ms S Sheeladevi	World Diabetes Foundation	August 2006 to March 2011
Providing Eyecare through Empowered People (PEEP)	Mr Shubhrakanti Bhattacharya	ORBIS International, India	June 2004 to December 2007
Child to Child and Child to Family communication as a strategy to improve awareness and uptake of eye care services	Mr D Kiran	Vision CRC, Australia	April 2006 to December 2008
Vision Centres for offering primary eye care services in rural Andhra Pradesh	Mr Kovai Vilas	Lavelle Fund for the Blind, USA, and Latter-day Saint Charities	July 2003 to December 2008
Impact Assessment Study after refraction error correction among schoolgoing children	Mr Jachin D Williams	Vision CRC, Australia	September 2005 to December 2008
Sight for Kids	Mr Jachin D Williams	Lions Club International Foundation	November 2005 to March 2009
Rapid assessment of cataract surgical services in Service Centre areas	Mr M Srinivas	LVPEI	At regular intervals
Pediatric Ophthalmology Learning and Training Centre (POLTC)	Dr Ramesh Murthy	ORBIS International, India	October 2006 to March 2010

Research scholars at the Prof Brien Holden Eye Research Centre

Kallam Anji Reddy Molecular Genetics Laboratory

S V V Kalyan Chakravarthi, Hardeep Pal Singh, Surya Prakash Goud P, Saritha Katta, Vidya Parsam, Nageswara Rao, Ganeswara Rao

Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory

K Purushotham Reddy, Naresh Polisetti, Murali Mohan Sagar B, Subhash Gaddipati

Biochemistry Laboratory

Talla Venu, Madhavi Latha Chalasani, Venkata Pulla Rao

Ophthalmic Pathology Laboratory

M Guru Prasad

Students who completed their PhDs during this period

Afia Sultana, University of Hyderabad

Publications

1. Aggarwal E, **Naik MN, Honavar SG**. Effectiveness of the gold weight trial procedure in predicting the ideal weight for lid loading in facial palsy: A prospective study. *Am J Ophthalmol* 2007; 143: 1009-12
2. Cao Z, Saravanan C, Goldstein MH, Wu HK, Pasricha G, **Sharma S**, Panjwani N. Effect of human tears on *Acanthamoeba*-induced cytopathic effect. *Arch Ophthalmol* 2008; 126: 348-52
3. **Chakrabarti S**, Devi KR, Komatireddy S, **Kaur K, Parikh RS, Mandal AK, Chandrasekhar G**, Thomas R. Glaucoma-associated CYP1B1 mutations share similar haplotype backgrounds in POAG and PACG phenotypes. *Invest Ophthalmol Vis Sci* 2007; 48: 5439-44
4. **Chalasani ML**, Radha V, Gupta V, Agarwal N, **Balasubramanian D**, Swarup G. A glaucoma-associated mutant of optineurin selectively induces death of retinal ganglion cells which is inhibited by antioxidants. *Invest Ophthalmol Vis Sci* 2007; 48: 1607-14
5. **Chaurasia S, Das S, Ramamurthy B**. Microbial keratitis in a case of lamellar ichthyosis. *Int Ophthalmol*, Epub Sept 2007
6. Cochereau I, Meddeb-Ouertani A, Khairallah M, Amraoui A, Zaghloul K, Pop M, Delval L, Pouliquen P, Tandon R, **Garg P**, Goldschmidt P, Bourcier T. 3-day treatment with azithromycin 1.5% eye drops versus 7-day treatment with tobramycin 0.3% for purulent bacterial conjunctivitis: multicentre, randomized and controlled trial in adults and children. *Br J Ophthalmol* 2007; 91: 465-9
7. **Das S**, Whiting M, Taylor HR. Corneal wound dehiscence after penetrating keratoplasty. *Cornea* 2007; 26: 526-9
8. **Das S**, Constantinou M, Ong T, Taylor HR. Microbial Keratitis following corneal transplantation. *Clin Experiment Ophthalmol* 2007; 35: 427-31
9. **Das S**, Sheorey H, Taylor HR, Vajpayee RB. Association between cultures of contact lens and corneal scraping in contact lens related microbial keratitis. *Arch Ophthalmol* 2007; 125: 1182-5
10. **Das S**, Patil MD, **Garg P**. Traumatic fracture of posterior chamber intraocular lens. *J Cataract Refract Surg* 2007; 33: 2151-2
11. **Das S**, Dua N, **Ramamurthy B**. Deep lamellar keratoplasty in keratoconus with healed hydrops. *Cornea* 2007; 26: 1156-7
12. **Das S**, Seitz B. Recurrent corneal erosion syndrome. *Surv Ophthalmol* 2008; 53: 3-15
13. **Das S, Ramamurthy B, Sangwan VS**. Fungal keratitis following amniotic membrane transplantation. *Int Ophthalmol*, Epub Nov 2007
14. Dawson ELM, **Murthy R**, Lee J. Does Botulinum toxin have a role in the treatment of Oscillopsia? *Neuro-Ophthalmology* 2007; 31: 73-8
15. Duggirala A, Kenchappa P, **Sharma S**, Peters J, Ahmed N, **Garg P, Das T**, Hasnain SE. High resolution genome profiling differentiated *Staphylococcus epidermidis* isolated from patients with ocular infections and normal individual. *Invest Ophthalmol Vis Sci* 2007; 48: 3239-45
16. **Fernandes M, Vemuganti GK, Rao GN**. Bilateral periocular psoriasis: an initial manifestation of acute generalized pustular psoriasis with co-existent Sjogren's syndrome. *Clin Experiment Ophthalmol* 2007; 35: 763-6
17. Gilliland KO, Johnsen S, Metlapally S, Costello MJ, **Ramamurthy B, Krishna PV, Balasubramanian D**. Mie light scattering calculations for an Indian age-related nuclear cataract with a high density of multilamellar bodies. *Mol Vis* 2008; 14: 572-82
18. Gunvant P, Zheng Y, Esock EA, **Parikh RS**, Prabakaran S, Babu JG, **Shekar GC**, Thomas R. Application of shape-based analysis methods to OCT retinal nerve fiber layer data in glaucoma. *J Glaucoma* 2007; 16: 543-8
19. **Hussain N, Mohan Ram LS**. Optical coherence tomographic features of unilateral macular coloboma. *Indian J Ophthalmol* 2007; 55: 321-2
20. **Hussain N, Khanna R**, Mathur A, **Hussain A**. Measurement of greatest linear diameter for choroidal neovascular membrane using optical coherence tomography. *Am J Ophthalmol* 2007; 143: 1038-40
21. **Hussain N, Ghanekar Y, Kaur I**. The future implications and indications of anti-vascular endothelial growth factor therapy in ophthalmic practice. *Indian J Ophthalmol* 2007; 55: 445-50
22. **Hussain N, Khanna R, Hussain A**. Trend of retinal diseases in developing countries. *Expert Review of Ophthalmology* 2008, 3: 43-50
23. Jain V, **Garg P, Sharma S**. Microbial scleritis: Experience from a developing country. *Eye* 2008(Jan); Epub ahead of print
24. **Jalali S**, Kolari RS, **Pathengay A**, Athmanathan S. Severe hemorrhagic retinopathy as initial manifestation of acute retinal necrosis caused by herpes simplex virus. *Indian J Ophthalmol* 2007; 55: 308-10
25. **Jalali S**, Kondo M, **Narayanan R, Kannabiran C**, McCulloch DL. Share, learn and get together: information and knowledge interactions at the XLV International Symposium of ISCEV at Hyderabad - India, August 25-29, 2007. *Doc Ophthalmol* 2007; 115:1-2
26. Johar SR, Vasavada AR, Praveen MR, Pandita D, Nihalani B, Patel U, **Vemuganti G**. Histomorphological and immunofluorescence evaluation of bimanual and coaxial phacoemulsification incisions in rabbits. *J Cataract Refract Surg* 2008; 34: 670-6
27. **Kaur I, Ghanekar Y, Chakrabarti S**. Understanding the genetics of age-related macular degeneration: some insights into the disease pathogenesis. *Int J Hum Genet* 2008; 8: 161-9

28. **Khanna R, Raman U, Rao GN.** Blindness and poverty in India: the way forward. *Clin Exp Optom* 2007; 90: 6: 406-14
29. **Khanna R.** What do you mean by 'Eye Care Management?' *IAPB News edition* no 54, January 2008, 7-8
30. **Krishnaiah S, Das TP, Nirmalan PK, Shamanna BR, Nutheti R, Rao GN,** Thomas R. Risk factors for diabetic retinopathy: Findings from the Andhra Pradesh Eye Disease Study. *Clinical Ophthalmology* 2007; 1: 1-8
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34. **Mandal AK,** Chakrabarti D. Surgical management of primary developmental glaucomas. *Journal of Ophthalmology in Developing Countries by Journal of Ophthalmological Society of West Bengal* 2007; 1: 53-63
35. **Mathai A, Sangwan VS, Pathengay A.** Acute postoperative multidrug-resistant *Pseudomonas aeruginosa* endophthalmitis treated with intravitreal Piperacillin/Tazobactam. *Asian J Ophthalmol* 2007; 9: 185-7
36. Metlapally S, Costello MJ, Gilliland KO, **Ramamurthy B, Krishna PV, Balasubramanian D,** Johnsen S. Analysis of nuclear fiber cell cytoplasmic texture in advance cataractous lenses from Indian subjects using Debye - Bueche theory. *Exp Eye Res* 2008; 86: 434-44
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38. **Murthy R,** Dawson E, Khan S, Adams G, Lee J. Botulinum toxin in the management of internuclear ophthalmoplegia. *Journal of AAPOS* 2007; 11: 456-9
39. **Murthy R.** Unilateral restrictive ophthalmoplegia and enophthalmos associated with an intraorbital tissue band. *Journal of AAPOS* 2007; 11: 626-7
40. **Murthy R.** Inverse Duane's syndrome following myocysticercosis. *Indian J Ophthalmol* 2008; 56: 89-90
41. **Murthy R, Honavar SG, Vemuganti GK, Naik MN,** Reddy VP. Systemic metastasis following hyphema drainage in an unsuspected retinoblastoma. *J Pediatr Ophthalmol Strabismus* 2007; 44 : 120-3
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44. **Naik MN,** Mittal R, **Murthy RK, Honavar SG.** Prevention of exposure of porous orbital implants following enucleation. *Am J Ophthalmol* 2007; 144: 161-2
45. **Naik MN, Honavar SG, Bhaduri A,** Linberg JV. Congenital horizontal tarsal kink: a single-center experience with 6 cases. *Ophthalmology* 2007; 114: 1564-8
46. **Naik MN, Murthy RK, Honavar SG.** Comparison of vascularization of medpor and medpor-plus orbital implant: A prospective randomized study. *Ophthal Plast Reconstr Surg* 2007; 23: 463-7
47. **Naik MN, Kelapure A, Rath S, Honavar SG.** Management of canicular lacerations: epidemiological aspects and experience with Mini-Monoka monicanalicular stent. *Am J Ophthalmol* 2008; 145: 375-80
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50. **Parikh R, Mathai A,** Parikh S, **Chandra Sekhar G,** Thomas R. Understanding and using sensitivity, specificity and predictive values. *Indian J Ophthalmol* 2008; 56: 45-50
51. **Polisetty N, Fatima A, Madhira SL, Sangwan VS, Vemuganti GK.** Mesenchymal cells from limbal stroma of human eye. *Mol Vis* 2008; 14: 431-42
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53. **Raizada K, Honavar SG, Murthy R, Naik MN, Raizada D.** Enucleation and orbital implants: Current practices and recent trends. *International Journal of Anaplastology* 2007; 1: 30-6
54. **Raizada K,** Shome D, **Honavar SG.** Management of an irradiated anophthalmic socket following dermis-fat graft rejection: A case report. *Indian J Ophthalmol* 2008; 56: 147-8
55. Raju B, Bali T, Thiagarajan G, Rao V, **Das T, Sharma S.** Physicochemical properties and antibacterial activity of the precipitate of vancomycin and ceftazidime: Implications in the management of endophthalmitis. *Retina* 2008; 28: 320-5

