



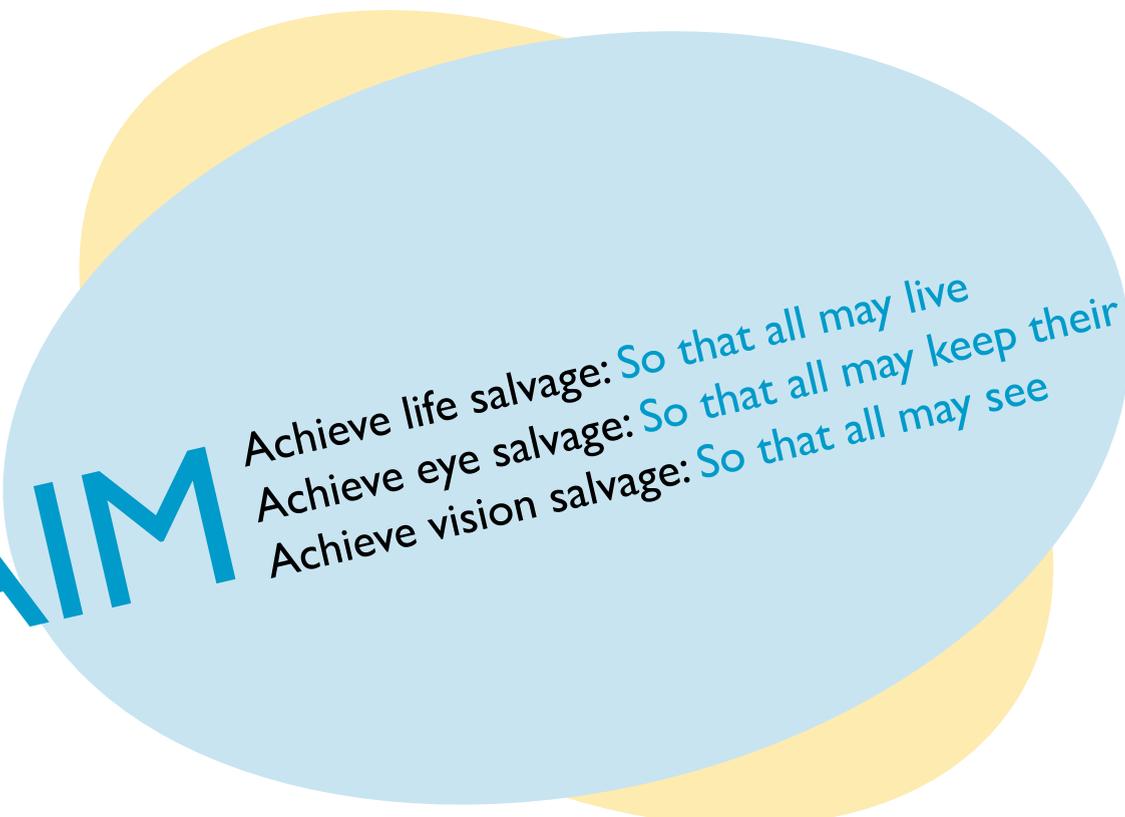
**L V Prasad Eye Institute**



# The Operation Eyesight Universal Institute for Eye Cancer

FEBRUARY  
2017





# 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,

February 4<sup>th</sup> of every year is celebrated as International World Cancer Day. This day is important since it is the day to raise awareness towards cancer and thus encourage its prevention, early detection, and efficient treatment. It is an important day to convey the message of commitment towards this initiative of cancer prevention and treatment. It is the day to infuse love, strength, and hope to those undergoing cancer treatment. Sometimes the battle is lost despite working very hard towards its treatment, but these are the individuals who inspire us to strive harder to spread the message of cancer prevention and early detection.

In some cultures, the word cancer is taboo. Similarly, eye cancers needing removal of an eye is taboo in certain societies. Health care professionals and the media play a gigantic role in challenging the false perceptions about cancer. A day such as the World Cancer Day is an opportunity to increase the knowledge about cancer, to break the myths associated with cancer, to improve the quality of cancer workforce, and to increase the accessibility to cancer care.

