



## **VISION**

To eliminate preventable blindness and rehabilitate non curable blindness



## **MISSION**

To provide quality eye care services

To extend the reach of eye care services to needy people through outreach

To Develop qualified ophthalmic human resources through academics and training

To provide evidence through research and evolve method to translate existing evidence and knowledge into effective action

To reduce corneal blindness through eye banking

To rehabilitate non curable blindness through low vision aid/service to improve quality of life



## **VALUES**

Center of excellence in Ophthalmology

Affordable and quality care to everyone

Research and academic strengthening

Establishment of strong relationship with partners

**We not only cure, we CARE**



## *Message from the President* \_\_\_\_\_ **CNNJS and Chairman LEIRC Board**

Lumbini Eye Institute and Research Center has evolved as a center of excellence in eye care and is considered as one of the notable examples of self- sustainable eye care facility. This institute is committed towards achieving the noble objectives of Nepal Netra Jyoti Sangh in delivering high quality comprehensive eye care as well as developing ophthalmic human resource for eye care in Nepal.

It gives me immense pleasure to know that LEIRC is publishing annual report 2079/80. In addition to presenting performance of a year, I do hope this report will be useful for reflecting upon the challenges and the achievements of the year in furtherance of the mission of LEIRC.

On behalf of the entire NNJS family, I would like to thank all the concerned stakeholders for their support and cooperation in addressing the needless blindness in that region.

On this occasion, NNJS volunteers and all the staffs of LEIRC deserve thanks for their untiring efforts for publishing noble work.

Thanking You



**Prof. Dr. Chet Raj Pant**  
President  
Nepal Netra Jyoti Sangh, Central Executive  
committee  
Chairman, Lumbini Eye Institute & Research  
Center Board



**Nepal Netra Jyoti  
Sangh delivering  
high quality  
comprehensive  
eye care as well  
as developing  
ophthalmic human  
resource for eye  
care in Nepal.**



*Message from*

## The President NNJS Province-5 & Chairman HMC

It is our immense pleasure that Lumbini Eye Institute and Research Center has completed one more fruitful year by working at its level the best in preventive, curative and rehabilitative eye care services, research and academics.

We have come across many hurdles and summits till date to reach to the point at which we are in eye care services since 1983. LEIRC has established itself as the tertiary eye hospital and has been delivering the qualitative, comprehensive and affordable services to the public in the western region of Nepal. With the aim to deliver eye care services, LEIRC has expanded its services through 5 secondary eye hospitals, 3 district eye care centers and 24 eye care centers for the unreached people. Along with the clinical services, LEIRC is also committed to generate skilled human resources.

I am really grateful to all the national and international partners, our staff, local communities and stakeholders, who have been supporting us directly or indirectly to develop LEIRC as the model tertiary eye care center and helping us to fulfill our motive to eliminate the avoidable blindness and prevent the people go blind due to economic reasons.

I would like to express my gratitude to all the contributors who are involved in the publication of this issue of Annual report 2022/23.

With my best wishes,



**Mr. Sagar Pratap Rana**  
President,  
Nepal Netra Jyoti Sangh, Province 5  
Chairman, Hospital Management Committee,  
LEIRC /SRASEH



LEIRC has expanded  
its services through  
5 secondary eye  
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unreached people.



## Message from the Desk of Chief Medical Director

It gives me immense pleasure and happiness to see the new edition of annual report of LEIRC. Annual report is not just a continuation of previous year but it reflects us the activities we did in the whole year and gives us a way to move ahead. From the establishment of the hospital, we are always focused on patient centered, equitable and affordable quality eye care service to everyone. The latest RAAB survey data of Lumbini Province has also indicated us for better planning to reduce avoidable blindness in Lumbini Province. It gives me feeling of pride that LEIRC is contributing nationally and internationally by providing qualified human resources through its various academic programs. As per latest NNJS grading system of its eye hospitals, currently we have been labeled as Tertiary Eye Hospital with Institute of Ophthalmology and we are moving rapidly to upgrade ourself as a center of Excellence in ophthalmology soon in coming years. This won't be possible without everyone's effort.

I would like to congratulate and thank the entire team who has given their tireless effort to prepare and publish this annual report.



**Prof. Dr. Gyanendra Lamichhane**  
Chief Medical Director  
Lumbini Eye Institute and Research Center  
Shree Rana Ambika Shah Eye Hospital



From the  
establishment of  
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always focused on  
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affordable quality  
eye care service to  
everyone



## Message from Administration

It gives us the bundle of happiness to handover our beautiful progress report of 2022/23 which has the birds eye view of the major event that occurred in this historical eye institute

Lumbini Eye Institute and research center, a well-known tertiary eye hospital has been joining the hands in the mission to provide comprehensive eye care service and prevent the avoidable blindness for the last 41 years, since its establishment.

The working year 2022-23 was really effective for LEIRC in eye care service, research and academics. Our eye care service is not only limited in hospital but also, we have decentralized our services via Secondary Eye Hospitals, District Eye Care Centers and Primary Eye Care centers in different parts of western Nepal. The concept of decentralization is to provide door to door service to the community. At the same time free DST and surgical camps are dedicated to poor, marginalized and elderly people. All these activities are carried out via preprogramed outreach eye care service.

I would like to express my gratitude to all the members of LEIRC team who have put their immense effort to make this institute what it is today. We are also thankful to the local communities, national and international partners and all the stakeholders who have faith on us. Thank you all for your valuable contribution in publication of annual report 2022-23.

Thanking you



**Prakash Rayamajhi**  
Hospital Manager  
Lumbini Eye Institute and Research Center  
Shree Rana Ambika Shah Eye Hospital



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## *Message from the* **Account and Finance**

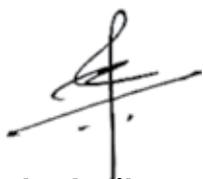
I am pleased to present the financial overview of Lumbini Eye Institute and Research Center-Bhairahawa for the fiscal year 2079/80. Despite the number of challenges posed by internal and external factors, our financial performance reflects the resilience and adaptability of our institution.

Our institution achieved 11.61% increases in revenue and 3.65% increases in net surplus compared to the last fiscal year. Our balance sheet remains strong, with a healthy liquidity position with zero debt and manageable liabilities. This financial strength provides us with the flexibility to pursue growth opportunities and weather unforeseen challenges.

In keeping with our goals of offering door-to-door service to eye patients, we expanded our reach into rural areas this fiscal year as well. We opened a new eye care center in Marchawari Rural Municipality and also included the necessary funding in the budget for the establishment of an eye care center in Karnali province of Dolpa district. With the assistance and sponsorship of donors and hospital funds, we also frequently run a number of free surgery and screening camps to aid underprivileged patients. Each of these programs helps us towards our aim of building a nation free from preventable blindness.

This would not be possible without the unwavering support of our partner organization, funders, stakeholders, and dedicated hospital staff and members.

Finally, I would like to express my gratitude to editorial board of annual report for their effort and dedication.



**Bhesh Bikram Thapa**  
Chief Financial Officer  
Lumbini Eye Institute and Research Center  
Shree Rana Ambika Shah Eye Hospital



**Our balance sheet  
remains strong  
with healthy  
liquidity position  
with zero debt,  
and manageable  
liabilities.**



We are always thankful and would like to express our sincere gratitude to our partner organizations for their continuous support



**SEVA FOUNDATION, USA**



**SEVA CANADA SOCIETY, CANADA**



**LIONS CLUB INTERNATIONAL, SIGHT FIRST**



**LIONS CLUB INTERNATIONAL, MD 102**



**LIONS CLUB OF SIDDHARTHANAGAR**



**ARAVIND EYE CARE SYSTEMS**



**ROTARY INTERNATIONAL**



**SEE INTERNATIONAL**

We also extend our gratitude to the thousands of individuals and organizations who supported our work.

# Overview

Lumbini Eye Institute and Research Center (LEIRC), Shree Rana Ambika Shah Eye Hospital has been providing quality hospital and community-based eye care services since 1983 AD. With the vision of reaching the unreached and to prevent avoidable blindness, it has now 5 secondary eye hospitals, 3 district eye care centers and 24 eye care centers under its network.

LEIRC is spread over an area of 1.27 Hector just 2.4 km away from the Belahiya Indo Nepal border. Patients from Nepal and the neighboring country India are getting regular services at affordable prices. At the hospital patient screening is done at ophthalmic assistant OPD and are examined by general ophthalmologists. Patients who need the expert subspecialty services are referred to the speciality clinics. LEIRC is running the regular speciality OPD and OT services. Besides 24 hour emergency services is provided to the patients.

We have good OPD units, OT team, indoor unit, laboratory, ophthalmic investigations (major and minor), pharmacy and optical unit. We also have a separate academic and research block for the teaching and research activities.

Quality patient care is an utmost priority of LEIRC with the objective of patient satisfaction, awareness and increasing demand for better care.

