AIM

Achieve life salvage: So that all may live
Achieve eye salvage: So that all may keep their eyes
Achieve vision salvage: So that all may see
Dear friends,

In Liberia, little Jacob, a 3-year-old child, had a growth in his left eye since 6 months, which was relentlessly increasing in size. This growth not only caused a cosmetic blemish but also pain and loss of vision in his left eye. Little did the parents know that this was not a simple growth but an eye cancer, which could consume their little one’s life if left untreated. The medical team at Liberia examined the child and informed the parents about the need for treatment at a specialized eye cancer center. With support from the Liberian government, the child along with parents was flown to India for treatment at the Operation Eyesight Universal Institute for Eye Cancer at L V Prasad Eye Institute. Currently, the child is under our care and though the vision cannot be restored, but at least his life can be saved.

In the modern era, the traditional list of basic needs does not just include food, shelter, and clothing but also education and accessibility to good health care. In many underdeveloped and developing countries, there is lack of access to good health care system especially a good ocular oncology unit. The Operation Eyesight Universal Institute for Eye Cancer at L V Prasad Eye Institute has been established with the single goal of easy accessibility to world-class health care to all patients with eye cancer. And we are glad that we are accessible to not only patients in India but also to those from neighboring countries.

Team
The Operation Eyesight Universal Institute for Eye Cancer
Dr. Jesse L. Berry, Associate Director, Ocular Oncology, Children’s Hospital Los Angeles, USA visited the ocular oncology unit at the Operation Eyesight Universal Institute for Eye Cancer at L V Prasad Eye Institute in November 2016. She was amazed at the work done at the institute and expressed her pleasure and contentment in having spent an entire day with our oncology team.

Dr Jesse L Berry and Dr Swathi Kaliki with the fellows-in-training at the Operation Eyesight Universal Institute for Eye Cancer, L V Prasad Eye Institute.
Clinic Visits and Surgical Procedures for Patients Across the Network

<table>
<thead>
<tr>
<th>Clinic Visits and Surgical Procedures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patients diagnosed with eye tumours</td>
<td>136</td>
</tr>
<tr>
<td>Eye tumour related surgeries</td>
<td>115</td>
</tr>
<tr>
<td>Examination under anaesthesia</td>
<td>86</td>
</tr>
<tr>
<td>Children received chemotherapy</td>
<td>66</td>
</tr>
<tr>
<td>Ocular prosthesis dispensed</td>
<td>8</td>
</tr>
<tr>
<td>Tumour related pathology specimens studied</td>
<td>146</td>
</tr>
</tbody>
</table>

Total Cases - 136

- New Cases: 118
- Follow up: 18
Patient Profile Details

- Paying: 87
  - Female: 61
  - Male: 75

- Non Paying: 49

- Below 16: 57
- Above 16: 79
Ms Priyanka, a 16 year old student from Ganjam district of Odisha developed a swelling over the lower eye lid of left eye which was painful and gradually increasing in size over 3 months. She had also developed dark pigmentation around the lesion. Her parents were apprehensive and consulted the oncology unit at LV Prasad Eye Institute, Bhubaneswar campus.

On evaluation, there was a soft compressible mass just below the lower lid of the left eye, suggestive of eyelid lymphangioma (a vascular lesion). The patient underwent surgery for the same and the mass was removed completely from the inner side of the lid without any complication and without any scar on the skin. One month after surgery, there was no regrowth of the mass, no pain and she had normal vision. She and her parents were happy that she is now relieved of the tumor and has a good cosmetic outcome.
Rathnamma, a 78-year-old female resident of Tadikalapudi, Andhra Pradesh had developed an ulcerated swelling on the inner aspect of her right upper eyelid which was gradually increasing in size since 5 years. She had visited many local ophthalmologists who had diagnosed it as eyelid infection and given antibiotic ointment for all these 5 years. However, the noduloulcerative mass kept on increasing in size and had started bleeding since the past 10 days which finally brought her to LVPEI’s Kode Venkatadri Chowdary Campus, Vijayawada. She was clinically diagnosed as having right upper eyelid basal cell carcinoma by Dr Anasua Ganguly Kapoor who performed an excision biopsy of the mass followed by eyelid reconstruction. On histopathology, the diagnosis of basal cell carcinoma was confirmed. The old lady was awed to have got back a new lease of life after 5 years of fight with the disease. On her last follow up almost 2 months after surgery, out of gratitude she exclaimed ‘I am extremely satisfied with the treatment I have received and the final cosmetic outcome.’ She and her family thanked Dr Anasua and the entire hospital staff immensely as she returned home elated.
Publications


- Kaliki S, Kamal S, Fatima S. Ocular surface squamous neoplasia as the initial presenting sign of human immunodeficiency virus infection in 60 Asian Indian patients. Int Ophthalmol 2016 Nov 8. [Epub ahead of print]