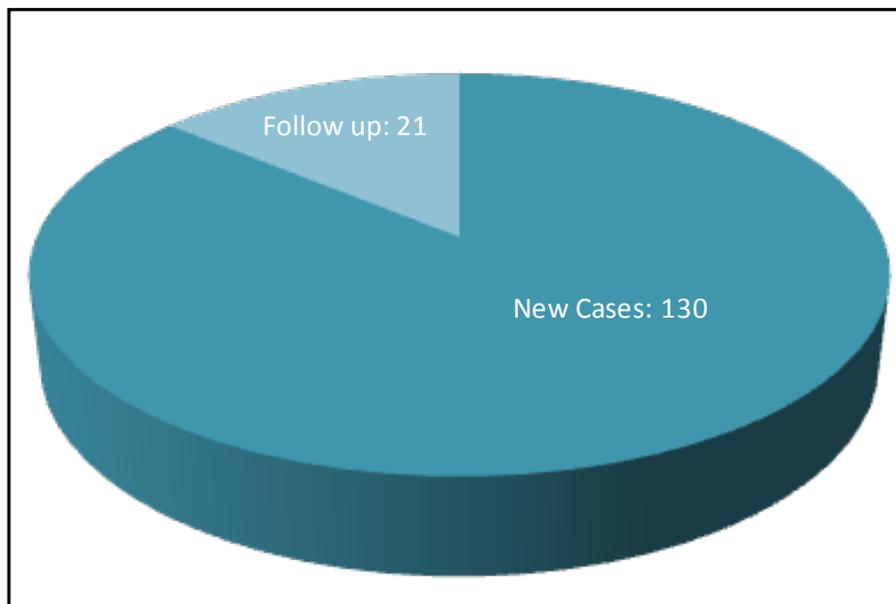
We can make a difference towards the fight against cancer only when every individual believes “I can” and every community and society believes “We can”!

Team

**The Operation Eyesight Universal Institute for Eye Cancer**

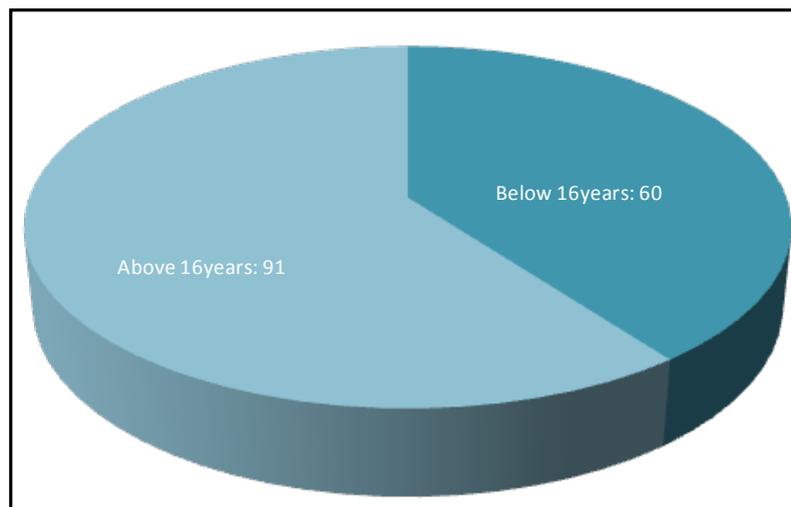
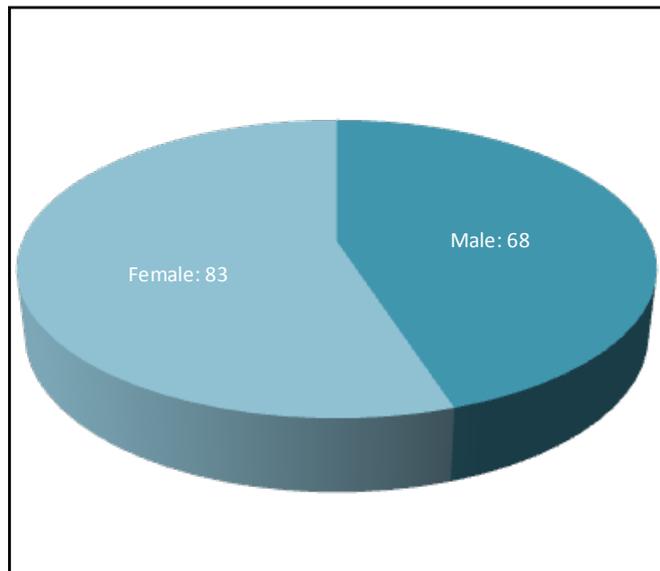
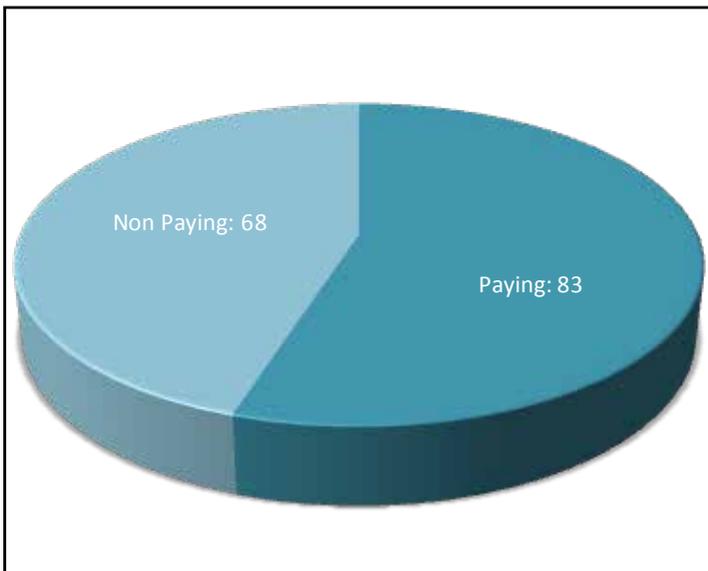
## Clinic Visits and Surgical Procedures for Patients Across the Network