## Hospital Performance

July 2022 – June 2023



**Total Out-Patients**  
**328,842**

**Total Surgeries**  
**39,855**

<b>Outreach Activities</b>	<b>No. of Patients examined</b>
DST camp	<b>9555</b>
Refraction Camp	<b>868</b>
Pediatric Camp	<b>2126</b>
Low vision camp	<b>158</b>
Diabetic Retinopathy camp	<b>325</b>
School Screening	<b>323</b>
Total OPD from outreach	<b>13387</b>

## Outpatients at Secondary Eye Hospitals

Palpa Lions Lacoul Eye Hospital	37012
Dr. Binod Nita Kandel Eye Hospital, Parasi	39716
Butwal Lions Eye Hospital	65762
Taulihawa Eye Hospital	26490
Krishnanagar Eye Hospital	14990

## Outpatients at District Eye Care Centers

Pyuthan Eye Care Center	12745
Gulmi Eye Care Center	11539
Arghakhachi Eye Care Center	14557

## Eye Care Centers (Outpatients)

Eye Care Center, Lumbini, Rupandehi	4366
Eye Care Center, Sainamaina, Rupandehi	2522
Eye Care Center, Siyari (Amuwa), Rupandehi	3171
Eye Care Center, Samarimai, Rupandehi	6436
Eye Care Center, Rohini, Rupandehi	5248
Eye Care Center, Tillottama, Manigram	1859
Eye Care Center, Suddhodhan, Rupandehi	2017
Eye Care Center, Marchawari, Rupandehi	274
Eye Care Center, Saljhandi, Rupandehi	2292
Eye Care Center, Devdaha, Rupandehi	394
Eye Care Center, Rainadevi Chhahara, Palpa	766
Eye Care Center, TinauDobhan, Palpa	692
Kaligandaki Eye Care Center, Rampur Palpa	14564
Eye Care Center, Shantipur, Gulmi	1181
Eye Care Center, Wamitaksar, Gulmi	2920
Eye Care Center, Simaltari, Gulmi	706
Eye Care Center Thada, Arghakhachi	1619
Vision Satellite Clinic (Vujahawa & Suryapura) Nawalparasi	929
Eye care center, Triveni, Nawalparasi	519
Eye care center, Bhingri, Pyuthan	1954
Eye care center, Gaumukhi, Pyuthan	227

# Surgery and Ophthalmic Imaging Details

(July 2022-June 2023)

Cataract Surgery	30088
Combined surgery	154
Glaucoma surgery (Trab)	257
Vitreo - Retina Surgery	1231
Squint correction	98
Corneal surgery	1726
Orbit and Oculoplasty	1887
Pediatric surgery under General Anesthesia	1088
Ophthalmic Imaging	16483



# General Ophthalmology OPD

General ophthalmology OPD is one of the busiest clinics in LEIRC. Most of the patients referred after screening by ophthalmic assistants are examined here. After detailed evaluation by the ophthalmologists, many cases are managed in the clinic itself while the cases that need further sub-speciality services are referred to the respective departments. Almost all the cataract admissions are done by the general ophthalmology clinics. Besides all the post-cataract cases examination and Yag-capsulotomies are also being done by the ophthalmologists from the clinic.



## Cataract Services

Globally, cataract is the single most important cause of avoidable blindness, and cataract surgery has been shown to be one of the most cost-effective health-care interventions. Cataract is related to ageing and cannot be prevented, but cataract surgery and insertion of an intraocular lens are highly effective, resulting in early visual rehabilitation. This year, we did 30088 cataract surgery including small incision cataract surgery (24327) and phacoemulsification (5761) with foldable lens. At LEIRC, we keep the cataract services well managed with high quality even at the peak season. We are helping to reach the unreached through the eye care centers in different rural areas of Nepal.

## Sub-Speciality Services

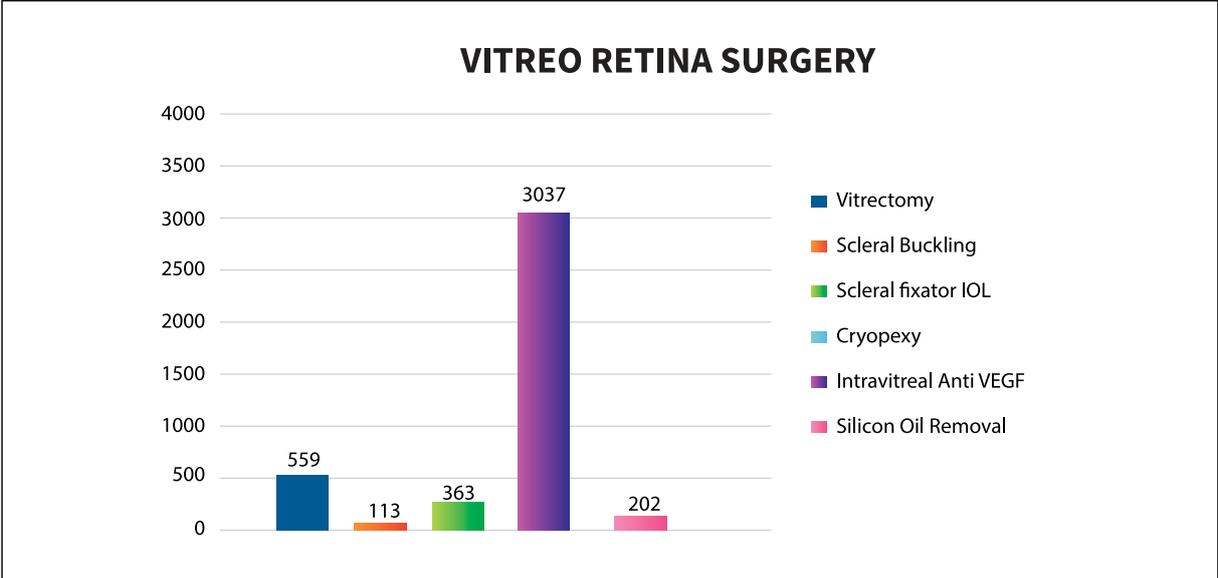
### 1. Vitreo-Retina

In the era of modern ophthalmology, Vitreo-Retina (VR) is the most challenging as well as demanding subspeciality globally. In context of LEIRC, VR clinic is one of the busiest clinics throughout the year. Unlike seasonal patients in cataract, VR clinic is loaded with patients round the year. We served total of 28033 patients this year. It is solely a tertiary care eye hospital around 200 Km providing retina services. The clinic has the modern equipment's for investigation and treatment.



At present, we have two VR surgeons and one medical retina consultant. We provide almost all VR services including surgeries, lasers, intravitreal procedures, invasive and non-invasive imaging and investigations. Apart from this, community-based awareness and screening programs on important retinal disease like diabetic retinopathy and age-related macular degeneration has been regularly provided through our outreach programme regularly.

We have two vitreo retinal fellows in our department. Mobile diabetic retinopathy camps, ROP screening and to establish LEIRC as Retina hub in western region are our future plans.



## 2.Uvea

Uveitis subspecialty service in LEIRC is provided in all working days. In Patient Department (IPD) service is available for surgical cases and those who need systemic intravenous medications. Periocular injections via subconjunctival and subtenon routes are usually provided in OPD services. We are giving antibiotics, antiviral drugs and bevacizumab via intravitreal routes in major OT. Major ocular surgeries like complicated cataract surgery (small pupil/Iris Hooks/SICS/

Phaco), pupilloplasty, core vitrectomy, glaucoma filtration surgeries are scheduled accordingly. We have ancillary test including FFA, OCT, B-scan which are very important for effective management of uveitis case. Clinical photography such as anterior segment photography and fundus photography are useful documentation and research evidence. Besides that, it is very easy to counsel about the disease course and prognosis to patients with the help of photography. We are providing good quality tertiary level OPD and IPD service in LEIRC and receiving referral cases from our different satellite eye hospitals and other eye hospitals for chronic cases and emergency cases. This year uvea services were provided to 200 patients.

### 3. Cornea



Cornea is one of the essential components of eye to form a clear image of any object. Corneal diseases are the major causes of blindness in the developing countries. LEIRC, a tertiary eye care center has been providing cornea special services to its patients from Nepal as well as our neighboring country India. Patients are also referred from the primary and secondary eye care centers of LEIRC network.

