

L V Prasad Eye Institute

Anant Bajaj Retina Institute

Institute of Excellence & Global Resource Centre



Anant Bajaj

1977- 2018

“Ik din bik jayega maati ke mol, jag mein reh jayenge pyaare tere bol”

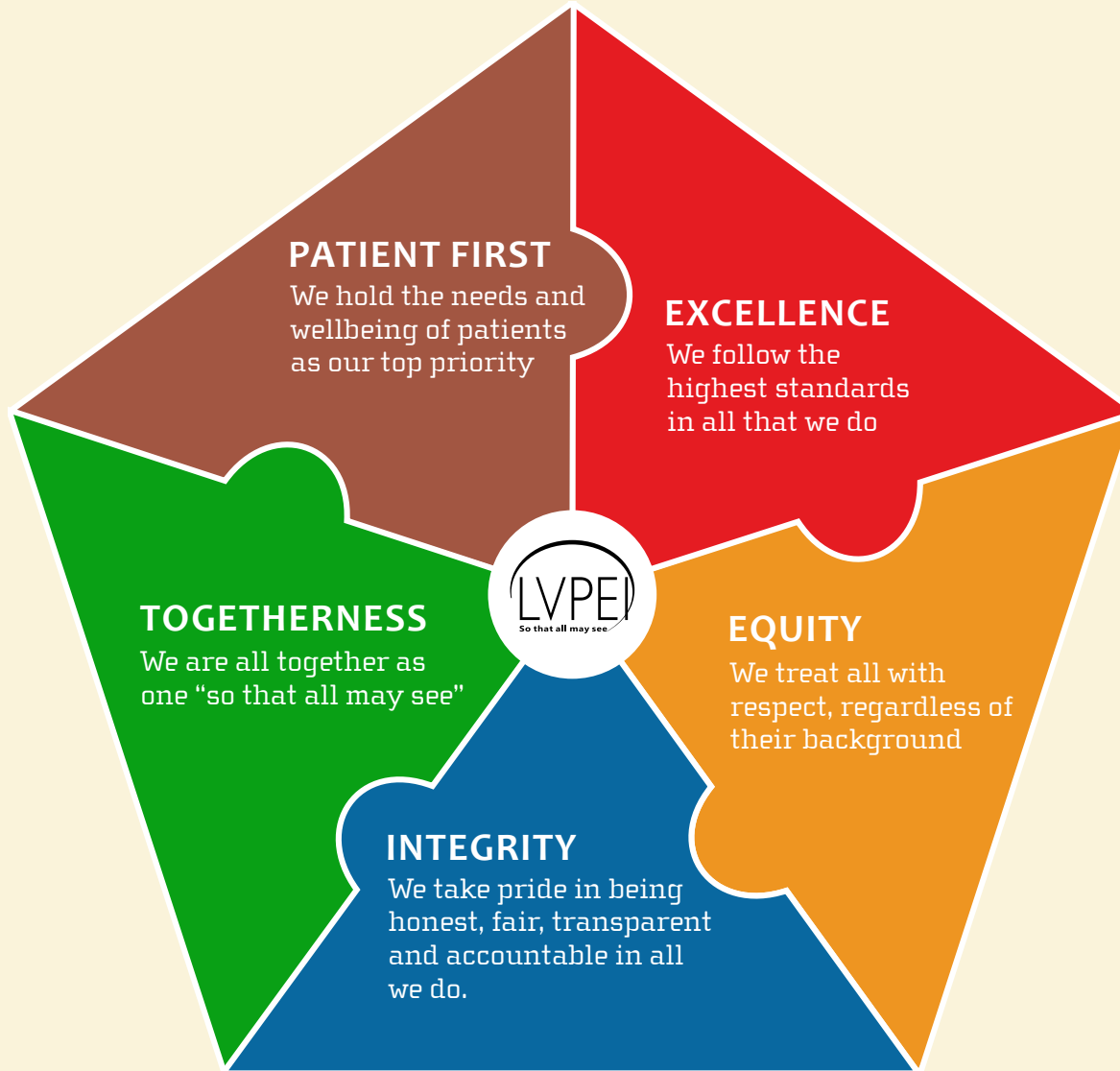
Anant was a visionary, a businessman, nature lover, athlete, champion of arts and advocate of India’s youth. Above all, he was a patriot.