Services Provided at The Operation Eyesight Universal Institute for Eye Cancer

Special Investigative Diagnostics
- A and B-scan ultrasonography
- Ultrasound biomicroscopy
- Digital fundus and slit-lamp camera
- Wide-angle fundus photography (RetCam)
- Digital fluorescein angiography, and Indocyanine green angiography
- Optical coherence tomography
- Computed tomography (CT), Magnetic resonance imaging (MRI), Positron emission tomography (PET-CT), Radionucleotide studies (in collaboration)
- Ophthalmic oncopathology with Rapid intraoperative diagnostic facility including frozen section
- Ophthalmic Genetics and Molecular Biology

Cutting-edge Treatment
- Integrated multi-speciality approach
- Integrated cancer surgery and cosmetic reconstruction
- Semiconductor diode laser
- Transpupillary thermotherapy
- Photodynamic therapy
- Frequency-doubled Nd:YAG laser photocoagulation
- Cryotherapy
- Bloodless radiofrequency-assisted surgery
- Navigation-guided orbital surgery
- External beam radiotherapy - IMRT, IGRT, Rapid Arc and Stereotactic Radiosurgery (in collaboration)
- Ruthenium 106 plaque brachytherapy
- Systemic chemotherapy for ophthalmic/intraocular tumors
- Intra vitreal chemotherapy
- Intra arterial chemotherapy (in collaboration)
- Neurosurgical, ENT and head and neck oncosurgical support
- Custom made ocular prosthesis

Education & Training

Cutting-edge Eye Cancer Research
Clinicians

Swathi Kaliki
Head, The Operation Eyesight Universal Institute for Eye Cancer
Faculty, Oncology and Oculoplasty services, Hyderabad

Anasua Kapoor
Faculty
Oculoplasty, Oncology, and Dacryology services, Vijayawada

Vishal R Raval
Faculty
Retina and intraocular tumors
Vijayawada

Samir Mohapatra
Faculty
Oculoplasty, Oncology, and Dacryology services, Visakhapatnam

Devjyoti Tripathy
Faculty
Oculoplasty, Oncology, and Dacryology services, Bhubaneswar

Mohammad Javed Ali
Faculty, Oculoplasty, Oncology, and Dacryology services, Hyderabad

Milind N Naik
Head of the Oculoplasty Service
Faculty, Oculoplasty, Oncology, and Dacryology services, Hyderabad

Suryasnata Rath
Faculty
Oculoplasty, Oncology, and Dacryology services, Hyderabad

Tarjani Dave
Faculty, Oculoplasty, Oncology, and Dacryology services, Hyderabad

P Vijay Anand Reddy
Medical and Radiation Oncologist
Director, Apollo Cancer Hospital, Hyderabad
Visiting Faculty, L V Prasad Eye Institute, Hyderabad

Ruchi Mittal
Faculty
Ophthalmic pathology laboratory, Bhubaneswar, Visakhapatnam, Vijayawada

Pathologist

Ruchi Mittal
Faculty
Ophthalmic pathology laboratory, Bhubaneswar, Visakhapatnam, Vijayawada
Basic Research Scientists

Chitra Kannabiran
Scientist, Kallam Anji Reddy Molecular Genetics Laboratory, Hyderabad

Indumati Mariappan
Research Scientist, Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory, Hyderabad

Mamatha Reddy
Research Scientist, Bhubaneswar

Genetic Counsellors

Annie Hassan
Genetic counsellor, Hyderabad

Akhilesh Pujar
Genetic counsellor, Hyderabad

Ravi Shankar Chaudhary
Faculty optometrist, Ocular prosthesis clinic, Hyderabad

Arunima Mishra
Faculty optometrist, Ocular prosthesis clinic, Bhubaneswar

Ocular Prosthesis Faculty

Yashwanth Goud
Faculty optometrist, Hyderabad

Dharani Tripuraneni
Faculty optometrist, Hyderabad

Optometry Faculty
Unique Features of ‘The Operation Eyesight Universal Institute for Eye Cancer’:

- An exclusive institute for eye cancer that is one of its kind in the world
- The oncology services at LVPEI can claim to have more than a decade’s experience in offering plaque radiation therapy and treatment to all types of ophthalmic/ocular tumors. We continue to provide this service at ‘The Operation Eyesight Universal Institute for Eye Cancer’
- Entire value chain of services for eye cancer offered under one roof - patient care, research, education and rehabilitation
- Equipped with in-house chemotherapy unit for children
- The first and the only Institute in India to perform Navigation-assisted surgery for complex orbital tumors
- The first and the only Institute in India to offer exclusive ICO three-month fellowship for diagnosis and treatment of retinoblastoma
- Based on the socio-economic criteria, more than 50% patients are offered the same quality treatment entirely free-of-cost

LVPEI
So that all may see

LV Prasad Eye Institute

Hyderabad
Kallam Anji Reddy Campus
L V Prasad Marg, Banjara Hills
Hyderabad - 500 034
Telangana, India

Bhubaneshwar
Patia
Bhubaneshwar - 751 024
Odisha, India

Visakhapatnam
GMR Varalakshmi Campus
11-113/1, Hanumanthawaka Junction
Visakhapatnam - 530 040
Andhra Pradesh, India

Vijaywada
Kode Venkatadri Chowdary Campus
Tadigadapa
Vijayawada - 521 137
Andhra Pradesh, India

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