Clinic Visits and Surgical Procedures	Total
Patients diagnosed with eye tumours	151
Eye tumour related surgeries	110
Examination under anaesthesia	136
Children received chemotherapy	64
Ocular prosthesis dispensed	15
Tumour related pathology specimens studied	95



**Total Cases - 151**

## Patient Profile Details



## Jaya Lakshmi overcame a lethal tumor



Mrs. Nandham Jaya Lakshmi, a 64-year-old female resident of Machlipatnam, Andhra Pradesh had developed an ulcerated nodule below the left lower eyelid which was gradually increasing in size since 2 months. She had visited a few local ophthalmologists from where she was referred to LVPEI's Kode Venkatadri Chowdary Campus, Vijayawada. She was clinically diagnosed as having left lower eyelid basal cell carcinoma by Dr Anasua Ganguly Kapoor who performed an excision biopsy of the mass followed by skin grafting. On histopathology the diagnosis of basal cell carcinoma was confirmed. On her last follow-up almost 1.5 years after surgery she exclaimed, "I hardly remember that I ever had cancer owing to the great cosmesis I have achieved after surgery."

## Mallick's encounter with cancer

Mr Ayushman Mallick presented to us on 31st December 2014 with a fleshy mass in his right eye. He had noted the red fleshy mass for 2 years. His visual acuity and intraocular pressure were normal for his age and he was otherwise healthy with no other chronic ailment. On closer examination, his right eye showed an elevated lesion on the ocular surface. The nature of the lesion and the adjacent blood vessels were suggestive of ocular surface squamous neoplasia (OSSN; eye cancer). Left untreated, the cancer was most likely to progress and threaten vision and the eye. Ayushman received 6 monthly injections of interferon with topical application in the intervening period. The response was good with a small residual lesion that was surgically removed. Biopsy of the residual lesion confirmed eye cancer. Two years after treatment Ayushman is free of eye cancer and retains good vision in the right eye. He lives happily with his family in West Bengal and is free of cancer.



## Publications

1. Kaliki S, Shields CL. Uveal melanoma: relatively rare but deadly cancer. Eye (Lond) 2017 Feb;31(2):241-257.
2. Kaliki S, Mohammad FA, Tahiliani P, Sangwan VS. Concomitant simple limbal epithelial transplantation after surgical excision of ocular surface squamous neoplasia. Am J Ophthalmol 2017 Feb;174:68-75.

