



# Eye Health Program- Rapti & Bahadurgunj

(Rapti Eye Hospital, CKNEH-Bahadurgunj, Lamahi Eye Hospital)

## ANNUAL REPORT- 2023



The Norwegian Association of the  
**Blind and Partially Sighted**

## PREFACE

It is our pleasure to present the Annual Report for 2023. In comparison to the previous year, there has been a 26% increase in the number of outpatient visits. In 2022, a total of 231,913 outpatients received eye care (43% male and 57% female), whereas in 2023, this number increased to 292,339 (46% male and 56% female). Moreover, there has been a 20% increase in the number of cataract surgeries compared to the previous year. In 2022, 13,418 cataract surgeries were performed (45% male and 56% female), while in 2023, the number increased to 16,131 (45% male and 55% female).

The number of ear care services has also increased by 33.16% compared to last year. In 2022, there were 9,331 ear patients (31% male / 44% female), while in 2023, there were 12,425 ear patients (43% male / 57% female).

Among the 16,131 cataract surgeries performed, 8,898 were self-financed. The rest were supported by the I-Care through NABP, Norway, Tej Kohli & Ruit Foundation, Nepal Government, Local Government, CBM, Helping Hands Health Education, Ek-Ek Paila, and I-Sellurad, Norway.

A free surgical eye camp was conducted at 23 different locations within the project catchment areas. These camps included 12 in Kapilbastu, 2 in Dang, 3 in Salyan, 1 in Rukum, 2 in East Rukum, 2 in Jumla, and 1 in Rolpa. The event was made possible with the support of Local Municipalities, TKRF, I-Care, Helping Hands, and CBM.

A total of 19,286 patients received free consultation and check-up services. Among them, 3,440 individuals underwent cataract surgery, resulting in restored vision. Additionally, 1,039 patients were diagnosed with refractive errors and 5,831 required presbyopia glasses.

A total of 167 eye screening camps were conducted at various locations in 2024. This included 54 camps in Kapilbastu, 63 in Dang, 13 in Pyuthan, 11 in West Rukum, 5 in East Rukum, 10 in Rolpa, 9 in Pyuthan, 1 in Banke, and 1 in Arghakhachi. During these camps, free examinations were provided to a total of 35,450 patients. Among them, 2,396 patients were diagnosed with refractive errors, while 9,092 patients required presbyopic glasses.

A total of 23 school screenings and eye check-ups were conducted in Kapilbastu, Salyan, and Dang. A total of 8,773 students were checked, with 326 (3.71%) of them diagnosed with the need for glasses.

Similarly the programme has maintained the cooperation and collaboration with different organization like Helping Hands Health Education, Siloam International Centre for the blind, Global Medical Foundation, CBM (Christopher Blindness Mission), Lions Clubs International, Ek-Ek Paila and Tej Kohli Ruit Foundation in 2023 also. As a result programme has received help for performing cataract surgery, purchasing equipment/instrument and kind donation such as glass frame etc.

We express our gratitude to the Honorable Members of Parliament, Central NNJS, NNJS-Dang, Central Government, Provincial Government, Local Government, Helping Hands Health Education, Siloam International Centre for the Blind, Global Medical Foundation, CBM (Christopher Blindness Mission), Lions Clubs International, Ek-Ek Paila, Tej Kohli Ruit Foundation, Local Donors, Social Workers, and Volunteers for their valuable support.

We wish to express our heartfelt gratitude to Mr. Terje B. Iversen, Director of International Development Cooperation at NABP, Ms. Lykke E. Stavnes, Program Director, Ms. Sissel Halden, the family of the late Dr. Albert Kolstad, and Mr. Inge Sollerud for their generous support. We deeply appreciate NORAD/NABP-Norway for their ongoing financial assistance.

Thank you to all of our ophthalmologists and staff members for the hard work and dedication they had put into achieving the goals and objectives of our organization.

Last but not least, we would like to thank Miss Surekha Gurung, NABP Project Manager, Mr Ramesh Pokhrel, NABP Account Officer, and Mr Bishow Darshan Dhungana, NABP Accountant, who provided the necessary assistance and guidelines for the success and sustainability of the Eye Health Program-Rapti & Bahadurgunj.