56. **Ramamurthy BS, Sachdeva V, Mandal AK, Vemuganti GK, Garg P, Sangwan VS.** Coexistent congenital hereditary endothelial dystrophy and congenital glaucoma. *Cornea* 2007; 26: 647-9
57. **Sangwan VS, Burman S, Tejwani S, Mahesh SP, Murthy R.** Amniotic membrane transplantation: A review of current indications in the management of ophthalmic disorders. *Ind J Ophthalmol* 2007; 55: 251-60
58. Shome D, **Honavar SG**, Reddy VA, **Vemuganti GK**. Orbital embryonal Rhabdomyosarcoma in association with Neurofibromatosis Type 1. *Ophthal Plast Reconstr Surg* 2007; 23: 147-8
59. Shome D, **Honavar SG**, Gupta P, **Vemuganti GK**, Reddy PV. Metastasis to the eye and orbit from renal cell carcinoma-a report of three cases and review of literature. *Surv Ophthalmol* 2007; 52: 213-23
60. Shome D, Toshniwal S, Jain V, Natarajan S, **Vemuganti GK**. Isolated upper eyelid retraction: A sign of idiopathic inflammatory orbital disease. *Ophthal Plast Reconstr Surg* 2008; 24: 58-60
61. Singh TH, **Pathengay A, Das T, Sharma S.** Enterobacter endophthalmitis: treatment with intravitreal tazobactam-piperacillin. *Indian J Ophthalmol* 2007; 55: 482-3
62. **Srinivas M**, Keefe J, **Khanna R, Rao GN**. Rapid assessment methods in eye care and their use in assessing refractive errors. *J Comm Eye Health* 2007; 20: 95-97, Indian supplement
63. **Sultana A, Garg P, Ramamurthy B, Vemuganti GK, Kannabiran C.** Mutational spectrum of the SLC4A11 gene in autosomal recessive congenital hereditary endothelial dystrophy. *Mol Vis* 2007; 13:1327-32
64. Sweeney DF, Vannas A, Hughes TC, Evans MD, McLean KM, Xie RZ, **Pravin VK**, Prakasam RK. Synthetic corneal inlays. *Clin Exp Optom* 2008; 91: 56-66
65. Taneja N, **Mathai A**. Optical coherence tomography in patients with decreased visual acuity after successful surgery for proliferative vitreoretinopathy. *Archives Ophthalmol* 2007; 125: 855
66. Thomas R, **Sekhar GC, Parikh R**. Primary angle closure glaucoma: a developing world perspective. *Clin Experiment Ophthalmol* 2007; 35: 374-8
67. Thomas R, **Chakrabarti S, Parikh RS**. Update on glaucoma in India. *Ophthalmology International* 2007: 63-9
68. Tielsch JM, Rahmathullah L, Katz J, Thulasiraj RD, Coles C, **Sheeladevi S**, Prakash K. Newborn vitamin A dosing reduces case fatality but not incidence of common childhood morbidities in south India. *J Nutr* 2007; 137: 2470-4
69. Tielsch JM, Rahmathullah L, Katz J, Thulasiraj RD, Coles C, **Sheeladevi S**, Prakash K. Maternal night blindness during pregnancy is associated with low birth weight, morbidity and poor growth in south India. *J Nutr* 2008; 138: 787-92
70. **Vemuganti GK, Kannabiran C**. Gene expression signatures in stem cells – lessons for therapy. *International Journal of Human Genetics* 2007; 7: 83-9
71. **Vemuganti GK, Sangwan VS, Rao GN**. The promise of stem cell therapy for eye disorders. *Clin Exp Optom* 2007; 90: 315-6
72. **Vilas K, Krishnaiah S, Shamanna BR, Thomas R, Rao GN**. Barriers to accessing eye care services among visually impaired populations in rural Andhra Pradesh, south India. *Indian J Ophthalmol* 2007; 55: 365-71

Presentations

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

D Balasubramanian

International

President

Meeting of various National Academies of Sciences and International Human Rights Group, Indian Academy of Science, Colombo, Sri Lanka. April 4-5, 2007

Meeting of postgraduate committee of Vision CRC, UNSW School of Optometry, Sydney, Australia. April 9-14, 2007

Association for Research in Vision and Ophthalmology (ARVO) annual meeting and meeting at National Eye Institute, Fort Lauderdale, Bethesda, Maryland, USA. May 6-15, 2007

Secretary General

Third World Academy of Sciences Officers Meeting, Trieste, Italy. May 16-20, 2007

Panelist

Meeting with research group of Dr Makato Tamai in the area of gene delivery in retinitis pigmentosa, Sendai, Japan.

June 5, 2007

Panel discussion and networking in the region in the area of stem cells, 'Nature' magazine, Tokyo, Japan. June 6, 2007

President, Indian Academy of Sciences

Launching ceremony of 'Mauritius Academy of Science and Technology' (MAST), Mauritius. July 20-21, 2007

Secretary General

Meeting of Third World Academy of Sciences Executive Committee, The College de France, Paris. September 5-6, 2007

Guest lecture

University of Delaware, National Institutes of Health, Bethesda, MD, USA. October 11-14, 2007

Invited speaker

Seminar, University of Medicine and Dentists at New Jersey, New Brunswick, NJ, USA. October 15, 2007

Seminar, University of Pennsylvania, Philadelphia, PA, USA. October 16, 2007

Co-Chair

National Institutes of Health (NIH) and Association for Research in Vision and Ophthalmology (ARVO) meeting of the US-India Eye Research Joint Working Group, Bethesda, MD, USA. October 17-19, 2007

Secretary General

18th General meeting, Third World Academy of Sciences, Trieste, Italy. November 11-14, 2007

Third World Academy of Sciences, Trieste, Italy. January 25-26, 2008

Member, IBSP

UNESCO, International Basic Sciences Program meeting, Paris. March 17-18, 2008

Member

Post Graduate Committee meeting, Vision CRC, Sydney, Australia. March 24-28, 2008

National

Chairman

Task Force Meeting, Department of Biotechnology (DBT), Government of India, New Delhi. April 17-18, 2007

Executive Committee meeting, Society of Biological Chemists of India, Bangalore. April 21, 2007

Member

Governing Council Meeting of CMC - DBT for Stem Cell Research at DBT, New Delhi. May 21, 2007

Member, Scientific Advisory Committee

Scientific Advisory Committee Meeting, Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Tata Memorial Centre, Mumbai. May 30, 2007

Chairman

Progress meeting of the NMITLI Project on the Eye Infection Chip, Council of Scientific & Industrial Research, Bangalore. June 11, 2007

Research Advisory Committee meeting, Manovikas Biomedical Research & Diagnostic Centre, Manovikas Kendra, Kolkata. July 5, 2007

President

18th Mid-year meeting, Indian Academy of Sciences, Bangalore. July 13-14, 2007

Chairman

2nd meeting of Institutional Committee for Stem Cell Research & Training of Reliance Life Sciences Pvt. Ltd., Mumbai. July 18, 2007

Member

Research Area Panels Scientific Advisory Committee Meeting, Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad. July 24-25, 2007

16th Annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 28-29, 2007

Chairman

39th Research Council Meeting, National Chemical Laboratory, Pune. July 31 – August 1, 2007

Task Force Meeting on Stem Cell Research and Regenerative Medicine, Department of Biotechnology, Government of India, New Delhi. August 13-14, 2007

Member

Research Advisory Committee Meeting, Blue Peter Research Centre, Hyderabad. August 16, 2007

Invited speaker

International Symposium on Trends in Human Genetics, Department of Biotechnology, Government of India, Puri. August 20-22, 2007

5th Training program, Department of Science & Technology, National Institute of Advanced Studies, Bangalore. August 23, 2007

XLV International Society for Clinical Electrophysiology of Vision (ISCEV) Symposium, LVPEI, Hyderabad. August 25-29, 2007

Special lecture, Indian Institute of Science Education & Research, Pune. August 28-29, 2007

International Symposium on 'Light and Life', University of Hyderabad, Hyderabad. August 31, 2007

Co-Chairman

Meeting of the Joint Working Group, US-India Collaborative Program on Eye Research between National Institutes of Health (USA) and Department of Biotechnology (India), Government of India, New Delhi. September 10, 2007

Invited speaker

V G Kulkarni Memorial Lecture, National Conference on Science Education, Bhabha Atomic Research Centre, Mumbai. September 13, 2007

Task Force Meeting on Human Genetics and Genome Analysis, Department of Biotechnology, Government of India, New Delhi. September 17, 2007

V Lakshmi Narayana Centenary Oration Lecture, Centenary Oration Lecture, Birla Institute of Technology and Science, Pilani. September 18, 2007

Chairman

18th Life Science Research Board Meeting, Defence Research and Development Organization, New Delhi. September 19, 2007

Attended

58th International Astronautical Congress 2007, Indian Astronautical Association (IAA), Hyderabad. September 24, 2007

Member

Standing Committee meeting of Emeritus Scientists and one-time grant research committee at Human Resource Development Group, Council of Scientific and Industrial Research, New Delhi. October 6, 2007

President

73rd Annual meeting, Indian Academy of Sciences, Thiruvananthapuram. November 1-4, 2007

Plenary Lecture

Society of Biological Chemists India, Tirupati. November 25-27, 2007

Member, Research Advisory Committee

Institutional Biosafety Committee meeting, Blue Peter Research Centre, Charlapalli, Hyderabad. November 30, 2007

President

Council meeting, Indian Academy of Sciences, Bangalore. December 1-2, 2007

Chairman

7th Meeting of Task Force on Stem Cell Research and Regenerative Medicine, Department of Biotechnology, Government of India, New Delhi. December 4-5, 2007

Member

6th Program Advisory Committee Meeting, Centre for Excellence in Biology, Department of Biotechnology, Government of India, New Delhi. December 10, 2007

Session Chair

Indo-French conference on RNAi in Genome Control, Centre for Cellular and Molecular Biology, Hyderabad. December 14, 2007

Guest of Honor

Investiture Ceremony of Biju Patnaik Award, Orissa Bigyan Academy, Science and Technology Department, Government of Orissa, Bhubaneswar. December 15, 2007

Session Chair

International conference on Bioinformatics and Drug Discovery, University of Hyderabad, Hyderabad. December 21, 2007

Plenary lecture

95th session of Indian Science Congress, Andhra University, Visakhapatnam. January 7, 2008

Invited speaker

Meeting of the Action Plan – XI Plan policies and strategies, University Grants Commission, New Delhi. January 15, 2008

Chairman – Evaluation Committee

DST Evaluation Committee meeting for selecting agencies/ NGOs/State S & T Councils, Centre for Cellular and Molecular Biology, Hyderabad. January 17, 2008

Chairman

National Advisory Group meeting, Asia ARVO 2009, Bangalore. February 2, 2008

Chair the Session

Bio Asia 2008 – The Global Bio Business Forum, Hyderabad. February 7, 2008

Chairman

Life Science Research Board – DRDO, XIX meeting of LSRB, New Delhi. February 19, 2008

Board member

Meeting, Institute of Life Sciences, Hyderabad. March 4, 2008

Chairman

New Millennium Indian Technology Leadership Initiative (NMITLI) meeting, Bangalore. March 11, 2008