As Managing Director of Bajaj Electricals Ltd., Anant was the driving force behind award-winning organisational initiatives, driven by innovation, research and quality. He was committed to technology, digital expansion and futuristic solutions. His spiritual upbringing as well as philanthropic activities of the Bajaj Group made a deep impact on his work and life.

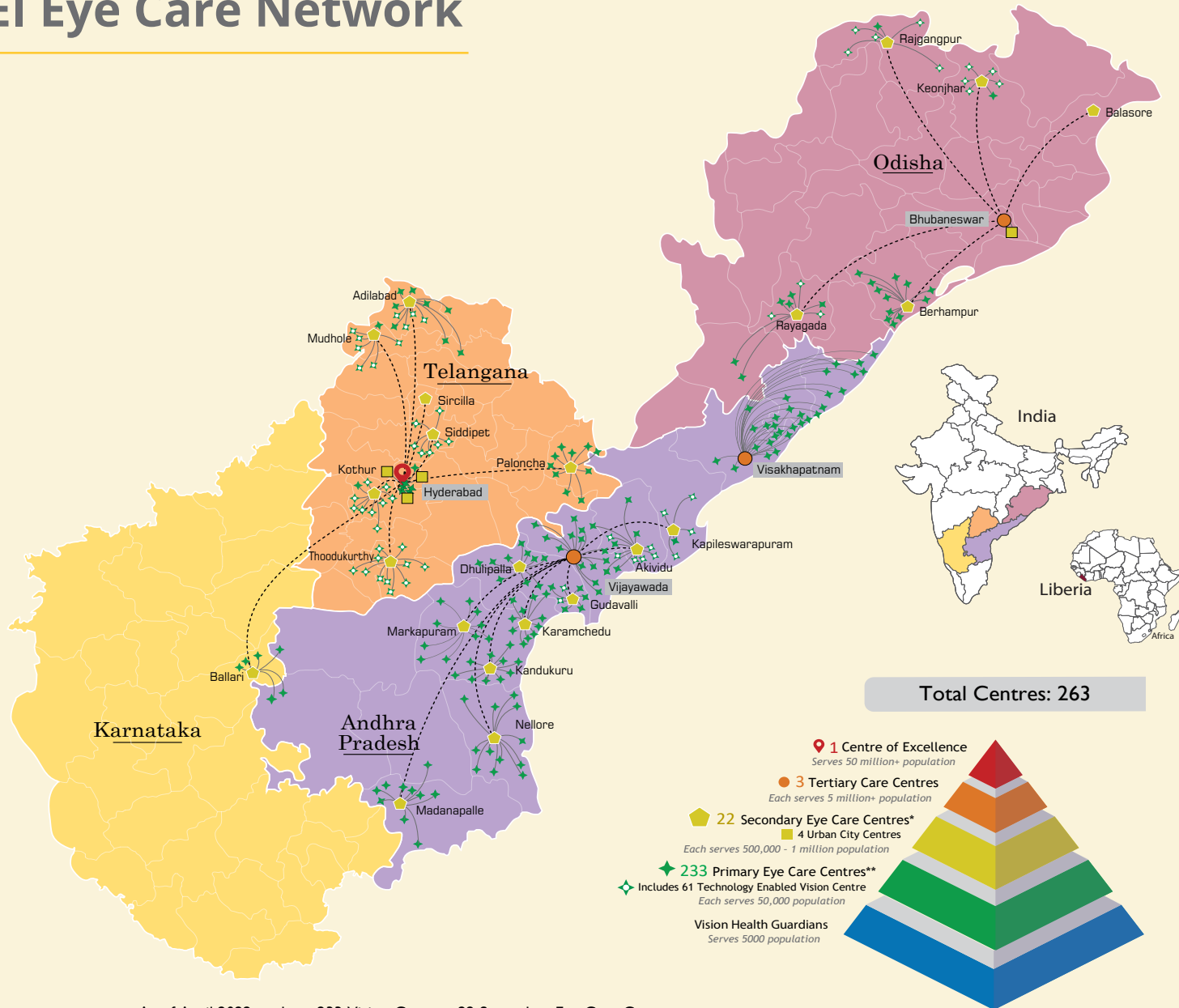
To Anant, health was the biggest wealth of the nation. He believed that eyes are the portal through which our brain communicates, learns new things and makes wonderful memories. Anant was passionate about eye care and discussed gene therapy with scientists as a solution towards preventable blindness. The Bajaj family has associated with the prestigious LVPEI to fulfil Anant’s dream of combining cutting-edge technology with philanthropy to make a difference.