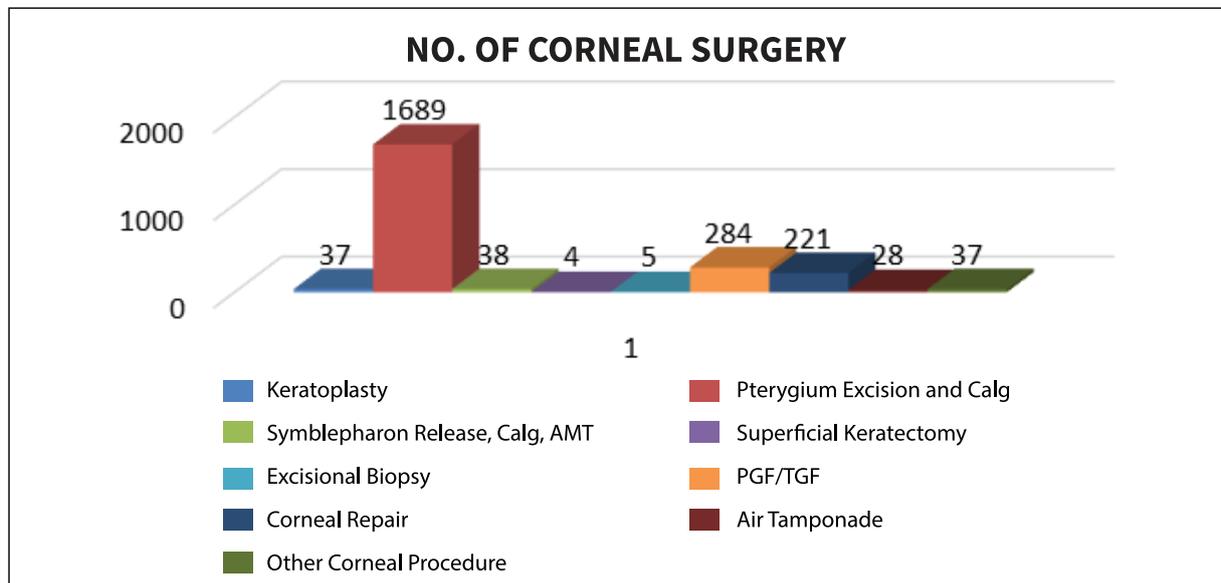
At present, we have two cornea consultants providing the services and also training the residents, ophthalmic assistants and optometrists posted in the cornea OPD. Besides, we are also conducting long-term fellowship program in “cornea and external ocular diseases” so as to generate more efficient manpower in the cornea sub-specialty.

Our surgical services include cornea transplantation, pterygium excision with autologous graft, ocular surface reconstruction with amniotic membrane transplantation, excisional biopsy, pedicled conjunctival flap, primary corneal repair, complicated cataract surgery, etc

In the cornea OPD, we mainly deal with bacterial and fungal corneal ulcer, viral keratitis, dry eyes, corneal foreign bodies etc. In this year, we provided services to 27161 patients.

In the near future, we are planning to start DMEK, DSEAK (lamellar corneal transplantation) and collagen cross linking services too.

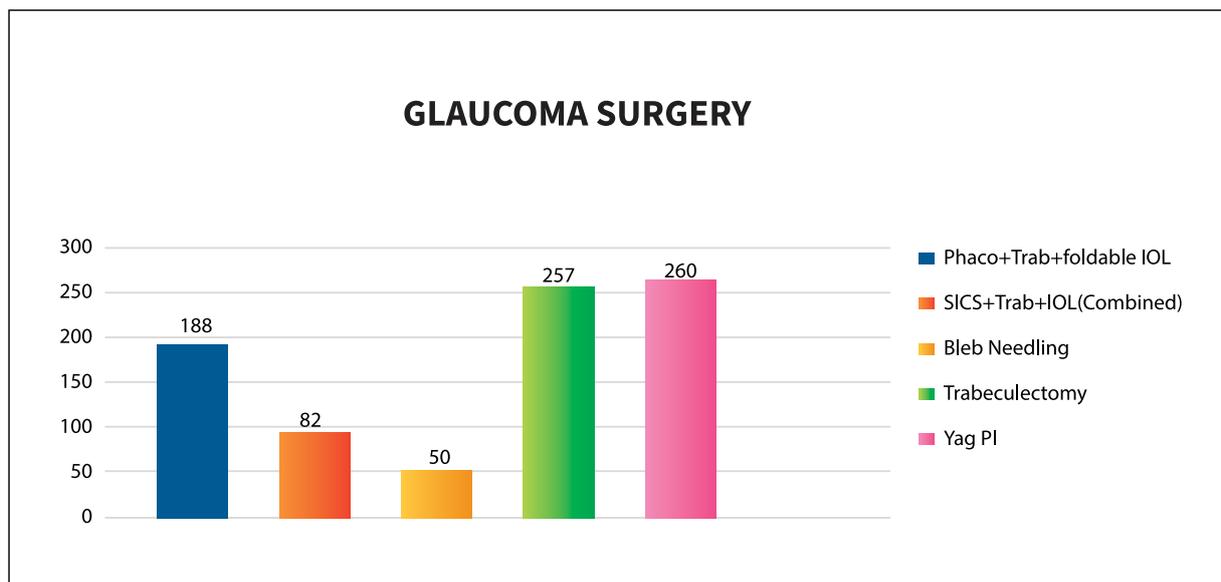
Besides, our department is also involved in regular research activities. We are strongly determined and committed to provide the quality cornea services to our patients.



## 4. Glaucoma

Glaucoma is the second leading cause of blindness in the world. The risk factors of glaucoma include: age, family history of glaucoma, diabetes, eye injury, far or nearsightedness and long-term steroid use. Irreversible blindness is increasing in the world due to glaucoma. Glaucoma subspecialty services in LEIRC are provided in all working days. Glaucoma clinic saw 19072 patients this year. For early detection and management of glaucoma, department has installed advance diagnostic equipment like OCT, HFA and Pachymetry.

We have been providing medical, LASER and adult glaucoma (Trabeculectomy, PhacoTrab and SICStrab) and Pediatric glaucoma (Trab+Trab, Trab+MMC) surgery at reasonable cost.





## 5. Orbit and Oculoplasty

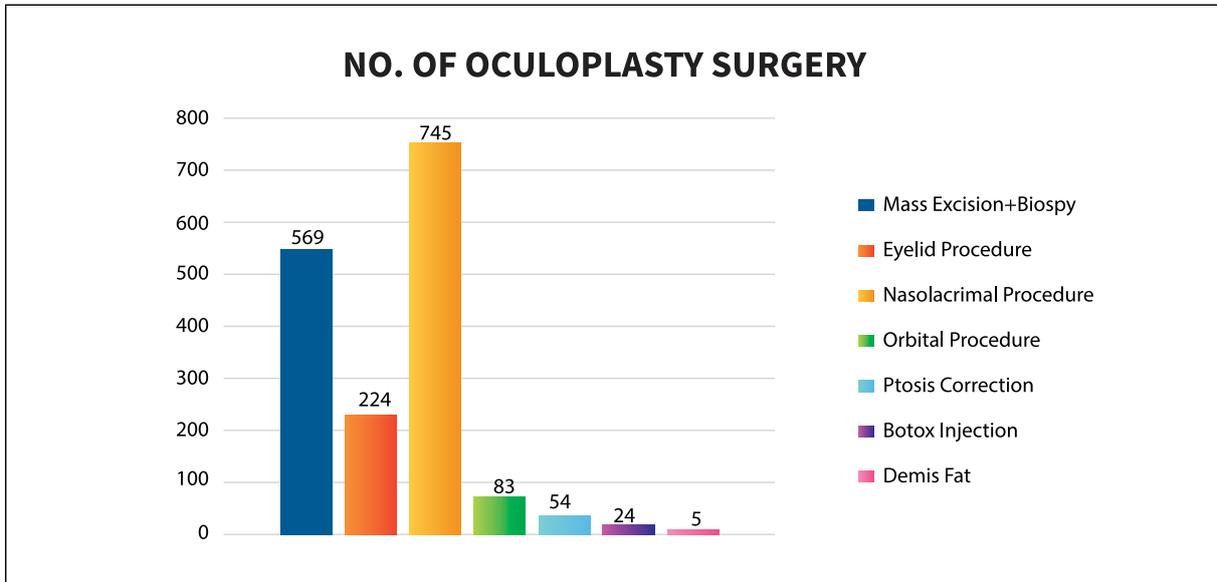
Orbit, Oculoplasty and Ocular Oncology, a distinct subspecialty handles anomaly of orbit (eye socket), eyelids, tear ducts, and the face. It also deals with the reconstruction of the eyelid and associated structures. We receive a number of referrals of common and uncommon lid and orbital tumors, orbital inflammations and infections which are managed both conservatively and surgically. A large number of patients with thyroid related orbitopathy are treated; in collaboration with the general physician. We frequently deal with watery eyes due to obstruction in tear drainage system both in children and adults. The department offer both external and endonasal dacryocystorhinostomy for the chronic dacryocystitis with Nasolacrimal Duct Obstruction.

A number of patients are seen daily with a variety of eyelid disorders including malpositions like droopy eyelids, in turning or out turning of eyelid, benign and malignant eyelid tumors, facial



dystonias etc. The service also includes surgical corrections for ptosis, entropion, ectropion, and eyelid reconstructions after trauma or post tumor removal. We also deal with a number of cosmetic eyelid surgeries like blepharoplasty, brow lift and injection of botulinum toxin (Botox) for facial dystonias and cosmetic indications are performed. We are aiming to build chemotherapy unit for the common ocular cancers like retinoblastoma, lymphoma, melanoma etc. in collaboration with oncologist.