Valedictory address

'Year of Planet Earth', National seminar on 'Living organisms in Changing Environment on Artificial life', Centre for Plant Molecular Biology, Osmania University, Hyderabad. March 15, 2008

Chairman

National Chemical Laboratory (NCL) Research Foundation meeting, Pune. March 20, 2008

Soumyava Basu

National

Free paper presentation

Eastern India Zonal Ophthalmic Congress, Dhanbad, Bihar. November 3-4, 2007

Free paper presentation/ Faculty

XII Retina Congress, LVPEI, Bhubaneswar. December 7-9, 2007

Free paper presentation

Orissa State Ophthalmological Society, Paradip, Orissa. December 15-16, 2007

Padhmavathi Bhashyaranagan

National

Faculty

National workshop, Thakur Hari Prasad Institute of Research and Rehabilitation for the Mentally Handicapped, Hyderabad. April 7, 2007

17th Low Vision Awareness Program, LVPEI, Hyderabad. April 27-29, 2007

18th Low Vision Awareness Program, LVPEI, Hyderabad. September 28-30, 2007

S Bhattacharya**National****Invited speaker/ Poster presentation**

16th Annual Meeting of Indian Eye Research Group, L V Prasad Eye Institute, Hyderabad. July 28-29, 2007

Poster presentation

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Subhabrata Chakrabarti**International****Invited speaker/Co-Chairman, Poster committee/Poster presentation**

World Glaucoma Congress, Singapore. July 18-21, 2007

Instruction course, 'Glaucoma in Asia' symposium, World Glaucoma Congress, Singapore. July 18-21, 2007

Invited speaker

Hamilton Glaucoma Center, University of California, San Diego, USA. March 18, 2008

Shiley Eye Institute, University of California, San Diego, USA. March 20, 2008

Jules Stein Eye Institute, University of California, Los Angeles, USA. March 21, 2008

National**Plenary lecture**

National seminar, Mahatma Gandhi National Institute of Research for Social Action, Hyderabad. October 26-28, 2007

Organizer/Speaker

First strategic meeting of Indo-Australian Biotechnology Fund, Hyderabad. October 29-31, 2007

Invited speaker

Annual conference of Indian Society of Human Genetics, Andhra University, Visakhapatnam. February 11-13, 2008

Participant

Face to Face – Young Scientists meeting with Minister of Science & Technology, Indian National Science Academy, New Delhi. March 15, 2008

Beula Christy**National****Faculty**

17th Low Vision Awareness Program, LVPEI, Hyderabad. April 27-29, 2007

Eye to Eye 2007, An Interaction with the Friends of LVPEI, LVPEI, Hyderabad. June 24, 2007

18th Low Vision Awareness Program, LVPEI, Hyderabad. September 28-30, 2007

Guest lecture

Family Training program on Sensory Impairment, National Institute for the Mentally Handicapped, Hyderabad. November 17, 2007

Faculty

'Eye on the Future', International symposium on 'Eye Health and Eye Disorders of Children', LVPEI, Hyderabad. December 1-2, 2007

Invited analyst

CBR evaluation, Pune school for the Blind and Aged, Pune. December 20-22, 2007

Taraprasad Das**International****Poster presentation**

Association for Research in Vision and Ophthalmology (ARVO) annual meeting, Fort Lauderdale, Bethesda, Maryland, USA. May 6-10, 2007

Instructor/Poster presentation

Instruction Course on Cluster endophthalmitis, American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

National**Invited speaker**

Silver Jubilee celebration and CME program, Pondicherry Ophthalmologists Association, Pondicherry. April 8, 2007

CME program, Narayana Nethralaya, Bangalore. April 14, 2007

CME program, Aravinda Vitreoretinal Institute, Vijayawada. May 27, 2007

Midterm meeting, All Assam Ophthalmology Society, Guwahati. July 15, 2007

AMD workshop, 2nd Indian AMD Congress, NOVARTIS Pharmaceuticals, Goa. August 18-19, 2007

XLV International Society for Clinical Electrophysiology of Vision (ISCEV) Symposium, LVPEI, Hyderabad. August 25-29, 2007

Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Faculty

'Paradigm shift in management of age related macular degeneration and current management of post-operative endophthalmitis', XII Retina Congress, LVPEI, Bhubaneswar. December 7-9, 2007

Advanced Vitreoretinal Techniques & Technology, Ahmedabad. December 22-23, 2007

Invited speaker/Free paper presentation

National Symposium on Vitreous Retina by Vitreo Retinal Society of India and Special program on Diabetes 2020, EYEINFO 2008 – 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

S Sheela Devi**National****Invited faculty**

Training program for primary health doctors and NGOs on diabetes awareness at Prakasam district, Andhra Pradesh. August 31, 2007

Poster presentation

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Faculty

NGOs training program, World Diabetes Foundation project, Markapuram, Andhra Pradesh. March 6, 2008

Primary health center medical practitioners training program, World Diabetes Foundation project, Markapuram, Andhra Pradesh. March 25, 2008

Merle Fernandes**International****Invited speaker/Chief instructor**

XXV Congress of European Society of Cataract & Refractive Surgeons, Stockholm, Sweden. September 8-12, 2007

Video presentation

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

National**Invited speaker**

Eyedu 2007, Eyedu Foundation, Hyderabad. July 27-28, 2007

Eye banking and cornea meeting, Mohsin Eye Bank, Visakhapatnam. August 26, 2007

Eye banking and cornea meeting, Jorhat Ophthalmic Association, Jorhat. September 1, 2007

Organising secretary/Faculty

Cataract and Cornea Seminar, LVPEI, Visakhapatnam. November 3-4, 2007

Faculty/Session moderator

'Eye on the Future', International symposium on 'Eye Health and Eye Disorders of Children', LVPEI, Hyderabad. December 1-2, 2007

Invited speaker

CME on Medical Emergencies, Eastern Naval Command, Visakhapatnam. December 29-30, 2007

Vidharbha Ophthalmic Society meeting, Nagpur. March 30, 2008

Prashant Garg**International****Invited participant**

Meeting of postgraduate committee of Vision CRC, UNSW School of Optometry, Sydney, Australia. April 9-14, 2007

Invited speaker

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

National**Invited speaker**

Logical approach to diagnosis and management of microbial keratitis, Guwahati Ophthalmology Society meeting, Guwahati. April 29, 2007

Invited participant

Eye Banking Medical Standards Workshop, Eye Bank Association of India – Government of India – and ORBIS International Program, New Delhi. December 29-30, 2007

Usha Gopinathan**International****Invited faculty**

International Eye Bank Symposium, Sandhani National Eye Donation Society, Dhaka, Bangladesh. October 20-21, 2007

Community Eye Health Program, The London School of Hygiene and Tropical Medicine, London. October 24-26, 2007

Asia Cornea Society Scientific Meeting, Shangri-La's Rasa Sentosa, Singapore. March 13-14, 2008

National**Invited faculty**

DC-10 Program, ORBIS International, Mumbai. India. April 1, 2007

Co-Chairperson/Faculty

Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Invited speaker

Eye Banking Medical Standards Workshop, Eye Bank Association of India–Government of India–ORBIS Program, New Delhi. December 29-30, 2007

Chairperson

Eye Bank Association of India (EBAI) session, EYEINFO 2008 – 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Invited faculty

Workshop for Regional Institute of Ophthalmology and Eye Banks of India, Sankara Nethralaya, Chennai. February 20, 2008

Vijaya K Gothwal**National****Faculty**

17th Low Vision Awareness Program, LVPEI, Hyderabad. April 27-29, 2007

18th Low Vision Awareness Program, LVPEI, Hyderabad. September 28-30, 2007

'Eye on the Future', International symposium on 'Eye Health and Eye Disorders of Children', LVPEI, Hyderabad. December 1-2, 2007

Invited faculty

Workshop, Centre for Research and Education (CREED), ICARE – LVPEI, Hyderabad. January 4-5, 2008

Roshmi Gupta**International****Video presentation**

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

Faculty/Paper presentation

Cutting Edge 2007, Joint meeting of Oculoplastics Association of India (OPAI) and Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS), Hyderabad. December 14-16, 2007

National**Discussant**

Cataract and Cornea Seminar, LVPEI, Visakhapatnam. November 3-4, 2007

Faculty

'Eye on the Future', International symposium on 'Eye Health and Eye Disorders of Children', LVPEI, Hyderabad. December 1-2, 2007

Symposium on radio frequency in oculoplasty, LVPEI and Ellman International, Hyderabad. December 12, 2007

Invited speaker

Regional Eye Hospital, Visakhapatnam. December 27, 2007

Session moderator/Paper discussant

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Invited speaker

Oculoplasty Update, Hyderabad Ophthalmic Association, Hyderabad. March 16, 2008

Santosh G Honavar**International**

Annual Meeting of the American Academy of Ophthalmology, New Orleans, USA. November 2007

Invited faculty/Chairman

Cutting Edge 2007, Joint meeting of Oculoplastics Association of India (OPAI) and Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS), Hyderabad. December 14-16, 2007

National**Invited faculty**

Delhi Ophthalmic Association meeting. April 2007

Ophthalmic Society of West Bengal meeting. May 2007

Indian Intraocular Implant Refractive Society (IIIRS) meeting, Chennai. July 2007

Symposium on Ocular Trauma, Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Bombay Ophthalmologists Association, Mumbai. September 29-30, 2007

Pediatric Ophthalmology Symposium, Ganpati Nethralaya, Jalna. October 2007

Gujarat Ophthalmological Society Meeting, Mehsana. October 2007

Maharashtra Ophthalmological Society Meeting, Sholapur. October 2007

Alpavriksha – Post Graduate Ophthalmology Program, Chennai. October 2007

Pediatric Ophthalmology Symposium, Bhubaneswar. October 2007

Kerala Ophthalmological Society Meeting, Palakkad. November 2007

Karnataka Ophthalmological Society meeting, Bangalore. November 3-4, 2007

All Assam Ophthalmic Society meeting. December 2007

Meeting of the Karnataka Ophthalmological Society, Belgaum. January 2008

Invited faculty/Chairman

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Invited faculty

International Cancer Meeting, Hyderabad. February 9-10, 2008

Invited faculty/Chairman

Oculoplasty Update, Hyderabad Ophthalmic Association, Hyderabad. March 16, 2008

Nazimul Hussain**National****Guest lecture**

Poona Ophthalmological Society, Pune. April 29, 2007

Invited faculty

AMD workshop, 2nd Indian AMD Congress, NOVARTIS Pharmaceuticals, Goa. August 18-19, 2007

XVI Annual Conference of Vitreo-Retinal Society of India, Mussoorie. September 20-23, 2007

Focus 2007: EYELUX Bombay Ophthalmological Society, Mumbai. September 29-30, 2007

Subhadra Jalali**International****Poster presentation**

Association for Research in Vision and Ophthalmology (ARVO) annual meeting, Fort Lauderdale, Maryland, USA.