At the Anant Bajaj Retina Institute, his vision of providing world class eye treatment for every Indian will come true.

LVPEI Values



LVPEI Eye Care Network



As of April 2022 we have 233 Vision Centres, 22 Secondary Eye Care Centres, 4 Urban City Centres, 3 Tertiary Eye Care Centres and our flagship Centre of Excellence. Additionally, LVPEI has 9 Partner Centres and 1 Overseas Partnership in West Africa with Liberia Eye Centre in Monrovia.

Active Arms



LVPEI Impact

32.11 million
population reached



1987 - March 2021

50% plus services provided free of cost, regardless of complexity

million
17.55
Outpatients



million
1.79
Surgeries



38,265
Personnel trained



55
PhDs awarded



million
4.62
Children reached



million
0.19
Rehabilitated



1
Patent granted



3594
Publications



million
12.76
Reached through community eye
health initiatives



12,075
Villages reached

Anant Bajaj Retina Institute - Focus Areas



- To bring advanced retinal eye care services to the doorstep of communities, and make it accessible and affordable for all
- Establish itself as an Institute offering world class care and treatment for all kinds of retinal diseases
- Offer better treatment options to patients encompassing the latest technological advances such as robotic surgery, gene therapy, stem cell treatment and new innovative diagnostic and therapeutic solutions for retinal diseases

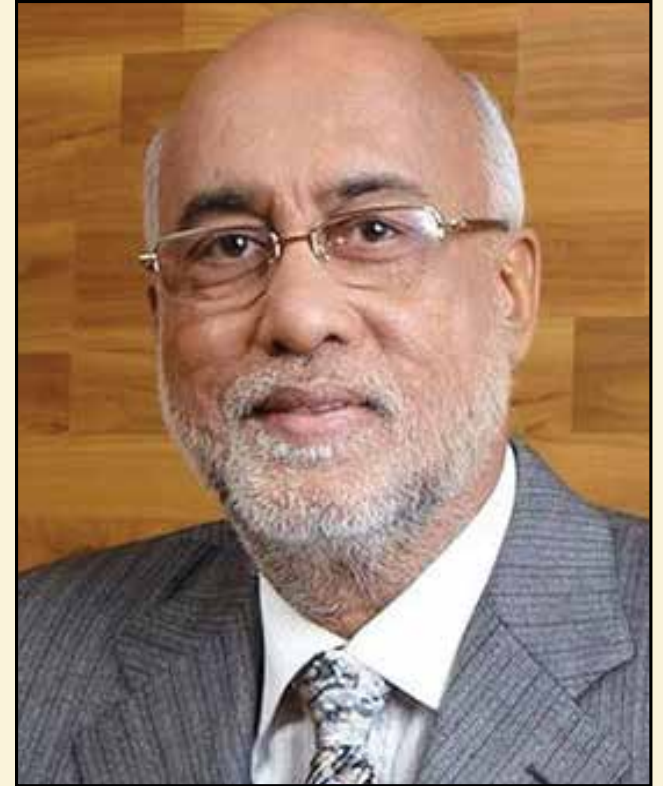
Forging a Lifetime Association with LVPEI

Today, we bring together the vision of my late son Anant Bajaj, with the phenomenal work done by LVPEI.

The Bajaj Group is delighted to forge a lifetime association with one of India's leading eye institutes and work together towards preventable blindness. LVPEI is known for being ahead in technology and providing cutting-edge solutions for eyecare. This institution is reputed for its integrity and its doors are open to those who can't afford basic eye care. As a country riddled with imbalances, the concept of social equity provided by LVPEI is very rewarding.

The Bajaj Group is committed to addressing the needs of our communities, taking sustainable initiatives in the areas of health, science and technology for rural development. The CSR values of the BAJAJ group align well with that of LVPEI, especially in areas of providing high quality healthcare to millions of people.