Thank You.

Mr. Krishna Kumar Giri  
Chairman,  
Hospital Management Committee

Dr. Sulaxmi Katuwal  
Chief Medical Director

Mr. Samsher Thapa  
Chief Administrator

# Abbreviation

WHO	World Health Organization
NORAD	Norwegian Agency for Development Cooperation.
NCA	Norwegian Church Aid.
NABP	Norwegian Association of the Blind and Partially Sighted.
NNJS	Nepal Netra Jyoti Sangh.
ARMD	Age related macular degeneration.
SEARO	South East Asia Region Office
SAARC	South Asia Association for Regional Cooperation
CSR	Cataract Surgical Rate
RAAB	Rapid Assessment of Avoidable Blindness
GDP	Gross Domestic Product
REH	Rapti Eye Hospital
CKNEH	Chhanda Kalebabu Narayani Eye Hospital
LEH	Lamahi Eye Hospital
GEH	Ghorahi Eye Centre
SEC	Salyan Eye Centre
REC	Rukum Eye Centre
SEC	Sulichaur Eye Centre
KEC	Krishnanagar Eye Centre
KEC	Koilabash Eye Centre
EHP-R&B	Eye Health Program- Rapti and Bahadurgunj
CBR	Community Based Rehabilitation Centre
RAHS	Rapti Academy of Health Science
CTEVT	Council for Technical Education and Vocational Training
OPD	Out Patient Department
ICD	International Classification of Diseases
CMD	Chief Medical Director
SAO	Senior Administrative Officer
AO	Administrative Officer
OC	Outreach Coordinator
OA	Ophthalmic Assistant

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# INTRODUCTION

The federal Democratic Republic of Nepal is a landlocked country in the Himalayan Region with the Tibetan Region of the People's Republic of China to the North and India to the South, West and East. Its length is approximately 885 K.M from west to east and has a maximum width of 245 K.M



(Mean width 197 K.M) covering an area of 147181 sq K.M the Country has a mountainous belt to the north covering 35% of the total land area, the flat and highly cultivated Tarai in the South which amounts to 23% of land area and the Central hills in the middle which is 42% of the land area. Administratively the country is divided into 7 Provinces, 77 Districts, 6 metro cities, 11 sub-metro cities, 276 Municipalities, 460 rural Municipalities. Provinces are the first subdivision of the country. Each province is further subdivided into districts, and each district into municipalities and rural municipalities.

## BACKGROUND

The World Health Organization in cooperation with Nepal Government (NG) in 1980/81 carried out the most comprehensive blindness survey undertaken in any country until now. In 116 villages and wards all over Nepal, nearly 40000 persons were given an eye examination and many ancillary studies were performed.

The survey showed that in a population of 14 million 0.84% were blind in both eyes. Some of the causes were considered outside the reach of medical prevention or treatment but fortunately, most of the blindness was avoidable. Cataract was the dominant



cause with 84%. Next was trachoma with 3% It was therefore decided to start a blindness prevention project in Seti and Mahakali Zones, (Sudurpashchim and Lumbini Province) and with support from NORAD, a 100-bed low-cost eye hospital was established in Geta, near to Dhangadhi (than Seti and Mahakali Zones) for various reasons NORAD chose to have Norwegian Church Aid (NCA) take over the project from WHO. This was effected from November 1st 1985, based on an agreement with the Social Welfare Council and Nepal Netra Jyoti Sangh.

The project was extended to Rapti Zone in 1986, where a new hospital was inaugurated in early 1986. Similar projects later started in most of the Zones of Nepal, funded by foreign NGOs under the umbrella of Nepal Netra Jyoti Sangh.

Norwegian Church Aid (NCA) had started to support Eye Health Program establishing the Eye Hospitals at Geta, Dhangadhi -Kailali in 1985 and later in Tulshipur-Dang in 1986.