May 5-9, 2007

Invited faculty

Hands-on course on Visual Electrophysiology, pre 45th ISCEV Annual symposium training program, LVPEI, Hyderabad. August 24-25, 2007

Organizing Chairperson/Invited speaker/**Poster presentation**

XLV International Society for Clinical Electrophysiology of Vision (ISCEV) Symposium, LVPEI, Hyderabad. August 25-29, 2007

Invited speaker

44th Annual Conference of Pakistan Ophthalmological Society and 4th Annual Symposium of Khyber Ophthalmological Society, Peshawar. March 8-11, 2008

National**Invited speaker**

Annual meeting, Delhi Ophthalmological Society, New Delhi. April 1-4, 2007

National Workshop by Pediatricians on ventilation of newborns, Hyderabad. April 7, 2007

26th CME for postgraduates, Sarojini Devi Eye Hospital, Hyderabad. July 28, 2007

CME on Emergency Care in Trauma, Military Hospital, Secunderabad. August 11-12, 2007

Invited speaker/Co-Convenor

Symposium on Ocular Trauma, Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Invited speaker

12th RK Seth Memorial Symposium on Pediatric Ophthalmology, Venu Eye Institute, New Delhi. October 2, 2007

APNEOCON2007, Annual conference of AP Neonatologists, Gandhi Medical College, Hyderabad. October 7, 2007

Faculty

National symposium on 'Vision for Children', The National Programme for the Control of Blindness (NPCB), Government of India, and VISION 2020: The Right to Sight – India, LVPEI, Bhubaneswar. October 10, 2007

Convenor/ Faculty

Follow-up workshop on Retinopathy of Prematurity, sponsored by Sight Savers International (UK), LVPEI, Hyderabad. November 30, 2007

Faculty/Convenor of session

Eye on the Future, Symposium on 'Eye Health and Eye disorders of Children' LVPEI, Hyderabad. December 1-2, 2007

Invited speaker

ROP Update, Shroff Eye Charitable Hospital, New Delhi. January 12, 2008

National Symposium on VitreoRetinal Diseases; Instruction course on ROP, EYEINFO 2008 – 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Korani Jyothi**National****Faculty**

Tribal Eye Health projects coordinators workshop, ICARE – LVPEI, Kubeer, Adilabad district, Andhra Pradesh.
March 28, 2008

Chitra Kannabiran**International****Invited speaker**

XLV Annual Meeting of the International Society for Clinical Electrophysiology of Vision (ISCEV) Symposium, LVPEI, Hyderabad. August 25-29, 2007

Seminar at Duke University Medical Center, Durham, NC, USA. November 7, 2007

Ophthalmic Genetics Study Club, New Orleans, Louisiana, USA. November 9, 2007

Seminar at Tulane University Health Sciences Center, New Orleans, Louisiana, USA. November 12, 2007

Symposium on Diabetic Retinopathy, American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

National**Organizer**

16th Annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 28-29, 2007

Invited participant

International Symposium on Trends in Human Genetics, Department of Biotechnology, Government of India, Puri. August 20-22, 2007

Presentation

Meeting of Task Force on Human Genetics and Genomics, Department of Biotechnology, Government of India, New Delhi. September 18, 2007

Participant

Meeting of Core Group of Eye Genetic Analysis Consortium of India (EGACI), LVPEI, Hyderabad. September 24, 2007

Coordinator

Panel on Impact of Healthcare Technologies on Women, 2nd National Bioethics Conference, National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore. December 6-8, 2007

Faculty

First Champalimaud Seminar, LVPEI, Hyderabad.

January 30, 2008

Plenary session, Annual meeting of Indian Society of Human Genetics, Andhra University, Visakhapatnam.

February 11-13, 2008

Inderjeet Kaur**National****Paper presentation**

XVI Annual Conference of Vitreo-Retinal Society of India, Mussoorie. September 20-23, 2007

Poster presentation

International symposium on 'Dissecting the Role of Genes and Environment in Complex Diseases', Centre for Cellular and Molecular Biology, Hyderabad. December 6-8, 2007

Paper presentation

Annual conference, Indian Society of Human Genetics, Andhra University, Visakhapatnam. February 11-13, 2008

Ramesh Kekunnaya**International****Volunteer faculty**

ORBIS Flying Eye Hospital Program, Da Nang, Vietnam. March 17 – April 8, 2008

National**Invited speaker**

CME on Pediatric Ophthalmology, Hyderabad Ophthalmology Association, Hyderabad. September 2, 2007

CME on Strabismus, Orissa State Ophthalmologists Society, Chilika, Orissa. September 9, 2007

Invited faculty

Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Organizing secretary/Faculty

'Eye on the Future', International symposium on 'Eye Health and Eye Disorders of Children' LVPEI, Hyderabad. December 1-2, 2007

Faculty

ORBIS-LVPEI Pediatric Ophthalmology Learning and Training Centre (POLTC) hospital based program on pediatric ophthalmology, ORBIS International - LVPEI, Hyderabad. December 3-7, 2007

Free paper presentation

Synergy, Strabismus Society of India 25th annual meeting, Chennai. December 8-9, 2007

Discussant

Free paper session, EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Invited faculty

'Pan Ophthalmology Live', 59th annual conference of Delhi Ophthalmic Society, New Delhi. March 28-30, 2008

Rohit Khanna**International****Participated**

Planning workshop on development of first NGO hospital in Jiangxi Province in China; assessment of Fred Hollows Foundation work in China and recommendations for future strategy, The Fred Hollows Foundation, China.

April 14-22, 2007

Collaboration meeting between Tianjin Eye Hospital and LVPEI, Tianjin, China. April 14-22, 2007

Invited speaker

Meeting on 5-year National Strategic Plan for Prevention of Blindness Prevention in Rwanda, Right to Sight, Kigali, Rwanda. March 10-12, 2008

National**Poster presentation**

16th Annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 28-29, 2007

Invited speaker

CME program for postgraduate students, Sarojini Devi Eye Hospital, Hyderabad. September 7, 2007

Faculty/Presentations

Cataract and Cornea Seminar, LVPEI, Visakhapatnam. November 3-4, 2007

Free paper/Poster presentations

'Eye on the Future', International symposium on 'Eye Health and Eye Disorders of Children', LVPEI, Hyderabad. December 1-2, 2007

Keynote speaker

Childhood blindness awareness workshop, Bellary District Chamber of Commerce and Industry, Bellary, Karnataka. December 9, 2007

Organiser/Invited speaker

5th LVPEI Satellite and Partners meet, ICARE – LVPEI, Kismatpur, Hyderabad. December 22, 2007

Poster presentations

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Invited speaker

Operation Eyesight Universal Partners' Workshop, Operation Eyesight Universal, Kochi. February 15-16, 2008

Pravin V Krishna**International****Paper presentations**

XIV meeting, International Society for Contact Lens Research, Whistler, BC, Canada. August 12-17, 2007

Invited speaker

Bascom Palmer Eye Institute, Miami, Florida, USA. January 25, 2008

National**Invited faculty**

Cornea meeting, Baroda Ophthalmology Association, Baroda. June 2-3, 2007

Presentations/Co-instructor

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

S Krishnaiah**National****Participant**

Indian Society for Medical Statistics (ISMS) Conference, Manipal University, Manipal. November 29 – December 3, 2007

Meena Lakshmipathy**National****Faculty**

Cataract and Cornea Seminar, LVPEI, Visakhapatnam. November 3-4, 2007

Ajit Babu Majji**International****Free paper presentation**

Second surgical intervention for endophthalmitis after initial vitrectomy or vitreous biopsy, 7th Euretina Congress, Monte Carlo, Italy. May 17-20, 2007

National**Keynote address**

Changing paradigms in the management of retinal detachment, Delhi Ophthalmic Society, New Delhi. April 7-8, 2007

Invited speaker

Jaipur Ophthalmic Society meeting, Jaipur. July 15, 2007

AMD workshop, 2nd Indian AMD Congress, NOVARTIS Pharmaceuticals, Goa. August 18-19, 2007

National Symposium on diabetic retinopathy, Kochi.

September 8-9, 2007

Organiser/Invited Speaker

XVI Annual Conference of Vitreo-Retinal Society of India, Mussoorie. September 20-23, 2007

Instructor

Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Invited faculty

Focus 2007: EYELUX Bombay Ophthalmological Society, Mumbai. September 29-30, 2007

Invited speaker

Gujarat Ophthalmic Society meeting, Mehsana.

October 13-14, 2007

Karnataka Ophthalmic Society Meeting, Bangalore.

November 3-4, 2007

External examiner

Fellowship examinations in Vitreous and Retina, Rajiv Gandhi Health University, Bangalore. January 17, 2008

**Co-instructor/Free paper/Session co-chairman/
Session convenor**

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

FRCS host examiner

L V Prasad Eye Institute, Hyderabad. February 11-14, 2008

Guest faculty

'Pan Ophthalmology Live', 59th annual conference of Delhi Ophthalmic Society, New Delhi. March 28-30, 2008

Anil K Mandal**International****Chairperson of a symposium/Invited faculty/****Poster presentation**

World Glaucoma Congress, The Association of International Glaucoma Societies, Singapore. July 18-21, 2007

Invited speaker

Tulane University Medical Center, New Orleans, USA.

November 9, 2007

Senior instructor, Poster & video presentation

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

National**Colloquium lecture**

Saha Institute of Nuclear Physics Center, Kolkata. May 8, 2007

Invited speaker

Bose Institute, Kolkata. May 11, 2007

Invited faculty

Symposium on glaucoma, Hyderabad Ophthalmic Society, Hyderabad. June 10, 2007

16th Annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 28-29, 2007

Faculty

National symposium on 'Vision for Children', The National Programme for the Control of Blindness (NPCB), Government of India, and VISION 2020: The Right to Sight – India Forum, LVPEI, Bhubaneswar. October 10, 2007

Invited speaker

Glaucoma Symposium, Lions Club of Hyderabad, Sadhuram Eye Hospital, Hyderabad. November 4, 2007

Major S C Dutta Memorial Oration, XXXVIII annual conference, Ophthalmological Society of West Bengal, Malda. November 24-25, 2007

Invited faculty

Eye on the Future, Symposium on 'Eye Health and Eye disorders of Children' LVPEI, Hyderabad. December 1-2, 2007

Glaucoma Communiqué 2007, XVII annual conference, Glaucoma Society of India, Kolkata. December 7-9, 2007

Faculty/Instructor/Free paper presentation

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Faculty/Video presentation

Glaucoma Update, LV Prasad Eye Institute in satellite connection with LVPEI Bhubaneshwar and LVPEI, GMR Varalakshmi Campus, Visakhapatnam. March 8-9, 2008

Invited faculty/Keynote address

'Pan Ophthalmology Live', 59th annual conference of Delhi Ophthalmic Society, New Delhi. March 28-30, 2008

Manjula Marella**National****Faculty**

17th Low Vision Awareness Program, LVPEI, Hyderabad. April 27-29, 2007

18th Low Vision Awareness Program, LVPEI, Hyderabad. September 28-30, 2007

Srinivas Marmamula**National****Poster Presentation**

16th Annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 28-29, 2007

Invited speaker

33rd All India Optometry conference, Goa. October 3-5, 2007

Observer

Tele-ophthalmology and their primary eye care facility, Sankara Nethralaya, Chennai & Aravind Eye Care Hospitals, Madurai. November 14-17, 2007

Annie Mathai**International****Poster presentation**

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

Invited speaker

Symposium on Diabetic Retinopathy screening, ORBIS China, Shanghai, China. February 14-15, 2008

National**Free paper presentation**

XVI Annual Conference of Vitreo Retinal Society of India, Mussoorie. September 20-22, 2007

Invited faculty

Uveitis Society of India annual meeting, Guwahati. December 1-2, 2007

Hema Mohan**National****Faculty**

17th Low Vision Awareness Program, LVPEI, Hyderabad. April 27 – 29, 2007

Ramesh Murthy**International****Poster presentation**

XLV International Society for Clinical Electrophysiology of Vision (ISCEV) Symposium, LVPEI, Hyderabad. August 25-29, 2007

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

Coordinator/Convenor

Live surgery and Pediatric Oculoplasty, Cutting Edge 2007, Joint meeting of Oculoplastics Association of India (OPAI) and Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS), Hyderabad. December 14-16, 2007

Chairperson/Invited speaker

International symposium on retinoblastoma and pediatric ophthalmic tumours, National University Hospital, Singapore. December 21-22, 2007

National**Invited speaker**

Pediatric lacrimal disorders and live surgery. Combined ENT-Ophthalmology DCR workshop, Srikrishna Institute of Ophthalmology, Kakinada. April 1, 2007