Anant Bajaj was passionate about eye health and making it available to all. He even made a trip to London to understand the benefits and possibilities of gene therapy with respect to vision loss. It was Anant's dream to combine cutting-edge technology with philanthropy to make a difference in the lives of people. We are grateful that LVPEI has acknowledged the vision of Anant Bajaj and named the centre as Anant Bajaj Retina Institute. Through this association, the Bajaj Group and LVPEI will join resources to reach out to millions of Indians to provide the best possible eyecare.



Mr Shekhar Bajaj
Chairman and Managing Director
Bajaj Electricals Limited



Dr Gullapalli N Rao

Founder and Chair, Board of Trustees
L V Prasad Eye Institute

Institutes of Excellence

Following our Institute's 25th anniversary in 2012, when we began thinking about the future, we formalized a strategy called 'Next 25'. We identified two main strategic pillars that would direct our efforts over the next 25 years: (a) Institute of Excellence - focuses on in-depth work in one area of eye care that is of great relevance globally and acts as a Global Resource Centre (b) Primary Eye Care - dedicated to providing primary eye care in remote rural and tribal areas in the world by developing replicable and high-quality service delivery models.

Considering the progress made by L V Prasad Eye Institute in the specialty of Retina, the available pool of talent, the state-of-the-art infrastructure, processes, and its global reputation, it was decided to create an Institute of Excellence for Retina.

This work commenced about four years ago, thanks to the diligent and dedicated efforts of Dr Taraprasad Das and the entire Retina team over the past nearly three decades, many of whom contributed significantly to advancing the retina care and services provided to the patients. The impact of their work translated into hundreds of thousands of lives being touched, knowledge sharing with many more specialists being trained and significantly enhancing the image of the Institute at the global level.

The LVPEI Retina Institute has now entered a new phase through its partnership with the renowned industrial group - Bajaj. To celebrate this alignment and the life of late Anant Bajaj, the Institute will be eponymous with his name - ANANT BAJAJ RETINA INSTITUTE. We are grateful to the entire family of Anant for their generous gesture that will accelerate the growth of the Institute and positively impact millions of lives.

Taking Eye Care Closer to the Doorstep of the Community

In the last 35 years, L V Prasad Eye Institute has grown from being an advanced tertiary eye care centre located at Banjara Hills in Hyderabad to an organization spread across 260+ centres in a pyramidal structure. The LVPEI Pyramidal Model of Eye Care Delivery was conceived based on the findings of a large public health study on vision impairment and blindness - Andhra Pradesh Eye Disease Study. The focus is on taking eye care closer to the doorstep of the people by providing services ranging from eye screening to management of the most complex eye diseases and rehabilitation of those with incurable vision impairment and blindness.

Today, the organization is functioning on multiple fronts from clinical care to advocacy, and collaborating with various partners including the Government at the state, regional, national, and global levels. This remarkable journey was made possible through the vision of our founding leaders, the support of friends from across the world, a committed team of employees, and the trust of the people we serve.

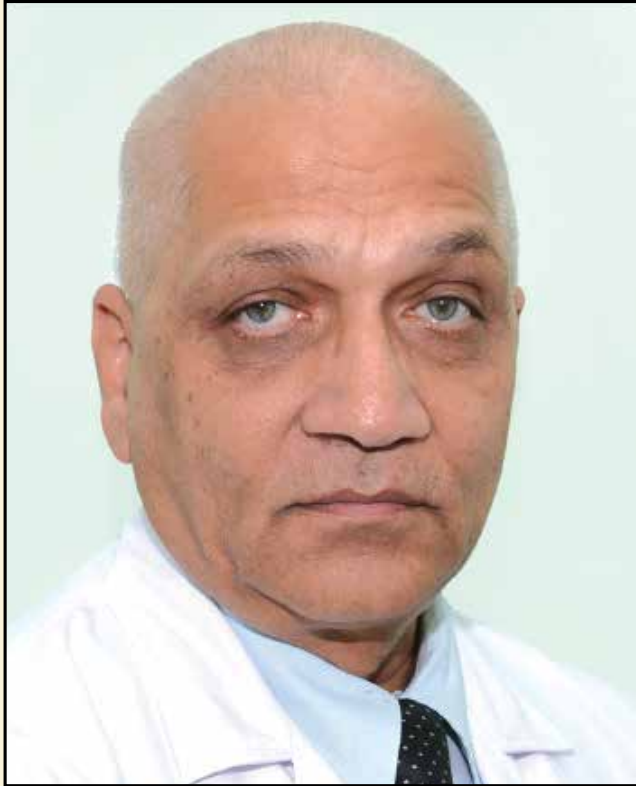
The 'Anant Bajaj Retina Institute' will serve as an Institute of Excellence and a Global Resource Centre helping other eye care organisations and policymakers in eradicating vision impairment and blindness from retinal diseases. Retinal diseases are among the seven most important causes of vision impairment and blindness, and hence, our collaboration for the institute is very relevant and carries a lot of responsibility. I thank the Bajaj family, especially Mrs and Mr Shekhar Bajaj and Pooja Bajaj, for supporting this very important initiative. I am confident that under the leadership of Dr Raja Narayanan, the Anant Bajaj Retina Institute will flourish, attain greater heights and achieve its vision - providing affordable, accessible, and quality retinal eye care services to all those in need.