The total number of our OPD patient was 10601 this year. We are currently running one-year

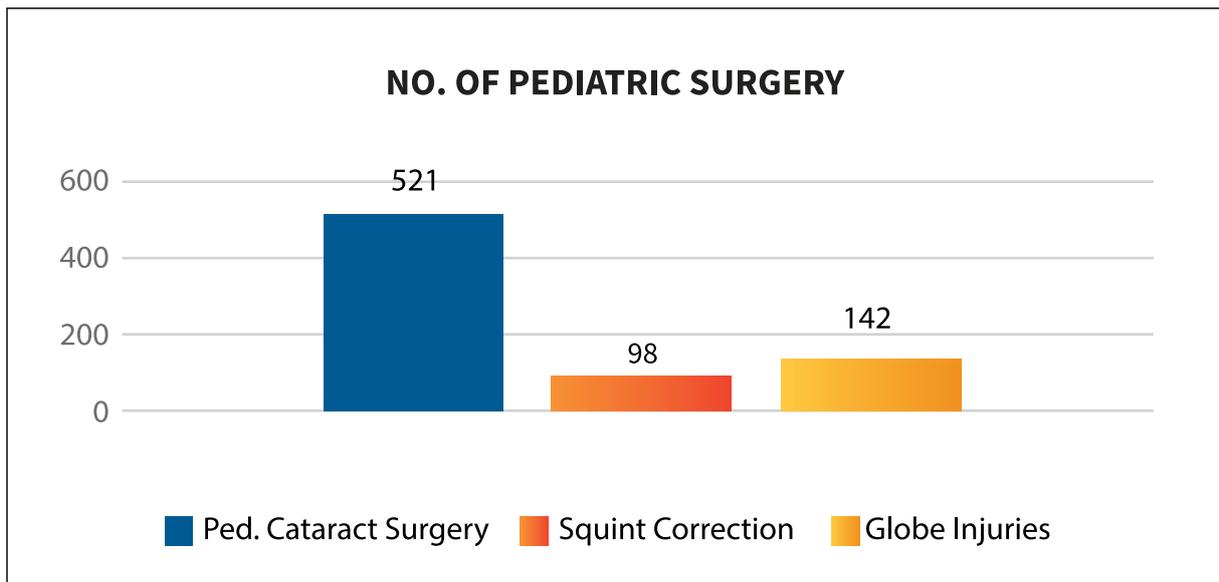


orbit and oculo-oculoplasty fellowship, one ophthalmologist has completed and one ophthalmologist has been doing fellowship in this year.

## 6. Pediatric Ophthalmology and Neuro Ophthalmology Department

Our pediatric ophthalmology, strabismus and neuro-ophthalmology department is well recognized tertiary center for both child friendly pediatric eye care services and for well-





established teaching and training center. Our department is indocently on a single roof including all the facilities of registration, general OPD, refraction, orthoptics, vision therapy, pharmacy, optical and counselling. With the help of ORBIS and SEVA foundation, the hospital has no stone left unturned to make this department, a gold standard in clinical services and academics. We invariably provide services with care and compassion with commitment to meet WHO childhood blindness mission. Our faculty consists of two pediatric Ophthalmologist and one fellow and well trained four optometrist, one orthoptist, one counselor. Till now our department trained 10-12 pediatric ophthalmologist. We provide all types of child eye care services such as cataract, strabismus (pediatric and adult) management, pediatric diseases/ syndromes, refractive error/amblyopia, ROP screening and low vision. In neuro-ophthalmology we manage the cases like AION, Optic neuritis, etc. This year we have provided pediatric ophthalmology and strabismus services to 39177 patients. We furnished neuro-ophthalmogy services among 1944 patients in which we managed the cases like AION, Optic neuritis, etc. out of which 20 patients were managed with methyl prednisone injection.

## Vision Therapy Service

Vision therapy is a program that aims to improve a person’s visual abilities. It uses a variety of ways such as eye exercises, testing, occlusion with lenses and prisms, to treat a range of visual problems. Vision therapy majorly focuses on binocular abnormalities especially accommodation, vergences and suppression related.



We did binocular vision assessment in 38 patients with amblyopia and BSV problems (accommodation, Vergences, and intermittent exotropia) in them 28 patients were given home therapy after giving training of exercises (20 were trained for accommodative exercises and 8 were trained for Vergences exercises) in the clinics, 10 patients were enrolled in (in-hospital) therapy who used to come for the therapy daily basis or alternate days in clinics.

Our clinic is fully equipped with both manual instruments (bernelloscope, tranaglyph, aperature rulers etc) and software (Amblyopiainet, HTSinet etc). We also provide in-offices and home therapy both to the patient according to their disorders or symptoms.

## Orthoptics Services



Binocular single vision is the patient's ability to use both eyes simultaneously to achieve a single image perception. Binocular vision allows a person to have greater depth perception, or the ability to determine the distance between objects. An Orthoptic Examination comprises of a series of tests used to assess an individual's overall binocular vision status (the ability to use the eyes as a pair)

Our orthoptics department is well equipped for the assessment and diagnosis of binocular vision anomalies and diagnosis and we focused on the non-surgical management of patients with various eye conditions such as strabismus (squint), amblyopia (lazy eye), diplopia (double vision). Our clinic is also center point for screening of all the patient visiting at pediatric department. This year, we have evaluated 106 patients with strabismus.

Anisometropic amblyopia is commonest one following non paralytic esotropia, exotropia, paralytic esotropia and exotropia, Duane retraction syndrome (DRS) etc.

## Low Vision Service

Low vision is the vision problem that makes it hard to do everyday activities. It is the vision loss that cannot be corrected with Surgery or conventional eyeglasses. Most of the people with low vision have their residual vision that helps in performing their daily activities. Low vision services can help them to best possible uses of existing vision. The objective of our services is to enhance the residual vision through the use of optical and non-optical devices.



We do co-ordinate with National Association of Blind (NAB) and schools for blind for functional and educational assessment and support. 15 patients were benefited with optical low vision devices.

Thirteen patients were referred to NAB/other CBRs for orientation and mobility training.

26 patients benefited with distance and near glasses, and 54 patients were benefited with low vision services.

Macular dystrophy, rod cone dystrophy, optic atrophy, glaucoma, microphthalmos, high myopia, stargardt's disease are frequently seen cause for low vision in this hospital. During community program, we visited 3 school for blind and provide low vision services to the students.

## Contact Lens Service

Contact lens is the medical device and can be worn to correct vision as well as for cosmetic or therapeutic reasons. Contact lenses provide a safe and effective way to correct vision when used with care and proper supervision. Soft contact lens monthly/Yearly based contact lens is most commonly dispensed for optical correction following therapeutic contact lens for various corneal diseases and post-surgical cases. We are providing soft contact Spherical/ Toric Rose K, Bandage Contact lenses, Rigid Gas Permeable contact lens services. This year we have added specialty contact lens i.e. Mini scleral contact lens in our services We are planning to add one more speciality services like ORTHO K lenses in coming years .



## General and Microbiology Laboratory along with Biometry

Medical laboratory testing plays a crucial role in the detection, diagnosis and treatment of disease in patients. Laboratory tests help determine the presence, extent or absence of disease and monitor the effectiveness of treatment. An estimated 60 to 70 percent of all decisions regarding a patient's diagnosis, treatment, hospital admission and discharge are based on laboratory test results.



We have sufficiently equipped clinical laboratory. We offer wide range of tests that are essential in eye health care at affordable price. We deliver our clinical laboratory service through two different departments i.e. General Laboratory and Microbiology department.

We performed 1,17,063 different tests in general lab and did **1436** culture and sensitivity in microbiology lab in this year.

## Anesthesia Service

The department of anesthesia is dedicated for providing quality and safe anesthesia. Most ophthalmic procedures are performed under local anesthesia. For pediatric patient and few adult cases, general anesthesia is needed. Anesthesia service includes preanesthetic checkup (PAC), total intravenous anesthesia (TIVA), regional anesthesia, general anesthesia, pre-operative management and post operative management.

In our hospital anesthesia care is provided by a well-equipped anesthesia team consisting of two anesthesiologists and two assistants. We have post-operative anesthesia care unit (PACU) and a postoperative ward.



General anesthesia varies from technique utilizing anesthesia, muscle paralysis and controlled ventilation to ketamine/propofol infusion or volatile anesthetics with spontaneous ventilation on Laryngeal mask airway (LMA).

Patient welfare is an important consideration in ophthalmic service of adult patients with other systemic co-morbidities. In such cases monitored anesthesia care (MAC) is provided, where the anesthesiologist is ready for emergency management if needed. Preanesthetic checkup (PAC) is done by anesthesiologist before surgery and optimization is done if needed.

## Ear care service

As an eye hospital, we are providing eye care services. But many ocular conditions are associated with other systemic comorbidities as well. In view of patient comfort, we have provided ear care services. this year we provided ear care service to 899 patients.



# Community Outreach Services

## Surgical Visit

We have conducted 8 surgical visits at Pyuthan, 3 in Palpa, 21 in Krishnanagar and 13 at Parasi Eye Hospital.

## Diagnostic Screening and Treatment Camp (DST)

We conducted 36 DST camps at various places of Rupandehi under the support of SEVA foundation, and other local partners. We examined 9555 patients and among them 2507 patients were performed cataract surgery in LEIRC.



## Diabetic Retinopathy Camp

This year we conducted DR camps at various places of Rupandehi, Gulmi and Arghakhachi under the local support of community. Throughout the camp we examined 325 diabetic patients.