Eye to Eye 2007, An Interaction with the Friends of LVPEI, LVPEI, Hyderabad. June 24, 2007

Dr SS Prasad Endowment Lecture, Hyderabad Ophthalmologists Association, Hyderabad. July 21, 2007

Invited speaker

Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Karnataka Ophthalmological Society meeting, Bangalore. November 3-4, 2007

Faculty

Eye on the Future, Symposium on 'Eye Health and Eye disorders of Children' LVPEI, Hyderabad. December 1-2, 2007

Chief organiser/Faculty

ORBIS-LVPEI Pediatric Ophthalmology Learning and Training Centre (POLTC) hospital based program on pediatric ophthalmology, ORBIS International – LVPEI, Hyderabad December 3-7, 2007

Invited speaker

Synergy, Strabismus Society of India 25th annual meeting, Chennai. December 8-9, 2007

Faculty

Symposium on radio frequency in oculoplasty, LVPEI and Ellman International, Hyderabad. December 12, 2007

Guest lecture

Minto Government Hospital, Bangalore. December 24, 2007

Invited speaker/Instructor/Paper presentation

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Invited speaker/Moderator

Oculoplasty Update, Hyderabad Ophthalmic Association, Hyderabad. March 16, 2008

Invited speaker

'Pan Ophthalmology Live', 59th annual conference of Delhi Ophthalmic Society, New Delhi. March 28-30, 2008

Somasheila Murthy**International****Guest faculty**

ORBIS hospital based training program, Awassa, Ethiopia. April 28 – May 6, 2007

Participated

Investigators' meeting for LUX BIO Sciences LUCIDA study: LX 201-01 and LX 2020-02, LUX BIO Sciences, Frankfurt, Germany. May 15-16, 2007

Volunteer faculty

Manual small incision cataract surgery, ORBIS training program, Muhimbili University College of Health Sciences, Dar es Salaam, Tanzania. September 10-15, 2007

Invited speaker/Faculty

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

National**Faculty**

Investigators' meeting for the LUX BIO Sciences LUMINATE STUDY: LX 211-01, 02, 03, LUX BIO Sciences, Hyderabad. June 16-17, 2007

Chief instructor

Instruction course on Uvea, Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Invited speaker/Chairperson for session/Judge for posters

Uveitis Society of India annual meeting, Guwahati. December 1-2, 2007

Faculty

39th Indian Contact Lens Education Program, LVPEI, Hyderabad. December 6, 2007

Organizer/Faculty

2nd annual meeting of Indian Association of Ophthalmic Pathology, LVPEI, Hyderabad. December 15, 2007

Instructor/Free paper/Discussant

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Participant

Global Trends in Clinical Research, Institute of Clinical Research India, Mumbai. March 14-15, 2008

Invited speaker

'Pan Ophthalmology Live', 59th annual conference of Delhi Ophthalmic Society, New Delhi. March 28-30, 2008

Milind N Naik**International****Invited faculty**

18th anniversary of international Singapore National Eye Centre, Singapore. March 14-17, 2008

Cutting Edge 2007, Joint meeting of Oculoplastics Association of India (OPAI) and Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS), Hyderabad. December 14-16, 2007

National**Invited faculty**

Annual Meeting of the Association of Plastic Surgeons of India (APSI), Command Hospital, Pune, December 1, 2007

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

International Oculoplasty Update, Rajan Eye Care Hospital, Chennai. March 1-2, 2008

'Pan Ophthalmology Live', 59th annual conference of Delhi Ophthalmic Society, New Delhi. March 28-30, 2008

Raja Narayanan**International****Invited speaker**

XLV International Society for Clinical Electrophysiology of Vision (ISCEV) Symposium, LVPEI, Hyderabad. August 25-29, 2007

Poster presentations

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

American Society of Retina Specialists meeting, California, USA. December 1-5, 2007

National**Instructor**

Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Rajul Parikh**International****Invited speaker/Moderator**

World Glaucoma Congress, The Association of International Glaucoma Societies, Singapore. July 18-21, 2007

National**Invited speaker**

Glaucoma meet, Vizag Ophthalmology Association, Visakhapatnam. April 22, 2007

Symposium on glaucoma, Hyderabad Ophthalmic Society, Hyderabad. June 10, 2007

'Glaucoma meet', Hyderabad Ophthalmic Association, Hyderabad. July 10, 2007

Invited speaker/poster presentation

Glaucoma Symposium, Aurangabad Ophthalmic Society, Aurangabad. August 19, 2007

Avinash Pathengay**International****Invited speaker/Paper & Poster presentation**

IX International Ocular and Inflammation Society, Paris, France. September 17-20, 2007

Member

8th International Advanced Vitreo Retinal Surgery Course, Kuala Lumpur, Malaysia. January 11-13, 2008

National**Faculty**

Cataract and Cornea Seminar, LVPEI, Visakhapatnam. November 3-4, 2007

XII Retina Congress, LVPEI, Bhubaneswar. December 7-9, 2007

Giridhar Pyda**National****Poster presentation**

'Eye on the Future', International symposium on 'Eye Health and Eye Disorders of Children', LVPEI, Hyderabad. December 1-2, 2007

Coordinator

ORBIS-LVPEI Pediatric Ophthalmology Learning and Training Centre (POLTC) hospital based program on pediatric ophthalmology, ORBIS International - LVPEI, Hyderabad. December 3-7, 2007

Usha Raman**International****Faculty**

Postgraduate Skills Workshop, Vision CRC, University of New South Wales, Sydney, Australia. March 25 – April 4, 2008

National**Discussant**

Panel on Health Communication, CMS Symbols Symposia on Communication for Social Development, University of Hyderabad. November 1-3, 2007

Panelist

Conference on Academic Publishing in English, English and Foreign Languages University, Hyderabad. December 4, 2007

Panelist/Paper presenter

2nd National Bioethics Conference, National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore. December 6-8, 2007

Faculty

Operation Eyesight Universal Partners' Workshop, Operation Eyesight Universal, Kochi. February 15-16, 2008

Panelist

UNESCO Consultation on Model Journalism Curricula for Developing Countries, UNESCO and University of Hyderabad, Hyderabad. March 7-9, 2008

Invited speaker

Workshop on Aspects of Media, The English and Foreign Languages University, Hyderabad. March 20, 2008

Gullapalli N Rao**International****Participated**

Planning workshop on development of first NGO hospital in Jiangxi Province in China; assessment of Fred Hollows Foundation work in China and recommendations for future strategy, The Fred Hollows Foundation (FHF), China. April 14-22, 2007

Collaboration meeting

Between Tianjin Eye Hospital (a Centre of Excellence) and LVPEI. Areas of collaboration include clinical care, training, exchange of staff, research and blindness prevention, Tianjin, China. April 14-22, 2007

Southern Regional Congress 2007. Spoke on *Fungal & Acanthamoeba Keratitis and Current priorities for prevention of blindness*, Melbourne, Australia. May 18-21, 2007

Vision Committee of Church of Latter-day Saint Charities. Spoke on *LVPEI Infrastructure Model*, Latter-day Saint Charities, Salt Lake City, USA. May 22, 2007

Keynote speaker

First African Partners' Networking Workshop. Spoke on *Excellence in Eye Care*, Operation Eyesight Universal, Takoradi, Ghana. June 4-8, 2007

Invited speaker

'Prevention of Blindness Programmes', Inauguration of Cicendo Eye Hospital (first centre to be opened under the Carl Zeiss – IAPB Training Programme), Bandung, Indonesia. July 25, 2007
'Delivery of Eye Care in Developing Countries – Role of Research', Lecture at University of Udine, Trieste, Italy. October 2, 2007

Keynote lecture

'Delivery of Eye Care in Developing Countries – Role of Research', Annual meeting of European Association for Vision and Research, Portoroz, Slovenia. October 3-6, 2007

Symposium on Eye Banking, ORBIS International, Dhaka, Bangladesh. October 20-21, 2007

Session : Legal Requirements and Technical Standards for Eye Banking

Topic : Corneal Transplantation Teams – Development

Topic : Corneal Transplantation Services in Bangladesh

Invited speaker

Debate on 'What is the Priority, Aid or Development?', International Forum session, American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

National**Invited speaker**

Second Management Consultation on Health Care in India. Spoke on *Eye Care Delivery Model for Developing Countries*, Indian Institute of Management, Ahmedabad. June 26, 2007

'VISION 2020 India Chapter – Strategies for addressing Corneal Blindness', Eye Donation Fortnight, Eye Bank Association of India, LVPEI, Hyderabad. July 31, 2007

Faculty

'Vision for Children – National Perspective' National symposium on 'Vision for Children', The National Programme for the Control of Blindness (NPCB), Government of India, and VISION 2020: The Right to Sight – India Forum, LVPEI, Bhubaneswar. October 10, 2007

Guest of Honour

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Spoke on: *Indian Ophthalmology: Pathways to Global Leadership*

Session: Academia Ophthalmologica Internationalis

Spoke on: *Eye Care to the Underserved Populations*

Lecture in Honour of Prof P K Khosla, New Delhi.

March 9, 2008

Spoke on: *Diabetic retinopathy: A Model for Control*

Suryasnata Rath**National****Faculty/Poster presentation**

'Eye on the Future', International symposium on 'Eye Health and Eye Disorders of Children', LVPEI, Hyderabad.

December 1-2, 2007

Instructor/Free paper, video & poster presentation

Cutting Edge 2007, Joint meeting of Oculoplastics Association of India (OPAI) and Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS), Hyderabad.

December 14-16, 2007

Varsha Rathi**National****Invited speaker**

Eye to Eye 2007, An Interaction with the Friends of LVPEI, LVPEI, Hyderabad. June 24, 2007

26th CME program, Sarojini Devi Eye Hospital, Hyderabad. July 16-31, 2007

Vidarbha Ophthalmological Society meeting, Akola, Maharashtra. November 3-4, 2007

G Ashok Kumar Reddy**National****Free paper presentation**

MICROCON 2007, 31st National Congress of Indian Association of Medical Microbiologists (IAMM), Kasturba Medical College, Mangalore. November 16-18, 2007

Poster presentation

National Congress of Infectious Disease Society of India (IDSI), Hyderabad. January 24-27, 2008

Rajeev K Reddy**National****Invited speaker**

Dr Ravi Kumar Reddy Endowment Lecture, Sarojini Devi Eye Hospital, Hyderabad. September 27, 2007

Free paper presentation

Uveitis Society of India annual meeting, Guwahati. December 1-2, 2007

Jayanthi Sagar**National****Paper presentation**

16th Annual meeting, Indian Eye Research Group, LVPEI, Hyderabad. July 28-29, 2007

Co-ordinator/Faculty

Training program for primary health doctors and NGOs on diabetes awareness, Prakasam district, Andhra Pradesh. August 31, 2007

Project coordinator

Refresher training program, Johnson & Johnson Company and ICARE – LVPEI, Hyderabad. February 5, 2008

NGOs training program, World Diabetes Foundation project, Markapuram, Andhra Pradesh. March 6, 2008

Primary health center medical practitioners training program, World Diabetes Foundation project, Markapuram, Andhra Pradesh. March 25, 2008

Virender S Sangwan**International****Faculty**

Postgraduate review week for Vision CRC, Sydney, Australia. April 4, 2007

Investigators' meeting for LUX BIO Sciences LUCIDA study: LX 201-01 and LX 2020-02, LUX BIO Sciences, Frankfurt, Germany. May 15-16, 2007

Invited speaker

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

Invited faculty/Secretary, Asia Cornea Society

Inaugural Asia Cornea Society Scientific Meeting, Shangri-La's Rasa Sentosa, Singapore. March 11-15, 2008

National**Faculty**

Meeting of the Pune Ophthalmic Society, National Institute of Ophthalmology, Pune. April 28-29, 2007

Investigators' meeting for the LUX BIO Sciences LUMINATE STUDY: LX 211-01, 02, 03, LUX BIO Sciences, LVPEI, Hyderabad. June 16-17, 2007

Invited faculty

Intraocular Implant & Refractive Society, Chennai.