Dr Prashant Garg

Executive Chair

L V Prasad Eye Institute



Dr Taraprasad Das

Vice Chair Emeritus
L V Prasad Eye Institute

The Evolution

On September 9, 1990, after a daylong meeting, when I agreed to join Nag Rao and build the LVPEI Retina, I made only one promise: To make the LVPEI a 'Retina Happening Place' in the country. I knew it would be long hours of work, innovative planning, and a bit of resource mobilization. I also knew that quality and affordable service, aligned with the institute's philosophy, would work better if complemented by quality education and relevant research. It was equally necessary to build a committed group to grow as a team. We employed several strategies. Some of these were the Retina Congress, Social Get-together, and Public Endowment Lecture held annually. I focused on endophthalmitis research, often not correctly treated and reported in India. Support of the microbiology service, led by Savitri (Sharma), was most valuable.

From one 'me', Vijaya and Padma, my optometrist and scrub nurse respectively, in 1990, to currently over 30 faculty and 50 retina fellows, spread over three states of India, has been an incredible journey of 32 years. Some of my direct fellows or faculties, Subhadra (Jalali), Avinash (Pathengay), Soumyava (Basu), Tapas (Padhi), Raja (Narayanan), and Umesh (Behera), currently working in the institute, have taken leadership positions to drive the Retina service to the next level. In this journey, I acknowledge my international scientific collaborators—Manuel del Cerro and George Hilton from the USA, Relja Zivojnovic (Belgium), Fumitaka Ando (Japan), and Susanne Binder (Austria).

When I moved to Hyderabad, my teacher, Prof Namperumalsamy, advised me to 'lead from the front,' and later, my friend-philosopher, Dr APJ Abdul Kalam, advised me to 'leave behind a legacy.' I hope I have measured up well to their expectations. The keys to the Retina service's growth, of course, were Nag's (Dr GN Rao) trust, encouragement, and timely advice. I am confident that the current leadership will make LVPEI Retina the best in the world.

Scaling Up Retina Services

The retina is the inner light sensitive layer of the eye and plays a critical role for us to see the world around us. Once damaged, it may cause serious and irreversible vision loss. Examples of some of the vision-threatening retinal problems are Diabetic Retinopathy, Macular Degeneration, Retinal Detachment, Retinitis Pigmentosa and other hereditary retinal diseases and Retinopathy of Prematurity. Annually, more than 100,000 patients are seen by the retina faculty in the clinics, and more than 20,000 retinal surgeries are performed at LVPEI.

LVPEI, through the Anant Bajaj Retina Institute as a Global Resource Centre, is planning to enhance its impact in the field of retinal diseases both directly through its network and indirectly by helping with capacity building of other organisations, training programmes and research with the vision of controlling blindness from retinal problems. Education at LVPEI is much sought after, not just by doctors in India, but by healthcare providers from other countries as well. The Anant Bajaj Retina Institute hopes to be a global resource centre for all aspects of clinical care, research and capacity building.

Research is a major component of all activities at L V Prasad Eye Institute and the retina faculty are passionate about cutting edge research. We are among the top research oriented Institutes, with more than 100 publications per year by the retina faculty adding value to improving patient outcomes. We hope to contribute to significant developments in the field of diagnosis, pharmacological treatment, surgical intervention, translational research and technology innovation, through strong internal and external collaboration.

The Anant Bajaj Retina Institute comprises highly compassionate, experienced and accomplished clinicians, scientists and researchers. With this partnership, we will be scaling up our services to bring advanced retinal eye care services to the doorstep of communities - making it accessible and affordable for all. We extend our sincere thanks to the Bajaj group for their generous support.