## Pediatric Eye Camp

We have conducted 15 pediatric eye camps at various places of Rupandehi District. We screened 2126 children.



## School Screening Camps

We conducted school screen camps in 2 schools of Rupandehi and examined 355 students. Among the screened students, 298 students were found with refractive error and provided free spectacles under the support of Seva Foundation



## Low Vision Camp

This year we have conducted Low vision eye camps in Rupandehi District where 158 patients were examined under the sponsorship of Mike Cassidy (USA), 6 children were provided free low vision devices.



## Refraction Camp

This year we have conducted 6 refractive camp in different places of Rupandehi where 868 patients we reexamined.



## Eye Health Education Activities

We conducted training on eye health education program by focusing the local volunteers like: Female community Health volunteers (FCHVs) and to the staff of eye care centers of Rupandehi district.



# Academic and Training Activities

## 1. Academic Program

LEIRC has different levels of training programs to produce man power in eye care services.

### A. MD OPHTHALMOLOGY

LEIRC offers 3 years MD ophthalmology residency program which is affiliated with National Academy of Medical Sciences. So far 35 MD residents have graduated from this institute. We have eleven MD residents (4 first year, 4 second year and 3 third year) at present in our institute.



## A. BACHELOR OF OPTOMETRY AND VISION SCIENCE

Under the affiliation with NAMS, we have started the Bachelor of optometry and vision science program since 2017. Currently three batches (24 students) of optometry are running at LEIRC.



## A. PCL OPHTHALMIC SCIENCE

LEIRC is also running PCL ophthalmic science program under CTEVT. Every year 40 new students are enrolled in three-year PCL in ophthalmic science program. Till today, twelve batches of students had graduated and three batches of students are studying in different years of the program.



**PCL OPHTHALMIC SCIENCE 1<sup>st</sup> YEAR**



**PCL OPHTHALMIC SCIENCE 2<sup>nd</sup> YEAR**



**PCL OPHTHALMIC SCIENCE 3<sup>rd</sup> YEAR**

## A. FELLOWSHIP PROGRAM

To strengthen the sub specialty services we are providing long-term and short-term fellowship program in Pediatric ophthalmology and strabismus, Vitreo-Retina, Oculoplasty and Cornea. This year we have been running Pediatric ophthalmology and strabismus, Cornea and Vitreo Retina fellowship program.

## E. SHORT-TERM TRAINING PROGRAMS

- **SICS and Phaco training program:**

LEIRC is providing Small Incision cataract surgery and Phacoemulsification training to national and international candidates to enhance the cataract surgery skill.



- **Comprehensive Micro Surgical Training**

We have been providing one-month comprehensive micro surgical training to MD residents from different eye hospitals.



## Library

Library plays very crucial role in teaching and learning process and is always an integral department of any academic institute. LEI has well managed library with sufficient books, journals and audio-visual learning devices. Library has two sections; electronic and traditional library.

It serves as the center for learning through various books, journals, newspapers and audio-visual learning devices and facilitates the research processes by providing required articles, journals and other related information. Apart from these services, library frequently organizes activities which enhance teaching and learning abilities of its users regularly.



## Research Department

LEIRC has a separate research department comprising Research committee and Institutional Review committee (affiliated with NHRC). Research team is working to promote the quality, standard and ethically sound eye health researches. This year, we conducted various research programs (Research Proposal development training, Data Management and analysis training, Ethics in health research etc) within LEIRC to build up research capacity of MD and Bachelor's students and employees of LEIRC and its periphery. Operational Research Capacity Building (ORCB) was conducted virtually in collaboration of Indian Institute of Public Health (IIPH) and Seva foundation. Four employees from LEIRC participated in the program. This year we published 2 new research articles in different national and international journals.



# PUBLICATIONS

**1. Profile of closed globe injury in a secondary eye hospital**

*Manita Sunam Godar,<sup>1</sup> Sushila Patel,<sup>1</sup> Nita Sunam Gamal,<sup>2</sup> Laxmi Devi Manandhar<sup>1</sup> Journal of Universal College of Medical Science (2022) Vol.10No.02 Issue 26*

**2. Prevalence of non-strabismic binocular vision anomalies among welders**

*Dikshya Khadka<sup>1</sup>, Priyanka Rajbhandari<sup>1</sup>, Nikhita Jacob<sup>2</sup>, International Journal of Ophthalmology and Optometry Volume 4, Issue 1, 2022, Page No. 18-23*

# STUDY COMPLETED

1. Pattern of astigmatism in children attending paediatric department in a tertiary eye hospital in Nepal -Ms. Aasma Marasini
2. Effects of daily digital screen usage on ocular health and binocular vision among children attending Lumbini Eye Institute and Research Center – Ms. Anusha Regmi
3. Status of Binocular Single Vision Among Ophthalmic Students of Lumbini Eye Institute and Research Center, Bhairahawa – Ms. Aprina Prajapati
4. Status of Level of Stereopsis in Anisometropic Amblyopia in patients attending at pediatric department of Lumbini Eye Institute and Research Center, Bhairahawa – Mr. Shubham Pratap Chaudhary
5. Prevalence and pattern of refractive errors in deaf and dumb school children in Western Nepal – Ms. Ranjana Aryal
6. Near visual acuity improvement in low vision patient with smart phone app – Mr. Milan Ale
7. Clinicopathological analysis of eye lid masses in the western part of Nepal – a cross sectional study – Dr. Ramita Kharel
8. Incidence of acute postoperative endophthalmitis following cataract surgery at tertiary eye care center – Dr. Lazza Singh
9. Outcome of post – traumatic endophthalmitis in pediatric population in Tertiary Eye Care Center of Nepal – Dr. Kriti Joshi
10. Comparison of Intraocular pressure measurement between Goldman applanation Tonometer and Tonopen” – Dr. Sabita Dhakal
11. Surgical outcome of pedicled conjunctival graft in corneal perforation – Dr. Manita Sunam Godar
12. Prevalence of novel pseudoisochromatic plates “C test” for Tritan discrimination among Diabetic Retinopathy at Tertiary eye Hospital in western region of Nepal, Observational Study” – Mr. Ananta Poudel
13. Profile of fungal keratitis observed at a tertiary eye hospital of Lumbini Province Nepal. – Mr. Sandip Bashyal
14. “Vitreotomy with Silicon oil infusion in severe Diabetic Retinopathy” – Dr. Amrit Banstola
15. Etiopathogenesis and Outcome of Acquired Lateral Rectus palsy in Tertiary Eye Care Center of Nepal – Dr. Kriti Joshi
16. Prevalence of refractive errors among under-five children in a tertiary eye care center of Lumbini province, Nepal – Hari Bdr. Thapa

# ON GOING RESEARCHES

1. Surgical outcome of closure of large macular hole with internal limiting membrane free flap technique – Dr. Sabita Dhakal
2. Pattern of ocular morbidities among the children between the age zero to five years in tertiary eye care center of Lumbini province, Nepal: A hospital based cross sectional study – Dr. Kabindra Bajracharya, Ms. Saraswati Khadka Thapa
3. Prevalence of refractive errors among children under-five in rural areas of Rupandehi District, Nepal – Bigyan Bhusal, 3rd year B.optometry students
4. Prevalence of refractive errors among children under-five in rural areas of Rupandehi District, Nepal – Mr. Hari Bdr. Thapa
5. Prevalence of uncorrected ametropia among headache patients visiting LEIRC– Sunil Bhusal
6. Clinical profile of pediatric cataract in a tertiary eye care center of western Nepal – Sarita Gyawali
7. Status of Ocular Biometric Parameters Among Young Adults visiting Tertiary Eye Care Center, a cross-sectional study- Samita Gurung
8. Status of stereopsis among pediatric groups with astigmatism attending in tertiary eye hospital of western Nepal- A cross sectional study -Mr. Anupam Acharya
9. Assessment of Interpupillary Distance (IPD) Among Nepalese Participants Attending in LEIRC: A Cross Sectional Study - Anshu Sharma10. Preference of optical low vision devices among patient with low vision attending in low vision clinic of Lumbini eye institute and research center- Bigyan Bhusal
11. Clinical profile of Amblyopia in children (5-16 years) in a tertiary eye hospital of Lumbini Province – Karuna Devkota
12. Prevalence and types of Diabetic retinopathy among diabetic patients in a tertiary eye care center of western Nepal – Bishnu Prasad Nau
13. Small incision cataract surgery in colobomatous eyes in a tertiary eye center of Western Nepal: Surgical outcome – Dr. Anjana Sapkota
14. Outcome of traumatic canaliculalaceration repair with monocanicular stent – Dr. Laxmi Devi Manandhar

# Other Activities in Lumbini Eye Institute

## 1. Annual Planning Meeting (2022/23)

Annual planning meeting of ECC's was held at Narpani Arghakhachi on (Bhadra 9, 2079) 25th August 2022. The meeting was attended by secretary general of central Nepal Netra Jyoti Sangh, Chairman of LEIRC/SRASEH management committee, chief medical director of LEIRC, representative from Seva foundation Nepal, LEIRC and secondary eye hospital's managers, clinic incharge and member of management committee of respective SEH, DECC & ECC. The objective of meeting was to discuss on current performance level and to set the future targets for each ECCs and hospital.