July 14-15, 2007

"Eye banking and State-of-art Keratoplasty", Visakhapatnam. August 26, 2007

Ocular Trauma Society meeting, New Delhi. September 1, 2007

Bombay Ophthalmology Association, Mumbai. September 29-30, 2007

International Ocular Surface Society meeting, Aravind Eye Hospital, Pondicherry. October 6-7, 2007

Cataract and Cornea Seminar, LVPEI, Visakhapatnam. November 3-4, 2007

Uveitis Society of India annual meeting, Guwahati. December 1-2, 2007

Faculty/Free paper presentation

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Invited faculty

Bio Asia 2008 – The Global Bio Business Forum, Hyderabad. February 7, 2008

2nd Founder's day, Advanced Eye Centre, Chandigarh. March 17-19, 2008

'Pan Ophthalmology Live', 59th annual conference of Delhi Ophthalmic Society, New Delhi. March 28-30, 2008

Vidharbha Ophthalmic Society meeting, Nagpur. March 29, 2008

G Chandra Sekhar**International****Participated**

Advisory Board Meetings of Pfizer and Allergan, World Glaucoma Congress, The Association of International Glaucoma Societies, Singapore. July 16-17, 2007

Invited speaker

'L V Prasad Eye Institute, 20 years of Eye care with Excellence and Equity', Carl Zeiss Meditec, Dublin, California, USA. September 12, 2007

Chairperson, OEU India Board

Annual Strategic Planning Sessions, Operation Eyesight Universal, Calgary, Canada. September 15-16, 2007

Attended

International Agency for Prevention of Blindness Council of Members meeting, Vancouver, Canada. September 20-21, 2007

Invited participant

Mapping the future of Glaucoma: 2008 Global Glaucoma, Pfizer, Los Angeles, USA. January 24-26, 2008

Invited speaker

10th meeting of Glaucoma Research Society, Queenstown, New Zealand. February 20-23, 2008

National**Guest lecture**

Indian Medical Association, Hyderabad. May 27, 2007

Faculty/Video presentation

Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Invited speaker/ Panelist

'Role of newer technology in patient management', Panel discussion on Medical management of glaucoma and angle closure disease, Glaucoma Society of India XVII annual meeting, Kolkata. December 6-9, 2007

Chair the session/Invited speaker

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Chair, Board meeting/Participant

Partners' Workshop, Operation Eyesight Universal, Kochi. February 15-16, 2008

Organizer

First Patient Support Group meeting, LVPEI, Hyderabad. March 6, 2008

Faculty

Glaucoma Update, LVPEI, Visakhapatnam, in satellite connection with LVPEI Bhubaneshwar and LVPEI, Hyderabad. March 8-9, 2008

Chairperson

Andhra Pradesh State Ophthalmological Society management committee meeting as President of APSOS, Vijayawada. March 16, 2008

Invited speaker

'Pan Ophthalmology Live', 59th annual conference of Delhi Ophthalmic Society, New Delhi. March 28-30, 2008

Sirisha Senthil**National****Invited speaker**

Glaucoma Symposium, Sadhuram Lions Eye Hospital. November 4, 2007

Invited speaker/Video presentation

Glaucoma Update, LVPEI, Visakhapatnam. March 8-9, 2008

Savitri Sharma**International****Faculty**

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

National**Invited speaker**

Meeting of Editors of Biomedical Journals, PD Hinduja Hospital, Mumbai. April 1, 2007

Silver Jubilee celebration and CME programs, Pondicherry Ophthalmologists' Association, Pondicherry. April 8, 2007

Midterm meeting, All Assam Ophthalmology Society, Guwahati. July 15, 2007

Moderator/Invited speaker

35th Annual conference, Indian Association of Pathologists and Microbiologists (Orissa chapter), Bhubaneswar. September 8, 2007

Convener/Invited speaker

Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

Panel discussion

MICROCON 2007, 31st National Congress of Indian Association of Medical Microbiologists (IAMM), Kasturba Medical College, Mangalore. November 16-18, 2007

Faculty

XII Retina Congress, LVPEI, Bhubaneswar. December 7-9, 2007

Invited speaker

CME on 'Prevention of Hospital Acquired Infections In Ophthalmic Surgery And Ophthalmology', Center for Excellence, 3M India Limited and Karnataka Ophthalmology Society, United Theological College, Bangalore. March 23, 2008

Rishi Swarup**International****Invited speaker/Instructor/Poster & Video presentation**

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

National**Free paper presentation/Ophthalmic Quizmaster**

Nethra Darshan 2007, 31st annual meeting of Andhra Pradesh Ophthalmic Society (APOS) and 2nd meeting of Ophthalmic Association of South Indian States (OASIS), Tirupati. September 28-30, 2007

Video presentations

EYEINFO 2008, 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Invited speaker

'Pan Ophthalmology Live', 59th annual conference of Delhi Ophthalmic Society, New Delhi. March 28-30, 2008

PVKS Varma**National****Chairperson/Faculty**

Glaucoma Update, LVPEI, Visakhapatnam. March 8-9, 2008

Geeta K Vemuganti**International****Invited speaker**

Continuous Medical Education Program, Hospital Kuala Lumpur, Kuala Lumpur, Malaysia. June 11-13, 2007

Institute for Medical Research, Kuala Lumpur, Malaysia. June 12, 2007

Indo-Australian workshop at the International Society of Stem Cell Research (ISSCR), Centre for Eye Research Australia, Melbourne, Australia. June 15, 2007

Poster presentations

5th International Society for Stem Cell Research annual meeting, Cairns, Australia. June 17, 2007

Invited speaker

Vision CRC, Institute for Eye Research, Sydney, Australia. June 22, 2007

Indo-JSPS-CDB Joint Meeting, RIKEN CDB, Kobe, Japan. October 24, 2007

Invited faculty

American Academy of Ophthalmology annual meeting, New Orleans, Louisiana, USA. November 10-13, 2007

Invited speaker

National Cancer Institute, National Institutes of Health, Bethesda, Washington DC, USA. November 16, 2007

National**Invited speaker**

Discussion on draft cGMP document, National Centre for Biological Sciences, Bangalore. July 16, 2007

11th Program on 'Role Effectiveness for Professional Women', Centre for Organizational Development, Hyderabad.

July 19, 2007

26th CME program, Sarojini Devi Eye Hospital, Hyderabad. July 20, 2007

6th AP Regional Society of Anatomists Meet – 2007, Department of Anatomy, Mamata Medical Collage, Khammam.

July 21, 2007

Talk on Institution Review Board, cGMP workshop, LVPEI, Hyderabad. August 19, 2007

25th Annual Conference, Indian Association of Pathologists and Microbiologists, Department of Pathology, Kakatiya Medical College, Warangal. September 8, 2007

Nethra Darshan 2007, 31st Annual meeting of Andhra Pradesh Ophthalmological Society and 2nd meeting of Ophthalmological Association of South Indian States, Tirupati. September 28-30, 2007

National seminar on Stem Cells, Department of Science and Technology, Government of Rajasthan, Jaipur. October 11, 2007

Advanced training in genetic diagnosis and counseling, Institute of Genetics and Hospital for Genetic Diseases, Osmania University, Hyderabad. October 16, 2007

Conference on stem cell tissue engineering and regenerative medicine, Frontier Lifeline & Dr K M Cherian Heart Foundation, Chennai. December 2, 2007

Keynote speaker

2nd Annual day, Helen Keller Research Centre, Loyola College, Chennai. December 2, 2007

Invited speaker/Faculty & coordinator for workshop

2nd National Bioethics Conference, National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore. December 6, 2007

Invited speaker

National symposium on Current Trends in Stem Cell Biology, The Society for Biotechnologists (India) annual meeting, Thiruvananthapuram. December 16, 2007

Ethics Workshop, National Institute of Nutrition, Hyderabad. December 29, 2007

'Advanced Training in Genetic Diagnosis and Counseling', 2nd Hands-on program, Institute of Genetics and Hospital for Genetic Diseases, Osmania University, Hyderabad.

January 24, 2008

First Prof S J Nagalothimath Memorial CME, 13th International CME in Pathology, Indian College of Pathologists and Karnataka College – Indian Association of Pathologists Meet, Bangalore. January 27, 2008

Instruction course on 'Ophthalmic Pathology for the Clinician' and Retinoblastoma, EYEINFO 2008 – 66th annual conference of All India Ophthalmological Society, Bangalore. January 31 – February 3, 2008

Bio Asia 2008 – The Global Bio Business Forum, Hyderabad. February 7, 2008

Invited participant

Proteomics Meeting, Centre for Cellular and Molecular Biology, Hyderabad. February 17-18, 2008

Invited speaker

Asian Institute of Gastroenterology, Hyderabad. February 21, 2008

Sri Sai Dental College, Vikarabad. February 22, 2008

Showcasing Science by Indian Women Scientist, Taskforce for Women in Science, Department of Science and Technology, Government of India, New Delhi. March 8, 2008

Kovai Vilas**International****Invited speaker**

Strategic planning on replication of Vision Centre concept, International Center for EyeCare Education, Vision CRC, Sydney, Australia. April 23, 2007

Resource Person

Vision Centre Program Management in Asia Pacific Region and Sri Lanka, meetings with International Center for EyeCare Education, Vision CRC, Sydney, Australia. March 29-30, 2008

National**Organizer/Faculty**

Continuing Education Workshop for vision technicians, ICARE – LVPEI, Kismatpur, Hyderabad. September 28-29, 2007

Presentation

October summit on Reaching the Unreached, SEVA foundation, USA, organized by LAICO, Madurai. October 6-8, 2007

Coordinator/Presenter

Workshop on Seeing is Believing, Vision Centre Project Meet supported by Standard Chartered Bank, LVPEI, Hyderabad. December 10-12, 2007

Jachin D Williams**National****Faculty**

Indian alumni of ICEH London 2007 Symposium, Nellore, Andhra Pradesh. May 1, 2007

Multipurpose community health workers training program, Hyderabad Urban Slums Development Program, LVPEI – Operation Eyesight Universal, Hyderabad. October 13, 2007

Coordinator/Video presentation

Sight for Kids Evaluation Meeting, Lions Clubs International Foundation, Johnson & Johnson Ltd & LVPEI, Hyderabad. October 19, 2007

Convenor/Faculty

Scojo-LVPEI Vision Entrepreneurs Managers meeting, ICARE – LVPEI, Kismatpur, Hyderabad. December 1, 2007

Invited speaker

Eye Health Training Program for Surya Youth Association, Chaitanya Mahila Mandali, Hyderabad, India. January 23, 2008

Convener/Faculty

Workshop & Launching of LVPEI – GHMC – Aasara Senior Citizens Eye Care Program, GHMC – Aasara & LVPEI, Hyderabad. January 30, 2008

Organizer/Faculty

CEC & CBR Fieldworkers Training Program, ICARE – LVPEI, Thoodukurthy and Hyderabad. February 5-6 and 18-22, 2008

Convener/Faculty

Tribal Eye Care Project Program Coordinators Training, AP Right to Sight Society & ICARE – LVPEI, Hyderabad. March 25 – April 5, 2008

Honors & Awards

Pisart Vision Award

Gullapalli N Rao, Chairman, LVPEI, was awarded the 2007 Pisart Vision Award for being an outstanding humanitarian and a respected ophthalmologist. The award was presented to him at the Lighthouse International headquarters in New York, USA, on November 15, 2007. Dr Tara Cortes, RN, PhD and President and CEO of Lighthouse International, said, "We are very honored to recognize Dr Rao for his outstanding commitment and contribution to the field of vision health care." The Pisart Award is partially funded by Mme Georgette Pisart, a longtime Lighthouse volunteer.