Presentations made and awards won by the OEU Institute for Eye Cancer team at the recently concluded 75<sup>th</sup> AIOC conference, 16-19 February 2017, at Jaipur

## Presentations

### Anasua Ganguly:

- Co-instructor for an instruction course “Conjunctival and corneal tumors: Past, present, and future”: Interesting case scenarios.

### Suryasnata Rath:

- Ocular Presenting author of the paper “Time domain anterior segment optical coherence tomography in ocular surface squamous neoplasia.”

### Ruchi Mittal:

- Co-instructor for an instruction course “Conjunctival and corneal tumors: Past, present, and future”: Histopathology of ocular surface tumors

### Tarjani Dave:

- Presenting author for the paper “Outcomes of volume replacement after evisceration and enucleation with implant”
- Co-instructor for an instruction course “Navigation guided ophthalmic plastic surgery: A master course with hands-on experience”: Navigation guided socket reconstruction

### Milind Naik:

- Chief instructor for an instruction course “Navigation guided ophthalmic plastic surgery: A master course with hands-on experience”
- Presentation on “Introduction to navigation technology”
- Presentation on “Navigation guided orbital surgery”

### Swathi Kaliki:

- Chief instructor for an instruction course “Conjunctival and corneal tumors: Past, present, and future”
- Presentation on Ocular surface squamous neoplasia: Diagnosis and management

- Presentation on Misdiagnosis and missed diagnosis of ocular surface squamous neoplasia: The clinical masquerades
- Co-instructor for an instruction course “Navigation guided ophthalmic plastic surgery: A master course with hands-on experience”: Navigation guidance in ocular oncology
- Co-instructor for an instruction course “Retinoblastoma: Mission Possible”: Post-operative adjuvant therapy: What, when, and how?
- Presenting author for the paper “Recombinant Interferon Alfa 2b for OSSN: an efficient and cost effective treatment modality for Asian Indian patients”
- Co-author for the paper “Lesions simulating ocular surface squamous neoplasia (OSSN) clinically: a histopathological analysis”

## Awards

1. **Suryasnata Rath:** Best paper of the “Ocular pathology” session for “Time domain anterior segment optical coherence tomography in ocular surface squamous neoplasia”
2. **Swathi Kaliki:** Best paper of the “Inflammation” session for “Recombinant Interferon Alfa 2b for OSSN: an efficient and cost effective treatment modality for Asian Indian patients”



# 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 Indocyaning 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



**P Vijay Anand Reddy**

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



**Mohammad Javed Ali**

Faculty, Oculoplasty, Oncology,  
and Dacryology services,  
Hyderabad



**Tarjani Dave**

Faculty, Oculoplasty,  
Oncology, and Dacryology  
services, Hyderabad



**Anasua Kapoor**

Faculty  
Oculoplasty, Oncology,  
and Dacryology services,  
Vijayawada



**Samir Mohapatra**

Faculty  
Oculoplasty, Oncology,  
and Dacryology services,  
Visakhapatnam



**Milind N Naik**

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



**Suryasnata Rath**

Faculty  
Oculoplasty, Oncology,  
and Dacryology services,  
Bhubaneswar



**Nirav D Raichura**

Faculty, Oculoplasty,  
Oncology, and Dacryology  
Services, Visakhapatnam



**Vishal R Raval**

Faculty  
Retina and intraocular tumors  
Vijayawada



**Devjyoti Tripathy**

Faculty  
Oculoplasty, Oncology,  
and Dacryology services,  
Bhubaneswar



**Ruchi Mittal**

Faculty  
Ophthalmic pathology  
laboratory, Bhubaneswar,  
Visakhapatnam, Vijayawada

## Pathologist

## 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*



**Jaganmohan Reddy**  
*Research Scientist,  
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

## Optometry Faculty



**Yashwanth Goud**  
*Faculty optometrist,  
Hyderabad*



**Dharani Tripuraneni**  
*Faculty optometrist,  
Hyderabad*



**Mansha Palo**  
*Faculty optometrist,  
Hyderabad*



**Chukka Vani**  
*Faculty optometrist,  
Hyderabad*

## 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



### 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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