## 2. Hospital Day Celebration program

LEIRC/SRASEH completed 40 years on 29th November 2022. Every year we celebrate Hospital Day on Mangsir 13th of Nepali calendar. On the occasion of hospital day, we distributed fruits to the patients. Through the formal program, we distributed best employee award, long-term service award, best research paper award, best MD resident award, best PCL ophthalmic science award, and best faculty award. Different cultural program also organized with in its premises.



### 3. Research Training

With the aim of to build up capacity at research, Lumbini Eye Institute organized three different research related training in the institute in a year. It has organized Research report writing and publication training on 10-11th November 2022 which was last step training to those group who had already benefited with the research proposal development and data management and analysis training (ORCB, LEIRC 1st group).

This year we have provided Research Proposal Development training on 15th-17th February 2022, Data management and analysis with SPSS training on 22nd -23rd June 2023 for students and employees of LEIRC and its periphery (which was ORCB 2nd group of LEIRC). Twenty-six participants were participated in the program from different background i.e ophthalmologist, optometrists, Ophthalmic officer and assistants, MD residents and B. Optometry students of LEIRC and peripheral eye care centers.



### 4. Pediatric Refraction and vision therapy Training

Lumbini Eye Institute has organized the Pediatric Refraction and Vision Therapy Training for the students and employees to upgrade their knowledge regarding refraction and vision therapy. Nineteen participants were participated in the training which was conducted on June 14th -17th 2023, with six trainers from LEIRC.



# Human Resource Development Activities:

## 1. CME/ Conferences/Seminar/Workshops:

Clinical staffs working at various departments in LEI were deputed for various CME's, Workshop, Seminars etc conducted at various places during the year

S.N	Name of personnel	CME/Seminar/workshop/Meeting
1.	Prof. Dr. Gyanendra Lamichhane	Waste Management System & Journey of Quality Initiative and Its Impact Workshop, Biratnagar (26 <sup>th</sup> April 2023) Quality workshop, Bangalore India (17 <sup>th</sup> -20 <sup>th</sup> ) Designing the future strategic planning workshop program, Kathmandu (August 14 <sup>th</sup> - 16 <sup>th</sup> 2022) 12 <sup>th</sup> ACOIN(Late Dr.Pinaki Ranjan Roy Memorial ACOIN Award, Kashmir ,India(10 <sup>th</sup> -11 <sup>th</sup> September 2022 Nepal Cornea,Cataract and Refractive society Conference(for presentation)Kathmandu(June 3 <sup>rd</sup> 2023) Diabetic Retinopathy Awarness Program in Community (Nepal Eye Hospital, Kathmandu, for presentation on 24 <sup>th</sup> June 2023)
2.	Assoc. Prof. Dr. Sushila Patel	Quality and Safety in care workshop in May 2023, Pokhara (12 <sup>th</sup> 13 <sup>th</sup> May 2022 Nepal Cornea, Cataract and Refractive society Conference (for presentation) Kathmandu (June 3 <sup>rd</sup> 2023)
3.	Assoc. Prof. Dr. Kabindra Bajracharya	Quality and Safety in care workshop in May 2023, Pokhara (12 <sup>th</sup> 13 <sup>th</sup> may 2023) Waste Management System & Journey of Quality Initiative and Its Impact Workshop, Biratnagar (26 <sup>th</sup> April 2023) Quality workshop, Bangalore India (17 <sup>th</sup> -20 <sup>th</sup> June 2023) 12 <sup>th</sup> ACOIN (Late Dr.Pinaki Ranjan Roy Memorial ACOINAward, Kashmir ,India (10 <sup>th</sup> -11 <sup>th</sup> September 2022)
4.	Assoc. Prof. Dr. Binita Bhattarai	Two months observer fellowship in oculoplasty, Casey eye institute USA, 5 <sup>th</sup> June to 31 <sup>st</sup> July 2023) Quality and Safety in care workshop at Pokhara (12 <sup>th</sup> 13 <sup>th</sup> May 2023)
5.	Assoc. Prof. Dr. Sweta Singh	AIOS/AIOC conference 2022, at Mumbai India (2 <sup>nd</sup> -5 <sup>th</sup> June 2022) APAO conference 2023 at Kuala Lumpur, Malesia (23-26 <sup>th</sup> February, 2023)
6.	Asst. Prof. Dr. Manita Sunam Godar	Eyexcel program 2023, Pokhara (8 <sup>th</sup> -9 <sup>th</sup> May 2023) Nepal Cornea, Cataract and Refractive society Conference (for presentation) Kathmandu (June 3 <sup>rd</sup> 2023)

7.	Dr. Laxmi Devi Manandhar	AIOC2023, Kochi india (11 <sup>th</sup> -14 <sup>th</sup> May 2023)
8.	Dr. Amrit Banstola	AIOC 2023, Kochi India (11 <sup>th</sup> -14 <sup>th</sup> May 2023)
9.	Mr. Prakash Rayamajhi	Waste Management System & Journey of Quality Initiative and Its Impact Workshop, Biratnagar (26 <sup>th</sup> April 2023)  Designing the future strategic planning workshop program, Kathmandu (August 14 <sup>th</sup> 16 <sup>th</sup> 2022)
10	Mr. Bhesh Bikram Thapa Chhetri	Management and leadership training, Pokhara (10 <sup>th</sup> -11 <sup>th</sup> may)
10.	Mr. Hari Bahadur Thapa	Refreshment training on Refraction(trainer), Palpa Lions Hospital (29 <sup>th</sup> May-2 <sup>nd</sup> June 2023)  Refraction training at Kritipur Eye Hospital, Kathmandu as a trainer (30 <sup>th</sup> June-4 <sup>th</sup> July 2023)
11.	Mr. Sudeep KC	Management and leadership training, Pokhara (10 <sup>th</sup> -11 <sup>th</sup> May 2023)
12.	Mr. Sanjeev Adhikari	Strategic vision building workshop to reduce avoidable blindness in Lumbini Province, Nepal at Bardiya (1 <sup>st</sup> -2 <sup>nd</sup> July 2022)
13.	Mr. Md. Samim Akhtar Khan	Eyexcel program-2023, Pokhara(8 <sup>th</sup> -9 <sup>th</sup> May 2023)
14	Ms Bimala Bajracharya	Quality and Safety in care workshop in may 2023, Pokhara (12 <sup>th</sup> 13 <sup>th</sup> may 2023)
15.		
16.	Mr. Amar Gautam	Eyexcel program-2023, Pokhara (8 <sup>th</sup> -9 <sup>th</sup> May 2023)
17.	Mr. Khem Raj Bhattarai	Nepal Ophthalmic Society Conference (NOSCON) Kathmandu, 4 <sup>th</sup> December 2021
18.	Mr. Arun Adhikari	Lab Yatra Training Programme(zeiss) Bangalore, India(17 <sup>th</sup> -21 <sup>st</sup> April 2023)
19.	Mrs. Bhumikala Bhandari	Waste Management System & Journey of Quality Initiative And Its Impact Workshop, Biratnagar (26 <sup>th</sup> April 2023)  Quality workshop, Bangalore India (17 <sup>th</sup> -20 <sup>th</sup> June 2023)
20.	Mr. Rohit Yadav	Eyexcel program-2023, Pokhara (8 <sup>th</sup> -9 <sup>th</sup> May 2023)
21.	Mr. Mahesh Aryal	Heidelberg Oct Training at Thiruvananthapuram, India(24 <sup>th</sup> -27 <sup>th</sup> August 2022)
22.	Mr. Dipendra Malla Thakuri	Account Training, Chitwan (17 <sup>th</sup> -19 <sup>th</sup> April 2023)
23.	Ms. Sipika Kattel	Account Training, Chitwan (17 <sup>th</sup> -19 <sup>th</sup> April 2023)
24.	Ms. Shristi Shakya	Refreshment training on Refraction, Palpa Lions Hospital (29 <sup>th</sup> May-2 <sup>nd</sup> June 2023)
25	Ms. Riya Thapa	Refreshment training on Refraction, Palpa Lions Hospital (29 <sup>th</sup> May-2 <sup>nd</sup> June 2023)

26	Ms. Aakriti Thapa	Refreshment training on Refraction, Palpa Lions Hospital (29 <sup>th</sup> May-2 <sup>nd</sup> June 2023)
27	Dr. Rubina Pradhan	ACLS two days training, Kathmandu trauma center (21 <sup>th</sup> -22 <sup>th</sup> August 2022)
28	Dr. Rajiv KC	ACLS two days training, Kathmandu trauma center (28 <sup>th</sup> -29 <sup>th</sup> August 2022)
29.	Dr. Anu KC	ACLS two day training, Kathmandu trauma center (28 <sup>th</sup> -29 <sup>th</sup> August 2022)
30	Dr. Aayusha KC	ACLS two day training, Kathmandu trauma center (23 <sup>th</sup> - 24 <sup>th</sup> August 2022)