In 1996 a dialogue was held between NCA & NABP (Norwegian Association of the Blind and Partially Sighted) investigating the possibilities of NABP taking over the NCA's role as a funding partner to the Rapti Eye Hospital, Dang to deliver eye health service in Rapti Zone covering five districts (Dang, Rukum, Rolpa, Salyan and Rukum) NABP showed interest not only in maintaining the previous eye care activities at the Hospital but also in expanding activities in the field of Training/Rehabilitation of blind and partially sighted. NABP took over the role of the NCA as a founding partner to Rapti Eye Hospital, Dang from 1st January 1998 to 2011 and extended its support to Eye Health Program II, Lamahi from 2012.

## THE DONOR AGENCY



The Norwegian Association of the  
**Blind and Partially Sighted**

Norwegian Association of the Blind and Partially Sighted (NABP), a Norwegian International Non-Governmental Organization (INGO), established in September 1900 as a

non-profit-making, secular, non-political self-help organization. This organization works towards full participation and equal rights for blinds and Partially Sighted People. Its primary objectives are to support the strengthening of organizations of the Blind at the national level through making them self-reliant, strong and sustainable, to combat blindness through eye health programs and to promote and support the rehabilitation of blind and partially sighted people. It has been supporting Blind and Partially Sighted people of Nepal in partnership with Nepal Netra Jyoti Sangh (NNJS) and Nepal Association of the Blind (NAB). It has also been programmed in other developing countries.



## NEPAL NETRA JYOTI SANGH

Nepal Netra Jyoti Sangh (NNJS) is the leading national eye care providing agency for comprehensive eye care service in the country. It was established in 1978 as a National Society for the prevention and control of blindness. There are 42 district branches of NNJS all over Nepal and 28 Eye

Hospitals and 150 primary Eye Care Centers are running under the umbrella of NNJS. The main role of NNJS is to make a national strategy, supervise, monitor and ensure the quality of services in eye hospitals and centres. It is responsible for overall guidance and leadership for the smooth and efficient running of programs, expansion of program nationwide, coordination with government and local authorities, instructing the hospital to conduct more activities to reach un-reached eye patients, evaluate the target and achievement, train more human resource, aware the civil society about preventive and curative remedies of eye care.

## **WORLD BLINDNESS SITUATION**

According to an estimate from the World Health Organization (WHO), about 217 million people are MSVI, 36 million people are blind. In total, 253 million people are visually impaired. 124 million people have uncorrected refractive errors and 65 million have cataract. More than 75% of all blind and MSVI (Moderate and severe vision impairment) is avoidable. There are estimated to be 1.1 billion people with near vision impairment. 89% of vision impaired people live in low- and middle-income countries and 55% of moderate or severely vision impaired people are women. A top leading cause of visual impairment is refractive errors, cataract and age-related macular degeneration (AMD). And a major cause of blindness is cataract, uncorrected refractive error, glaucoma, diabetic retinopathy, corneal opacity and trachoma.<sup>1</sup>

## **BLINDNESS SITUATION OF NEPAL**

After the first blindness survey of 1980-81, (prevalence of blindness 0.84%) the second population-based surveys on blindness and visual impairment were conducted in 2006-2010. (Prevalence of blindness 0.35%) In this survey, the rapid assessment of avoidable blindness (RAAB) methodology was applied. These surveys were conducted in all 14 Zones of Nepal. In total, 39,908 people aged 50 years and older were examined. The eye care infrastructure during the period of 1981 was very minimal in Nepal, with only one eye hospital and 4 eye departments in general hospitals. During this period up to 2010, there were 20 eye hospitals, 19 eye departments, 63 primary eye care centres and the number of ophthalmologists increased from 7 to 147. The number of cataract operations increased from 1,000 in 1981 to more than 200,000 in 2010. Compared with the National Blindness Survey the prevalence of blindness has reduced from 0.84% in 1981 to 0.35% in 2011. The impact of the expansion of eye care service between 1981 and 2011 is the best in the reduction of the prevalence of blindness and visual impairment. In actual numbers, the achievements are far less outspoken because the number of people aged 50 plus more than double between 1981 and 2011 and the life expectancy at birth increased from 48 to 66 year.<sup>2</sup> (Life expectancy has increased to 71 years in 2018)

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<sup>1</sup> <http://www.who.int/news-room/fact-sheets/detail/blindness-and-visual-impairment>