Dr Raja Narayanan

**Director, Anant Bajaj Retina Institute
L V Prasad Eye Institute**

Major Awards

Achievement Awards and Honours

American Academy of Ophthalmology

- **Dr Taraprasad Das**
Senior Achievement Award
- **Dr Raja Narayanan**
Lifelong Education of Ophthalmologist Award and Achievement Award
- **Dr Subhadra Jalali**
Achievement Award

American Society of Retina Specialists

- **Dr Raja Narayanan**
Senior Honour and Achievement Award
- **Dr Mudit Tyagi**
Senior Honour and Achievement Award
- **Dr Vishal Raval**
Senior Honour and Achievement Award

Free Paper Awards

Asia Pacific Academy of Ophthalmology Meeting

- **Dr Vivek Dave**

Vitreoretinal Society India Meeting

- **Dr Tapas R Padhi**
J H Pahwa Best Free Paper award
- **Dr Vivek Dave**
J H Pahwa Best Free Paper award

Asia Pacific Vitreo Retinal Society

- **Dr Taraprasad Das**
Yasuo Tano Lecture & Award

Academy of Asia Pacific Professors of Ophthalmology

- **Dr Raja Narayanan**
Elected Member

All India Ophthalmological Society

- **Dr Taraprasad Das**
Adenwala Oration Award
- **Dr Subhadra Jalali**
P Siva Reddy International Gold Medal Award

Vitreo-Retina Society of India

- **Dr Vivek Dave**
Prof Nam Perumalsamy Young Researcher Award

Annual Conference of All India Ophthalmological Society

- **Dr Tapas R Padhi**
Col. Rangachari Award for Best Paper

Uveitis Society of India

- **Dr Sameera Nayak**
Dr Carl Herbolt Award

Best Innovation Award

Vitreoretinal Society of Retina Specialists

- Dr Mudit Tyagi
For work on Fibrin Glue in Retinal Detachments

Best Poster Award

Indian Eye Research group-ARVO meeting

- Dr Niroj K Sahoo

Vitreo-Retina Society of India Annual meet

- Dr Umesh Behera

Best Surgical Video Awards

American Society of Retina Specialists Annual Conference

- Dr Mudit Tyagi

EURETINA, European Retina Congress

- Dr Mudit Tyagi

Asia-Pacific Vitreo-Retina Society Congress

- Dr Bhavik Panchal

All India Ophthalmology Conference

- Dr Umesh Behera

Vitreoretinal Society of India

- Dr Vishal Raval

Paediatric Retina meet, Sankara Nethralaya

- Dr Srikanth Padhy



Research

- **The LVPEI retina faculty** has published over 860 articles in various global peer-reviewed publications and journals of high-repute
- Several LVPEI retina faculty hold important board positions in various retina forums and journals
- Significant contributions have been made in the field of paediatric retinal diseases, infections, retinal vascular diseases, macular disorders and dystrophies
- Faculty have formed scholarly groups on specialized areas in retina to collaborate with other experts, share knowledge, conduct cutting-edge research and build capacity
- LVPEI is the leading single-speciality research institute among all medical specialities in India and is ranked among the top institutes globally



Safeguarding Vision of Premature Babies

Retinopathy of Prematurity (ROP) is an eye condition that can lead to permanent vision loss in premature babies if not diagnosed and treated on time.

With the dream that 'No Premature baby shall miss timely ROP screening in the neonatal intensive care units, LVPEI set up one of India's first city-wide ROP blindness screening, treatment, and hands-on ROP training program in October 1998 at Hyderabad. The initiative was led by Dr Subhadra Jalali from the Kallam Anji Reddy Campus. This later expanded to LVPEI's other tertiary campuses in Visakhapatnam, Bhubaneswar, Vijayawada, and very recently into the rural secondary centre network.

Tees din Roshni Ke: It is a slogan given by LVPEI where the message is that every premature baby should have eye and retinal examination within 30 days of birth to rule out ROP. This slogan has been adopted for ROP screening all over India and in many developing nations.