## 2. Personnel Recruited During The Year

- i. Dr. Prakriti Pradhan
- ii. Dr.Pratistha Manandhar
- iii. Dr.Arati Kattel
- iv. Mr.Riyaz Ahamad Khan
- v. Mr.Ajay Pal
- vi. Mr.Md.Ateek Khan
- vii. Ms.Jamuna Thapa
- viii. Ms.Binjani Sahani
- ix. Ms.Saraswati Subedi
- x. Ms.Sunita Chaudhary
- xi. Ms.Kalpana Regmi Pokhrel
- xii. Ms.Sapana Khand
- xiii. Ms.Seema Bashyal
- xiv. Ms.Babita Thapa
- xv. Mr.Rinkesh Kumar Dubey
- xvi. Mr.Bed Prakash Kurmi

## 3. Personnel Resigned/Retired During The Year

- I. Dr. Sweta Singh
- II. Dr. Roshan Dev Yadav
- III. Dr. Aman Gupta
- IV. Dr. Harshika Rauniyar
- V. Ms. Amrita Kumari Shrestha
- VI. Ms. Bhagwati B.C

- VII. Mr. Lal Bahadur KC
- VIII. Mr. Pramod Chaudhary
- IX. Mr. Roshan Gurung

## 4. Rewarded Employees:

### Nepal Netra Jyoti Sangh & Lumbini Eye Institute

Assoc. Prof.Dr. Sweta Singh

Mr. Ram chandra Shrestha

Mr. Ramesh Ghimire

Ms. Laxmi Ranapal

Mr. Nur Prasad Acharya

Research paper award :-

Best MD Resident Award:-

Best PCL ophthalmic Science award:-

Best Faculty award :-

Dr. Aman Kumar Gupta

Dr. Lily Myint

Ms. Mahima Pandey

Mr. Manoj Kumar Tharu

## Appendix (I) LEI Board Members

Prof. Dr. Chet Raj Panta

- Chairman

Mr. Sagar Pratap Rana

- Vice Chairman

Mrs. Manju Kandel

- Member

Dr. Upendra Dev Bhari

- Member

Mr. Arun Pratap Rana

- Member

Mr. Bharat Bahadur Chand

- Member

Representative from NAMS

- Member

Prof. Dr. Gyanendra Lamichhane

- Member Secretary

## Appendix (II) LEI Management Committee Members

Mr. Sagar Pratap Rana

- Chairman

Mr. Kamal Raj Joshi

- Member

Mr. Rajendra Pd. Panthi

- Member

Mr. Ganesh Bahadur Chhetri

- Member

Prof. Dr. Gyanendra Lamichhane

- Member

Representative from Ophthalmologist

- Member

Representative from OA Association

- Member

Representative from Employees  
Mr. Prakash Rayamajhi

- Member  
- Member secretary

## Appendix (III) Institutional Review Committee (IRC)

- Assoc. Prof. Dr. Sushila Patel - Chairperson
- Prof. Dr. Gitu Giri - Member
- Assoc. Prof. Dr. Kabindra Bajracharya - Member
- Assoc. Prof. Dr. Binita Bhattarai - Member
- Mr. Prakash Rayamajhi - Member
- Mr. Hari Bahadur Thapa - Member
- Mr. Sandip Bashyal - Member
- Mr. Brijesh Khanal - Member
- Ms. Saraswati Khadka Thapa - Member Secretary

## Appendix (IV) Research Committee

- Asst. Prof. Dr. Manita Sunam Godar - Act. Chairperson
- Ms. Saraswati Khadka Thapa - Member secretary
- Mr. Amar Gautam - Member
- Ms. Dikshya Khadka - Member
- Ms. Namrata Pandey - Member
- Ms. Saraswati Bhandari - Member

## Appendix (VI) Contact and email address of PECC, DECC and SEH

SN	Name of Secondary Eye hospital, DECC and PECC,	Address	Contact Details	Email address
1	Palpa Lions Lacoul Eye Hospital	Bhagwati Tole-8, Tansen, Palpa	075-520333 075-520333 (fax)	plleh@lei.org.np
2	Dr. Binod Nita Kandel Eye Hospital	Parasi, Nawalparasi	078-520146 078-551033 (fax)	<a href="mailto:peccparasi@lei.org.np">peccparasi@lei.org.np</a>
3	Butwal Lions Eye Hospital	Lions Chowk, Butwal-4, Rupandehi	071-545845 071-542135 (fax)	<a href="mailto:butwallions@lei.org.np">butwallions@lei.org.np</a>
4.	Taulihawa Eye Hospital	Anandabagh-4, Kapilvastu	076-560953 076-560374 (fax)	<a href="mailto:pecckapilvastu@lei.org.np">pecckapilvastu@lei.org.np</a>
5.	Krishnanagar Eye Hospital	Krishnanagar -2, Kapilvastu	076-520662	krishnanagar@lei.org.np
6.	DECC Arghakhachi	Sandhikharka, Arghakhachi	077-420201 077-420170 (fax)	<a href="mailto:peccarghakhachi@lei.org.np">peccarghakhachi@lei.org.np</a>
7.	DECC Gulmi	Tamghas-4, Gulmi	079-520232 079-520232 (fax)	<a href="mailto:peccgulmi@lei.org.np">peccgulmi@lei.org.np</a>
8.	DECC Pyuthan	Bijuear-6, Pyuthan	086-460160 086-460010 (fax)	<a href="mailto:peccpyuthan@lei.org.np">peccpyuthan@lei.org.np</a>
9.	ECC, Lumbini	Lumbini Aadarsh -10, Rupandehi	071-580344	lumbini@lei.org.np
10	ECC, Siyari	Siyari - 7, Amuwa, Rupandehi	-	Lei.siyari@lei.org.np
11.	ECC Samarimai	Sammarimai Rural Municipality, Rohinihawa-5		Lei.sammarimai@lei.org.np
12.	ECC Shuddhodhan	Shuddhodhan 05, Manpakadi		Lei.shuddhodhan@lei.org.np
13.	ECCE Marchawari	Marchawari, Gaunpalika		
14	ECC Tilottama	Tilottama-2, Shankarnagar, Rupandehi, Nepal		Lei.tilottama@lei.org.np
15.	ECC Rohini	Rohini, Gaunpalika, Rupandehi		Lei.rohini@lei.org.np

16	ECC Sainamaina	Sainamaina- 4, Rupandehi	017-440307	Lei.sainamaina@lei.org.np
17	ECC Saljhandi	Saljhandi, Rupandehi		butwallions@lei.org.np
18	ECC , Devdaha	Devdaha, Rupandehi		<u>butwallions@lei.org.np</u>
19	ECC Kaligandaki	Rampur, Palpa	075-401085	kecc@lei.org.np
20	ECC Rainadevi Chhahara	Rainadevi, Chhahara, Palpa		plleh@lei.org.np
21	ECC ,TinauDobhan	Dobhan, Palpa		plleh@lei.org.np
22	ECC Shantipur	Shantipur, Gulmi	079-520232 079-520232 (fax)	peccgulmi@lei.org.np
23	ECC Wamitaksar	Wamitaksar, Gulmi	079-520232 079-520232 (fax)	peccgulmi@lei.org.np
24	ECC ,Simaltari	Simaltari, Gulmi		peccgulmi@lei.org.np
25	ECC Thada, Arghakhachi	Thada, Arghakhachi	077-420201 077-420170 (fax)	peccarghakhachi@lei.org. np
26	ECC, Raninagar, Nawalparasi	Binaya VDC Nawalparasi	078-520146	dbnkeh@lei.org.np
27	ECC Sunawal, Nawalparasi	Sunawal, Nawalparasi	078-520146	dbnkeh@lei.org.np
28	ECC, Suryapura	Suryapura, Nawalparasi		dbnkeh@lei.org.np

# MD Ophthalmology Residency Program, LEIRC

<b>2004-2007</b>	
Dr. Arjun Malla Bhari	Maldives
Dr. Satish Dahal	Gaur Eye Hospital, Gaur
<b>2005-2008</b>	
Dr. Rosy Karki	Tilottama Eye care, Butwal
Dr. ThimSarom	Cambodia
<b>2008-2011</b>	
Dr. Koshal Shrestha	Meenakshi Eye Hospital/UCMS
Dr. Prachanda Gautam	Vision Eye Hospital, Nepalgunj
Dr. Sanjeeb Kumar Yadav	Sanjiwani Eye Hospital, Biratnagar
Dr. Ravi Dhar Bhandari	Geta Eye Hospital
<b>2009-2012</b>	
Dr. Bel Bahadur Thapa	UK
Dr. Roshija Khanal	Shree Krishna Netralaya, province 05
Dr. Ruchi Shrestha	Reiyukai Eikomasunaga Eye Hospital
<b>2010-2013</b>	
Dr. Sweta Singh	Dristi Eye Hospital ,Itahari
Dr. Binita Bhattarai	LEIRC
Dr. Sunil Thakali	Hetauda, community eye Hospital
<b>2015-2018</b>	
Dr Roshan Dev Yadav	Nava Dristi Eye Hospital, Itahari
Dr Kriti Joshi	LEIRC
<b>2016-2019</b>	
Dr. NisthaKafle	LEIRC
Dr. Harshika Rauniyar	Tilganga Eye Hospital(Fellowship), Kathmandu
Dr. Khusbu Thakur	Mechi Eye Hospital
Dr. Aman Kumar Gupta	Kakarvitta Eye Care Center Pvt.Ltd
<b>2017-2020</b>	
Dr. Basanta Karki	LEIRC
Dr. Sajid Ali	Dristi Eye Hospital Birgunj
Dr. BernardeteM. Pereira	East Timor
Dr. Julia R.CMagno	East Timor