<sup>2</sup> The Epidemiology of Blindness in Nepal:2012, Nepal Netra Jyoti Sangh, Kathmandu

A RAAB survey of 2006-2010 has revealed that the cataract was the main cause of blindness (65%), from earlier 72% in 1981. This is followed by retinal diseases 9%, corneal diseases 6%, glaucoma 5%, ARMD 4%, refractive error 4%.<sup>3</sup>

*The third RAAB survey 2016-2019 was designed to cover 33845 people in 967 clusters in all seven provinces of Nepal. It was only possible to conduct a RAAB survey in six provinces due to covid-19. As a result of the preliminary data, it seems that there has not been a significant reduction in the prevalence of blindness as compared to the data from the 2010 survey. However, cataract surgery coverage at visual acuity of 3/60 and the visual outcome have significantly improved.*

## BLINDNESS SITUATION IN PROJECT AREAS

Rapti Eye Hospital has performed various activities and different initiatives were taken to reduce blindness in Dang, Salyan, Rukum, Rolpa, and Pyuthan Districts of Lumbini Province (Than Rapti Zone). In these Districts, the backlog has been reduced from 0.87% in 1981 to 0.13% in 2012 (The RAAB survey 2012). Eye health service has had a big impact in the five districts of Lumbini Province (Than Rapti Zone) and has achieved one of the best results so far in Nepal.

After vision restoration, people have become active; life expectancy has increased (48 in 1981 to 71 in 2017), returned to their regular work which contributed significantly to uplifting their economic condition and living standard. They have started managing their daily life and taking responsibilities for their family. (GDP per capita in Nepal has increased by the US \$ 267.10 to 728.40 period between 1960-2017) (Source: <https://tradingeconomics.com/nepal/gdp-growth-annual>).

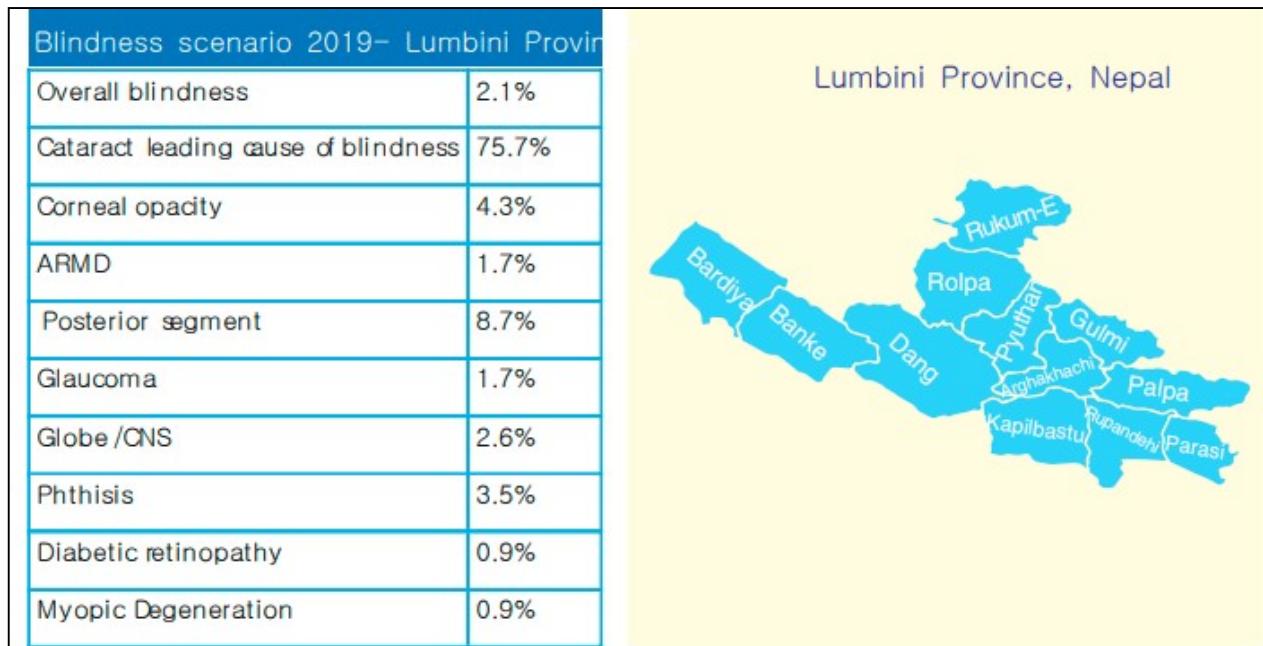
*The RAAB survey of 2019 has covered a total of 5,670 people (age group 50+ and above) throughout the province of Lumbini from 162 clusters. The survey has achieved 98.9% response rate. The crude prevalence of blindness from all cause was 2.1%. Similarly, crude prevalence by all cause of severe vision impairment (SVI) 2.9%, moderate vision impairment 12.6% and early vision impairment were 12.2% respectively.*