University of Melbourne honors Dr Rao

Gullapalli N Rao was honored with a Doctor of Medicine (honoris causa) by the University of Melbourne on December 8, 2007. Professor Hugh Taylor, Chairman of the Department of Ophthalmology, University of Melbourne, Australia, said, "Dr Rao is an outstanding humanitarian, an internationally respected ophthalmologist, and a brilliant original thinker and strategist, whose work has improved eye care in India and throughout the world".

Taraprasad Das

- Elected to Retina Section Program Committee, Association for Research in Vision and Ophthalmology (ARVO), USA, for a three-year term (2007-2009) and will become the Program Committee Chairperson in 2009
- Krupajal Sanman -2008, Bhubaneswar, Orissa

Chitra Kannabiran

Appointed to Editorial Board of Journal of Genetics. October 2007

Raja Narayanan

International Ophthalmologist Education Award, American Academy of Ophthalmology annual meeting, New Orleans, USA. November 10-13, 2007.

V S Sangwan

- Achievement Award from the American Academy of Ophthalmologists, USA. 2007
- Appointed section editor, Cornea & External Disease, British Journal of Ophthalmology

International

Subhabrata Chakrabarti

- Invited to join Editorial Board of International Glaucoma Review (IGR)
- Received Association of International Glaucoma Societies (AIGS) travel fellowship to attend World Glaucoma Congress in Singapore. July 18-21, 2007
- Visiting faculty, Hamilton Glaucoma Center, University of California, San Diego, USA
- Member, WGA Award 2008 Committee, World Glaucoma Association
- Member, WGA Promulgation Committee, World Glaucoma Association

Roshmi Gupta

Best Paper, Orbit Session, Cutting Edge 2007, Joint meeting of Oculoplastics Association of India (OPAI) and Asia Pacific Society of Ophthalmic Plastic and Reconstructive Surgery (APSOPRS), Hyderabad. December 14-16, 2007

V S Sangwan

- Appointed Editorial Board Member of International Ophthalmology Journal
- Appointed to the international steering committee of LUX Biosciences for Uveitis and Corneal Transplantation drug development programs.

Sirisha Senthil

External peer reviewer for Ophthalmic Surgery and Lasers

Geeta K Vemuganti

- Awarded 5 best photographs by the Ophthalmic Photographic Society at the American Society of Cataract and Refractive Surgery (ASCRS) symposium and congress, San Diego, California, USA, April 2 – May 3, 2007, in the following categories:
 - 1st Prize: Gross specimen photography (Inside the eye)
 - 2nd Prize: Gross specimen photography (Optic nerve glioma)
 - 3rd Prize: Gross specimen photography (Schwannoma)
 - 2nd Prize: Microphotography (Metastatic retinoblastoma, CSF fluid)
 - Honorable Mention: Microphotography (Asteroid Hyalosis)
- Advisor, Limbal stem cell project, Hospital Kuala Lumpur, and Institute for Medical Research, Malaysia

National

Subhabrata Chakrabarti

- Invited to join as Editorial Board Member of Journal of Current Glaucoma Practice
- Young Scientist Platinum Jubilee Award of the National Academy of Sciences India (NASI)

Santosh G Honavar

Received P Siva Reddy Award at All India Ophthalmological Society annual meeting, Bangalore. January 31 – February 3, 2008

Chitra Kannabiran

Received Andhra Pradesh Scientist Award 2008 in Medical Sciences from the AP State Council of Science and Technology

Ajit Babu Majji

- Best presentation award for 'How to proceed after Vitrectomy/Vit. biopsy in patients of endophthalmitis' from Delhi Ophthalmic Society, New Delhi. April 2007
- Elected Joint Secretary of All India Ophthalmological Society at AIOS annual meeting, Bangalore. January 31 – February 3, 2008

A K Mandal

Received Pascal Video Award for best video in Management of Glaucoma category at the Glaucoma Communiqué 2007, XVII annual conference, Glaucoma Society of India, Kolkata. December 7-9, 2007

Rajul S Parikh

Appointed Associate Editor for Journal of Current Glaucoma Practice, a new review journal.

V S Sangwan

Awarded the Biotech Products and Process Development and Commercialization Award 2007 by the Government of India. May 11, 2007

G Chandra Sekhar

Installed as President of Andhra Pradesh Ophthalmic Society (APOS) and Chairman of Ophthalmic Association of South Indian States (OASIS) at Tirupati. September 28-30, 2007

Rishi Swarup

Received Raghavachary award for Best Paper in the Dr Raghavachary Free Paper Session at the Andhra Pradesh Ophthalmic Society (APOS) and the Ophthalmic Association of Southern Indian States (OASIS) conference, Tirupati. September 28-30, 2007

Geeta K Vemuganti

- Awarded the Biotech Products and Process Development and Commercialization Award 2007 by the Government of India. May 11, 2007
- Elected fellow, National Academy of Medical Sciences. October 2007
- Member, Institutional BioSafety Committee, University of Hyderabad
- Member, Research Advisory Committee, Asian Institute of Gastroenterology

Afia Sultana, research scholar

Qualified for her PhD degree from Hyderabad Central University (HCU) for her thesis 'Molecular genetic analysis of autosomal recessive corneal dystrophies'.

State

Soumyava Basu

Dr KR Dutta award for best free paper, Eastern India Zonal Ophthalmic Congress (EIZOC), Dhanbad. November 3-4, 2007

Taraprasad Das

- Received Honour award of Orissa Gourav Samman Ruchi Prativa Foundation, Orissa. June 2007
- Honor of Vision Award by Ahmednagar Academy of Ophthalmology. August 2007
- Received from Governor of Orissa 'Krupajal Sanman-2008' given by Krupajal group of institutions for distinguished achievement in ophthalmology and outstanding contribution to the nation and state of Orissa in the field of medical science and social service. March 2, 2008

A K Mandal

Received gold medal for the Major SCDutta Memorial Oration at the XXXVIII Annual Conference of Ophthalmological Society of West Bengal, Malda. November 24-25, 2007

Gullapalli N Rao

Awarded ANR Swarna Kanknam 2007 award by Raga Saptha Swaram, a cultural social service organisation, on the occasion of Dr Akkineni Nageswara Rao's 84th birthday. September 26, 2007

V S Sangwan

Delivered Dr AV Madangopal Oration on Limbal Stem Cells: Science and Practice at the Vidarbha Ophthalmic Society meeting, Nagpur. March 29, 2008

PVKS Varma

- Elected vice president of the Vision Aid Charitable Society (VACS), Visakhapatnam
- Invited to be executive member of Visakhapatnam Ophthalmic Association (VOA)

LVPEI Appointments

Merle Fernandes

Appointed Director of our GMR Varalakshmi campus, LVPEI, Visakhapatnam

Subhadra Jalali

Appointed Head of Retina Services of the Institute at Kallam Anji Reddy campus, Hyderabad, in November 2007



Product Development

Rotary Club of Hyderabad Corneal Preservation Medium Centre

MK Medium

A total of 16,268 MK medium vials were produced during the year April 2007 to March 2008. We distributed 14,558 vials of MK medium to 120 national eye banks and two international eye banks.

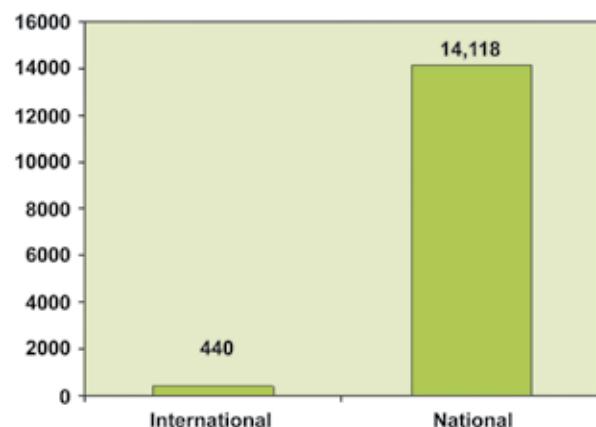
Amniotic Membrane

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 – 502 pieces (172 were distributed to LVPEI alumni fellows)

Research – 461

Distribution of MK Medium



Distribution of Corneal Preservation Medium

International

Bangladesh
Kenya
Agra
Ahmedabad
Ahmednagar
Aligarh
Amaravati
Ambala City
Angamaly
Bagalkot
Bengaluru
Baroda
Bathinda
Bhavnagar
Bhimavaram
Bhopal
Bhubaneswar
Bilaspur
Kozhikode
Chandigarh
Chennai
Chitrakoot
Coimbatore
Dehradun
Dondaicha

Agartala
Agra
Ahmedabad
Ahmednagar
Aligarh
Amaravati
Ambala City
Angamaly
Bagalkot
Bengaluru
Baroda
Bathinda
Bhavnagar
Bhimavaram
Bhopal
Bhubaneswar
Bilaspur
Kozhikode
Chandigarh
Chennai
Chitrakoot
Coimbatore
Dehradun
Dondaicha

National

Kakinada
Kalyan
Katwa
Keojhar
Gobrapota
Gorakhpur
Guntur
Gurgaon
Guwahati
Hanamkonda
Hissar
Hospet
Hubli
Hyderabad
Indore
Itanagar
Jabalpur
Jaipur
Jalandhar
Jalgaon
Jalna
Jamshedpur
Jhagadia
Jorhat

Navsari
Neemuch
Nellore
New Delhi
Nidadavole
Kolkata
Kottayam
Kurnool
Lucknow
Ludhiana
Madurai
Mangalore
Manipal
Meerut
Miraj
Moradabad
Mumbai
Mysore
Nagercoil
Nagpur
Nalgonda
Narayanagaon
Narwana
Nashik

Sangli
Secunderabad
Sevagram
Shantivan
Shimoga
Shreeram Nagar
Siliguri
Sirsia
Sitapur
Sohana
Solapur
Patiala
Perintalmanna
Palakkad
Palakol
Panvel
Pondicherry
Pune
Raipur
Rajahmundry
Rajkot
Rampur
Ranchi
Ratlam
Rattanpur
Repalle
Rohtak

Tirunelveli
Tirupati
Tiruchirapalli
Thiruvananthapuram
Vadodara
Varanasi
Vellore
Visakhapatnam
Visnagar
Vuyyur

So that they may see

The year reinforced our faith in ourselves and in those who have supported our vision. It also gave us the opportunity to draw encouragement from new quarters. Large grants for research from foundations and government bodies were supplemented by smaller, more specific donations from a variety of philanthropies. And, of course, significant support continues to come from all the individuals and institutions in the private and public sector that share our dreams.

Our Support

In each issue of our Activity Reports, we present profiles of our major supporters. In the next few pages we present reports of some generous individuals and dedicated organizations.

In the past issues, we have presented profiles of Mr Sreekanth Ravi and Mr Sudhakar Ravi of California, USA; Dr K Anji Reddy of Dr Reddy's Laboratories Limited, Hyderabad, India; Mr Subba Rao Makineni, California, USA; Mr P K Kanoria, Kolkata, India; Christoffel Blindenmission, Germany; Operation Eyesight Universal, Canada; Dr Jasti V Rattaiah & Mrs Jasti Ramanamma, USA; Carl Zeiss, Germany; Lavelle Fund for the Blind, Inc., USA; ORBIS International, USA; and BHP Billiton, Australia.