Since 1998 to April 2022

- 50,000 babies ROP screening sessions conducted
- 5200 eyes treated for ROP by advanced lasers, injections, surgery, and vision therapy
- 360 eye care professional trained in ROP screening and management
- 700 Health care workers given training in primary eye health checkup of newborns and preterm babies
- Worlds' First ROP surgical workshop conducted, to teach the very difficult ROP surgery (ongoing)
- National Newborn and ROP screening guidelines released in partnership with Govt. of India National ROP Task Force

Elderly Eye Care - A Silver Lining On The Cloud

'Magical' is how 66-year-old Aakaarapu Padma describes her vision restoration journey, right from the care received near her doorstep, to the advanced care received at the Centre of Excellence in Hyderabad. Two long years of vision loss and eventually, complete vision loss had been her plight. Her son Chiranjeevi, a school-teacher, could ill afford her treatment - lockdown made things even more difficult. Around the same time, a team from LVPEI's 'Silver Sight - Eye Care for the Elderly' program providing home-based eye care, visited her and performed the initial examination. She was then referred to the Mudhole secondary centre for cataract removal surgeries. Her case was a little complicated, and she also developed retinal detachment for which she received the needed advanced treatment at the Hyderabad campus. "Silver Sight Initiative turned out to be a silver lining on the dark cloud for our family. If not for LVPEI, she would have remained blind," says Chiranjeevi.



The Alumni Network – Far and Wide



Fellowship at L V Prasad Eye Institute was the best education I ever received in my life. The training was about knowledge, discipline, ethics, respect, and humbleness.

These elements of training shaped me by the time I completed my fellowship. The other memory that I cherish from my fellowship days is the relationship I had with my mentors and clinical and support staff, including the housekeeping and security guards. It was all about togetherness and respect without any feeling of hierarchy. These learnings have had a profound impact on me and I follow them even today as clinical lead of the department here at Dubai. There is no better place than LVPEI to learn how to be humble and respectful towards patients and fellow beings.

Dr Nazimul Hussain

Mediclinic Parkview Hospital, Dubai
Retina-Vitreous Fellow (Batch - 1997-98)

My first introduction to LVPEI was in 2010 when as an impressionable second-year resident, I secured an observership and was awed by the institute's commitment to excellence. I returned in 2013 as a practicing ophthalmologist and learnt the beautiful and pure art of Phacoemulsification at the Bhubaneswar campus.

The pinnacle of my training came in 2015 when I enrolled for the long-term vitreoretinal fellowship. It was intense but worth it. I gained a vast amount of knowledge, learned valuable surgical skills and made long-lasting friends. My work ethics were forever re-wired according to the LVPEI values. I graduated in October 2016, becoming the seventh Vitreoretinal surgeon in Kenya.

Since the past five years, I have been working at the City Eye Hospital here and we are working towards making quality and affordable eye care accessible for all in my country. I have consulted on thousands of retina cases, done hundreds of vitreoretinal surgeries and we have recently been accredited as the first vitreoretinal surgical fellowship program in the country. I currently serve as the Chair of the Vitreoretinal Society of Kenya and as the Eastern Africa representative of the Africa Retina Society.



Dr Muchai Gachago

City Eye Hospital, Kenya
Retina-Vitreous Fellow (Batch - 2015-2017)

The Retina Faculty



Dr Komal Agarwal



Dr Soumyava Basu



Aakash Belanji



Dr Keerthi Bellala



Dr Umesh Chandra



Dr Navya Cherukuri



Dr Taraprasad Das



Dr Vivek Dave



Dr Megha Gulati



Dr Mukesh Jain



Dr Subhadra Jalali



Dr Aditya Kapoor



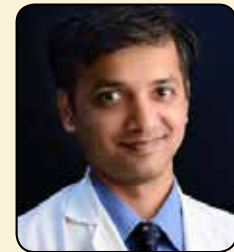
Dr Anup Kelgaonkar



Dr Anjani Khanna



Dr Padmaja Kumari



Dr Raja Narayanan



Dr Sameera Nayak



Dr Deepika C P



Dr Tapas Ranjan Padhi



Dr Srikant Kumar Padhy



Dr Bhavik Panchal



Dr Rajeev R Pappuru



Dr Anamika Patel



Dr Avinash Pathengay



Dr Vishal R Raval



Dr Nikitha Reddy



Dr Suman Sahu



Dr Niroj Kumar Sahoo



Dr Ayush Singh



Dr Brijesh Takkar



Dr Mudit Tyagi