*The crude prevalence of blindness due to bilateral cataract was 1.2%. Similarly, crude prevalence due to bilateral cataract of severe vision impairment (SVI) 2.7%, moderate vision impairment 8.9% and early vision impairment were 12.8% respectively.*

*The main cause of blindness was untreated cataract (75.7%). Uncorrected refractive error was the leading cause of early visual impairment (EVI) was 66.5%.*

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<sup>3</sup> Sapkota YD, Upadhyay Madan, (2011) Burden of Blindness and Eye Disease in Nepal, Mid Term Review of Vision 2020: The Right to sight, Nepal, Appex Body for Eye Health (p20)



Blindness scenario 2019-Lumbini Province <sup>4</sup>

## EYE HEALTH PROGRAM- RAPTI AND BAHADURGUNJ

Eye Health Program-Rapti & Bahadurgunj is a governing body of three hospitals (Rapti Eye Hospital, Chhanda (kalebabu)-Narayani Eye Hospital and Lamahi Eye Hospital) 6 primary eye care centres (Salyan Eye Centre, Rukum Eye Centre-East, Sulichaur Eye Centre, Rolpa, Bhalubang Eye Centre, Gobardhiya Eye Centre and Rajpur Eye Centre) and 2 surgical eye centres (Koilabash Surgical Eye Centre and Rukum Surgical Eye Centre-West) one referral clinic (Krishnanagar referral centre).

### **VISION**

Act Together to Save the Sight

<sup>4</sup> (No date) *Lumbini*. Available at:  
<http://moeap.lumbini.gov.np/uploads/files/Progress%20Report%20078-79.pdf> (Accessed: 12 March 2024).

## **MISSION**

Provide Quality Eye Care Service at Affordable Cost by Strengthening Existing Eye Health Facilities and Services.

## **GOAL**

Sustainable Development Eye Health Program- Rapti & Bahadurgunj by 2030.