The gentle agro-entrepreneur with a heart of gold



"My father was a self-confident, hardworking, determined gentle person who, in a lifetime, not only built a world for himself and those around him but also a future for us," says Kothapalli Kishore of his father, the late Kothapalli Rama Rao. "He was an extremely hospitable person who loved to be with people. Through the years there has been many an acquaintance that turned up at his doorstep to enjoy his hospitality and friendship. And yet he never expected anything in return. The amount of goodwill that our family enjoys today is purely because of him."

From very humble beginnings that began with leasing a few rice mills around the town of Nidadavole, Mr Rama Rao rose to set up the first industry in his home town area. Today the people of Nidadavole remember the great humanitarian that he was and see the fruits of his service everyday through the colleges, hospitals et al that he brought to this small town.

Mr Rama Rao's association with the Lions Clubs started in the late 1960s. His plans for building a team and a society extended to a series of lectures by people from different walks of life from across the country. At one such meeting addressed by the then Chairman of the State Small Industries Corporation Mr Rama Rao was motivated to start an asphaltic roofing factory. Thus was born Modern Roofings, the first industry in Nidadavole – a town that now boasts many a small industry.

Mr Rama Rao believed that women were unable to progress due to lack of exclusive educational facilities for them. He was the key donor and mover, along with Smt Rajeswari Ramakrishnan, in setting up a junior and degree college for women in Nidadavole way back in the early 80s.

When Lions International started their Sight First Project he was one of the first to offer to build a rural eye hospital in Nidadavole. It was conceived as a small Rs 35 lakh hospital on a 1500 sq yard plot of land. Mr CS Sastry, a benefactor of Rama Rao and a great friend of LVPEI, suggested that he suspend work on the project and arranged a meeting with Dr Gullapalli N Rao. The vision became grander and bigger. Infrastructural requirements were redrawn and Mr Rama Rao decided to donate a large and expensive family property to build the hospital. The rest is history. The "small" eye hospital became the first rural Secondary Eye Care Centre of LVPEI and morphed itself into the prestigious Rajeswari Ramakrishnan Lions Eye Hospital. Started in 1995 it continues to provide yeoman service to villagers in the area. According to Dr Gullapalli N Rao, the Institute found one of the most loyal and supportive friends in Mr Rama Rao.

By 1998 Mr Rama Rao ceased to actively participate in the business, handing it over to his sons. His focus was on the running of the eye centre and other social endeavours. One would see him everyday at the Smt Rajeshwari Ramakrishnan Lions Eye Centre talking to patients, taking care of them and always planning for the future. He was so deeply attached to this project that his last visit from his sick bed was to the hospital only.

A couple of years ago Mr Rama Rao walked into Dr Gullapalli N Rao's office at L V Prasad Eye Institute along with his son, Kishore, and handed over a cheque to fund a new operating theatre complex. This was just another gesture embodying his simplicity and social commitment. Work, not publicity, was a guiding feature of his life.

Two decades back a gentleman from Gujarat who used to travel to coastal Andhra on business met Mr Rama Rao on a train and they began talking. On subsequent visits he and his family became Mr Rama Rao's house guests. When Mr Rama Rao passed away in July 2008 this gentleman's family was part of the more than 10,000 people from all over the country who visited Nidadavole to bid farewell to a noble soul. "He touched all our lives by just befriending us," said the businessman from Gujarat.

A Foundation of Support

In the past few years, if one name has stood out in relation to infrastructure building in the state of Andhra Pradesh, it is the GMR Group. Whether it is the new airport in Hyderabad, the renovations in New Delhi and other cities, or in the improved highways that connect our cities and towns, the GMR logo has certainly created a presence. With the desire to make this success help influence lives marginalized by the very growth spurred by such infrastructure creation, Mr G Mallikarjuna Rao, Chairman of the GMR Group, established the GMR Varalakshmi Foundation. Named for the Chairman's wife, the Foundation spearheads GMR Group's social initiatives in education, empowerment, health and hygiene.

So when LVPEI began looking for partners to help take its tertiary care services to the state's second city, Visakhapatnam, the Foundation stepped in as a natural partner. "As one for whom Hyderabad is virtually a second home, I could hardly have been unaware of the outstanding work being done by LVPEI for the society. Hence when they approached us for support, we did not have to think very hard," says Mr Mallikarjuna Rao.

Today the Foundation, which began its work in 1991, has projects around the country with ongoing initiatives in Rajam, Rajahmundry, Chennai, Hyderabad, Delhi, Mangalore, Uttarakhand and Bangalore – mainly, in areas around the GMR Group's projects.

GMRV Foundation also works with poor urban communities in several places. All programs in these places begin with a thorough study and analysis of the problems of the communities. Subsequently, the Foundation works closely with the community to overcome these hurdles.

"Both health and education are core to our CSR values," explains Mr Rao. "What LVPEI is doing is educating people



on eye care and providing them the best possible eye care facilities which are second to none in the world. Thus vision care, as an important aspect of overall healthcare and its educational element, fits very well with our CSR values."

The Foundation works in over 50 villages aiming to promote participatory rural development and to strengthen village communities and their institutions. The interventions include:

- short-term measures like provision of water to meet daily needs, facilitation of transport for children of workers to attend examinations in their schools near the airport, mosquito-fogging, organization of health camps, programs for group building and goal setting, etc.
- long-term measures like skill training of youth for employment; improving the quality of education through the establishment of pre-schools, tuition centers, provision of scholarships, etc; formation of women's self-help groups and exploring home-based work options; opening a clinic, etc; and
- facilitation of service provision including working with the authorities to expedite creation of quality infrastructure including water, sewage, street lighting, etc.

Working with a partner like LVPEI is something that helps enhance the Foundation's work and takes it further in a key area like health. An agreement on core values such as excellence and equity give the partnership a strong basis and make for matching expectations. "Our expectations from this partnership are nothing beyond what LVPEI is already doing," says Mr Rao. "And that it will carry on the good work for a long, long time!"



Mrs GMR Varalakshmi visits LVPEI, Visakhapatnam

A matrix for social responsibility



Prasad Nimmagadda, a success saga of the new generation entrepreneurial spirit in India, made a humble beginning in his career in 1984 as a management trainee in Indian Molasses Company. Born into an Army officer's family in 1961, Mr Prasad pursued his education in Hyderabad and Delhi. He earned Masters degrees in Science and Business Administration. After gaining a rich professional experience of over 15 years in multinational and Indian companies, Mr Prasad became an entrepreneur in the year 2000 by acquiring a local ailing enterprise. He made his dream venture, Matrix Laboratories, one of the major pharmaceutical companies in India within a span of six years incorporating the values of cost leadership, product differentiation and a global footprint.

In 2006, Matrix Laboratories aligned with Mylan Laboratories to create the world's third largest Generic Pharmaceutical Company. Mr Prasad represents Mylan Laboratories as a member of the Board of Directors and Matrix Laboratories as a Non-executive Vice Chairman.

Known for his visionary thinking, strategic insights and execution capabilities, Mr Prasad earned 'Fastest Wealth Creator' award to Matrix Laboratories consecutively for three years from 2004 to 2006. Recognizing the achievements, the Government of Andhra Pradesh bestowed Matrix Laboratories with the "Best Management Award" in 2006.

With a 'Social Face' to the business enterprise, Mr Prasad launched 'Project Hope' in 2003 at Matrix Laboratories to develop cost-efficient processes to reduce the prices of HIV/AIDS drugs significantly. He also signed a historic agreement with the Clinton HIV/AIDS Initiative (CHAI). Matrix currently provides medication for over 35% of HIV/AIDS patients in the developing world at very affordable prices.

In 2008, Mr Prasad initiated a mega infrastructure project under the umbrella of VANPIC for the development of a world-class port-based integrated industrial corridor in the coastal region of Andhra Pradesh to redefine the rural economy through Rural Economic Zones. The mega venture is expected to transform the hitherto agri-based Guntur and Prakasam districts of Andhra Pradesh into major industrial hubs.

Identifying potential growth opportunities, Mr Prasad diversified into several growth sectors and made significant investments in cement, power, healthcare (hospitals), media, infrastructure development and hospitality businesses.

Mr Prasad believes in the power of collective wisdom and the participative management approach. He strongly believes that wealth and knowledge are enhanced only when they are shared.

Philanthropy and the entrepreneurial spirit go hand in hand with him. His inherent compassion for the economically underprivileged combined with a philanthropic spirit prompted Mr Prasad to set up Nimmagadda Foundation – an organization that aims to work in areas such as healthcare, education, sanitation, livelihoods and housing for the poor.

The Foundation partnered with L V Prasad Eye Institute for eradication of blindness in children in the State of Andhra Pradesh by 2020. The Foundation is supporting children born with congenital heart abnormality in association with Care Hospitals.

Mr Prasad firmly believes that the well-being of the child is linked to the well-being of the society at large. "While children are the hope for parents at the family level, they are the hope for society as well if we look at the macro level".

According to Mr Prasad, "LVPEI is one of the charity organizations with highly committed people and excellent delivery mechanisms. It has set the standards in eye care treatment and research in the last 20 years. Its efforts to provide excellent eye care at affordable cost to all the segments of the society, irrespective of their financial status, made us close to the institution. Every rupee that supports the cause is worth several times of that when it is extended through LVPEI."

Supporting as many children as possible in the areas of healthcare and education is part of the Nimmagadda Foundation's social service initiative. The Foundation aims to play a much bigger role in the years to come in this area.

En-visioning change through charity

For millions of people in need around the world, the humanitarian outreach program of The Church of Jesus Christ of Latter-day Saints/Latter Day Saint Charities (LDS Charities) offers hope and the potential for a life that transcends disease, poverty, and despair. One way the Church participates in programs that alleviate poverty, hunger and disease is collection and distribution of food, clothes, medical supplies, relief items and finances, resources that are pre-positioned in key locations for shipping on short notice in times of emergency. The Church also helps with volunteers who often make the most difference in restoring hope in the lives of those in crisis, such as victims of natural disasters.

One of the key areas of LDS Charities under the Humanitarian Services is Vision.

To reach out to the countless individuals worldwide whose lives are impacted by the loss of sight that could be addressed with simple medical procedures the LDS Charities Vision Program assists medical care providers with training and equipment to treat vision problems. Using ophthalmologists who volunteer their time, the Church has served 30,000 individuals since 2003 at a cost of \$1.7 million (USD).

In 2006, the Church provided vision treatment in 16 locations, including Cambodia, Chile, Democratic Republic of Congo, Ecuador, Egypt, Ghana, Guyana, Jamaica, Kiribati, Mongolia, Mozambique, Myanmar, Nepal, Nigeria, Paraguay, and Thailand.

In India LDS Charities has also been working with LVPEI to set up rural primary eye care centers in the state of Andhra Pradesh. Each of these primary care centers reaches out to a population of 50,000 in a radius of about 10 km. The support from LDSC provides for the training of the vision technician who runs the vision centre as also the required equipment. Till date LDSC has supported 8 vision centres in the Adilabad District of Andhra Pradesh. Apart from the vision centre project LDSC has supported the work of LVPEI's Vision Rehabilitation Centres and the community eye health program as well as providing wheelchairs to patients who are physically challenged.

LDSC has also supported the printing of eye health manuals that were prepared by ICARE for field workers as also Vision Rehabilitation's manual on assisted software for use by visually impaired persons.

Working closely with LDSC the LVPEI team plans to add a further 30 vision centres in Andhra Pradesh in the next few years.



Representatives of LDS Charities with LVPEI staff at the inauguration of a Vision Centre



Dr G Chandrasekhar, Director, LVPEI, Hyderabad, and Mr Lawrence and Ms Toni Lyerly of the Church, with a non-paying patient in the wheelchair

Your support makes it possible for all to see...

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National

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