<b>2018-2021</b>	
Dr. Anju Sapkota	Fatch Bal Eye Hospital
Dr. Najara Thapa	Surkhet province Hospital
Dr. Rakshya Basnet	Koshi Hospital
Dr. Lily Myint	Myanmar
Dr. Sarita Maharjan	Bhim Hospital
Dr. Valerio Andrade	East Timor
Dr. Sristi Thakur	Sagarmatha Chaudhary Eye Hospital, Lahan
<b>2019-2022</b>	
Dr. Jharana Gurung	Seti Zonal Hospital, Province 07
Dr. Sushma Subba	Province Hospital, Surkhet
Dr. Rumi Yadav	Bir Hospital, NAMS, Kathmandu
Dr. Pawan Patel	Narayani Sub-regional Hospital, Birgung
<b>2020-2023</b>	
Dr. Aashma Shrestha	Ongoing study
Dr. Ashish Shakya	Ongoing study
Dr. John Maharjan	Ongoing study
<b>2021-2024</b>	
Dr. Aayusha KC	Ongoing study
Dr. Anu KC	Ongoing study
Dr. Rajiv KC	Ongoing study
Dr. Rubina Pradhan	Ongoing study
<b>2022-2025</b>	
Rakshya Pangen	Ongoing study
Sujana Adhikari	Ongoing study
Prabhat Kiran Devkota	Ongoing study
Sambandha Dhoj Khati	Ongoing study

# FELLOWSHIP PROGRAMME LEIRC

Pediatric Fellows	Fellowship Duration	Present institution
Dr. Arjun Malla Bhari	3 <sup>rd</sup> Jan 2011-2 <sup>nd</sup> Jan. 2012	Maldives
Dr. Kabindra Bajracharya	15 <sup>th</sup> September 2013- 14 <sup>th</sup> October 2014	LEIRC
Dr. Saraswati Pandey	1 <sup>st</sup> September 2015-31 <sup>st</sup> August 2016	Shree Krishna Netralaya
Dr. Pawan Shrestha		Biratnagar Eye Hospital
Dr. Govind Gurung	15 <sup>th</sup> July 2018 – 14 <sup>th</sup> July 2019	Kedia
Dr. Anjita Hirachan	1 <sup>st</sup> July 2019 – 30 <sup>th</sup> June 2020	Dristi Eye Hospital, Pokhara
Dr. Kriti Joshi	1 <sup>st</sup> August 2020 – 31 <sup>st</sup> July 2021	LEIRC
Dr. Toshika Dahal	1 <sup>st</sup> June 2023 – 31 <sup>st</sup> May 2024	Ongoing fellow

Vitreo retina /Medical retina fellows	Fellowship period	Present institution
Dr. Gyanendra Lamichhane	3 <sup>rd</sup> Jan 2011- 2 <sup>nd</sup> Jan 2012	LEIRC
Dr. Anadi Khatri	1 <sup>st</sup> December 2017-31 <sup>st</sup> November 2018	Birat Eye Hospital , Biratnagar
Dr. Saurav Piya	2 <sup>nd</sup> December 2018 – 31 <sup>st</sup> November 2019	ASG hospital, Kathmandu
Dr. Bikram Bahadur Thapa	1 <sup>st</sup> June 2019 – 31 <sup>st</sup> May 2020	Nepalgunj Medical College
Dr. Lazza Singh	1 <sup>st</sup> February 2021 – 31 <sup>st</sup> January 2022	Nepal Eye Hospital
Dr. Amrit Bastola	1 <sup>st</sup> August 2020 – 31 <sup>st</sup> July 2021	LEIRC
Dr. Sabita Dhakal	1 <sup>st</sup> March 2022- 28 <sup>th</sup> February 2023	LEIRC
Dr. Roosen K.C	1 <sup>st</sup> October 2022 -30 <sup>th</sup> September 2023	Ongoing - LEIRC
Dr. Bishow Raj Timalina	1 <sup>st</sup> August 2023 – 31 <sup>st</sup> July 2024	Ongoing fellow LEIRC

Oculoplasty fellows	Fellowship Period	
Dr. Binita Bhattarai	1 <sup>st</sup> December 2016 – 30 <sup>th</sup> November 2017	LEIRC
Dr. Laxmi Devi Manandhar	15 <sup>th</sup> March 2019- 14 <sup>th</sup> March 2020	LEIRC
Dr. Ramita Kharel	17 <sup>th</sup> September 2021- 16 <sup>th</sup> September 2022	LEIRC
Dr. Raja Hussain	1 <sup>st</sup> July 2022- 30 <sup>th</sup> June 2023	Bhartpur Eye Hospital

Cornea Fellows	Fellowship Period	Present institution
Dr. Manita Sunam Godar	1 <sup>st</sup> November 2019 – 31 <sup>st</sup> October 2020	LEIRC
Dr. Abhishek Suwal	1 <sup>st</sup> October 2021 – 31 <sup>st</sup> September 2022	Divya Jyoti Eye Hospital
Dr. Prakriti Pradhan	1 <sup>st</sup> June 2023 – 31 <sup>st</sup> May 2024	Ongoing fellow

Glaucoma fellows		
Dr. Polina Dahal	1 <sup>st</sup> November 2017 – 31 <sup>st</sup> October 2018	Chitwan Medical College, Bharatpur

# Abbreviation

CNNJS	– Nepal Netra Jyoti Sangh, Central Committee
NNJS	– Nepal Netra Jyoti Sangh
LEIRC	– Lumbini Eye Institute & Research Center
SRASEH	– Shree Rana Ambika Shah Eye Hospital
CEI	– Casey Eye Institute
OPD	– Outpatient Department
OCT	– Optical Coherence Tomography
FFA	– Fundus Fluorescence Angiography
ERG	– Electro Retinogram
VR	– Vitreo-Retina
PKP	– Penetrating Keratopathy
HFA	– Humphery field analyzer
CAT	– Cataract
CCTV	– Closed circuit television
PAC	– Preanesthetic check up
TIVA	– Total intravenous anesthesia
PACU	– Post operative anesthesia care unit
MAC	– Monitored anesthesia care
DST	– Diagnostic Screening Treatment
WWG	– Wonder work Grant
SEH	– Secondary Eye Hospital
DECC	– District Eye Care Center
PECC	– Primary Eye Care Center
VSC	– Visiting Satellite Clinic
NEHE	– Nepal Eye Health Education

PCL	– Proficiency in Certificate Level
VC	– Vice Chancellor
NAMS	– National Academy of Medical Sciences
SICS	– Small incision cataract surgery
AM	– Adult Male
AF	– Adult Female
CM	– Child Male
CF	– Child Female
MUTT	– Micotic Ulcer Treatment
MTT	– Micro-trabeculectomy Trial
STOPP-G	– Surgical Treatment Options to Prevent Progression of Glaucoma Trial
ALK	– Anterior lamellar keratoplasty
DMEK	– Descement membrane endothelial keratoplasty
DSEK	– Descement membrane stripping automated keratoplasty
PLLEH	– Palpa Lions Lacoul Eye Hospital
BLEH	– Butwal Lions Eye Hospital
LECC	– Lumbini Eye Care Center
DBNKEH	– Dr. Binod Nita Kandel Eye Hospital
TPECC	– Triveni Primary Eye Care Center
TSEH	– Taulihawa Secondary Eye Hospital
KNBEH	– Krishnanagar Branch Eye Hospital
KPECC	– Kaligandaki Primary Eye Care Center
TECC	– Thada Eye Care Center



Chairman HMC, LEIRC



Hospital Management Committee



Institutional Review committee



Ophthalmologist group



Research committee



Admin group



Account & finance team



Academic, Research and EHE team



Ophthalmic Assistant and officer group



OT group



Ward team



Annual Report Release 2078/079



Basic Science B.optometry faculty



Electricity & plumbing employee



Karyalaya sahayogi group



Lab and Biometry group



Minor OT



Optical shop group



Optometrist group



Outreach program team



PCL Ophthalmic science , faculty



Pharmacy, counselling & admission Employee



Counselor



Registraion and Medical Record



Transportation group



Cleaner group



Security guard



Administrative capacity buildup training to staff



Annual planning of eye care centers



Designing the future leadership to LEIRC training



Free eye screening to journalist



CME program OA association, LEIRC



CME on clinical and referral management OA association , LEIRC



Mid-term evaluation meeting



World sight day and training program



LEICON group photo



Mr. Sagar Pratap Rana awarded with "Netra Jyoti Life Time Achievement Award"



Dr. Gyanendra Lamichhane & Dr. Kabindra Bajrachayra awarded by ACOIN 2022



Eye care center management training



Future Leadership development training