## **SPECIFIC OBJECTIVE**

Reduce Eye and Ear Disease Burden in the Community

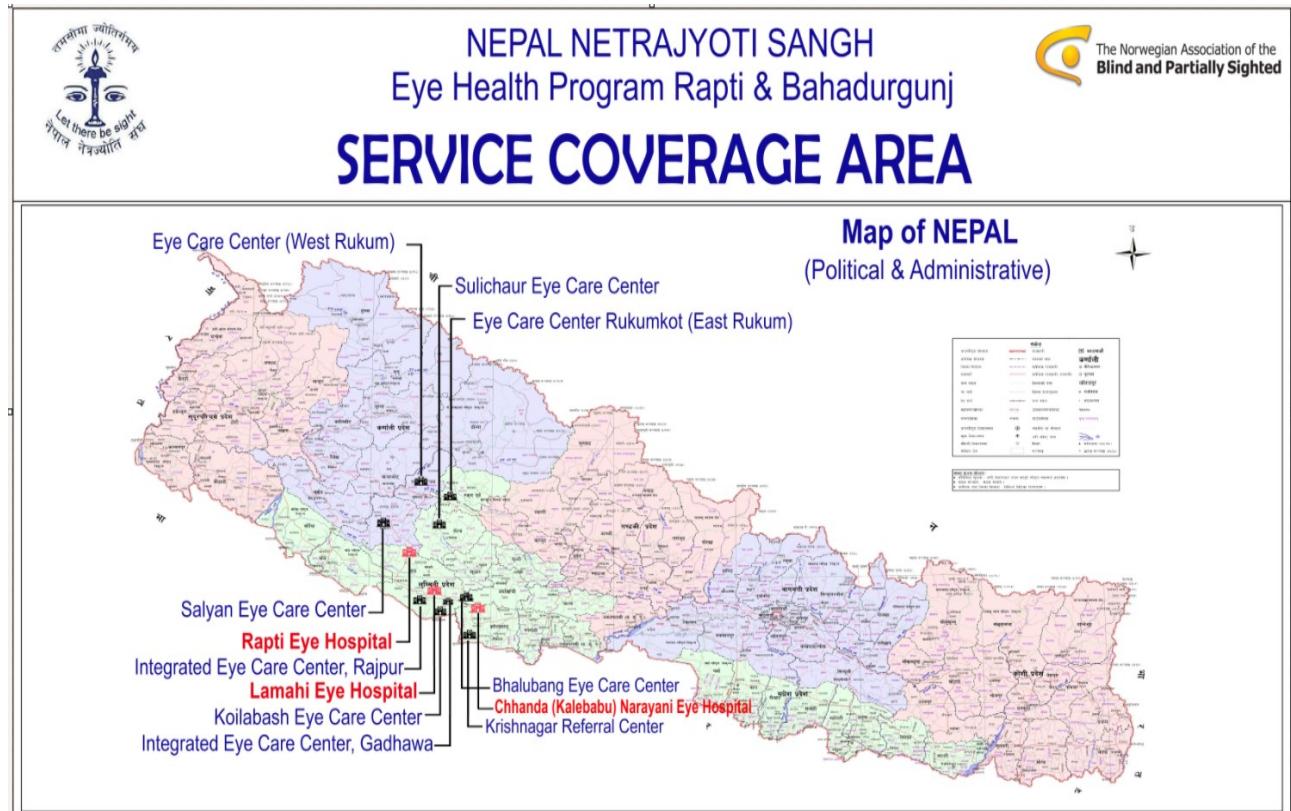
## **GENERAL OBJECTIVE**

1. To strengthen awareness program of eye health service.
2. To collaborate and implement Eye Health Policy of Nepal.
3. To upgrade REH from tertiary to Center of Excellence.
4. To upgrade CKNEH and LEH from secondary to a tertiary level hospital.
5. To reduce avoidable blindness and hearing loss in the community.
6. To expand primary eye care center in other areas and upgrade existing PECC into surgical center gradually.
7. Strengthen ear care services in three hospitals and Incorporate Ear surgeries in Lamahi Eye Hospital.
8. To enhance the capacity of employees (HR) by providing them appropriate training.
9. To strengthen academic training and research program.
10. To strengthen blind rehabilitative services with the collaboration of different stake holders.
11. To strengthen advocacy and partnership program with government and non-governmental organization..

# SERVICE COVERAGE

Eye Health Program- Rapti & Bahadurgunj has been providing eye health service directly in 4 districts of Lumbini Province (Dang, Rolpa, Pyuthan and Kapilbastu) and 2 districts of Karnali Province (Western Rukum and Salyan). There are 1.47 million Populations in Dang, Rolpa, Pyuthan, Salyan and Eastern, Western Rukum districts and .57 million populations are in Kapilbastu District.

Patients from Arghakhachi District, Banke District, and Surkhet District also benefit from our service centers. Central Nepal Netra Jyoti Sangh (CNNJS) has assigned Rapti Eye Hospital the responsibility of managing the eye care center in Gurbakot, Surkhet District.



# **HOSPITALS/PECC UNDER EYE HEALTH PROGRAM-RAPTI & BAHADURGUNJ**

## **RAPTI EYE HOSPITAL**

Rapti Eye Hospital is located at Rakshyachaur-4, Tulsipur, Dang, Lumbini Province. It occupies 4 Bigha (2.70 hectares) of land, registered under the name of Nepal Netra Jyoti Sangh. According to the Nepal Blindness Survey of 1981, the prevalence of blindness in the Rapti Zone was 0.87%. This percentage decreased to 0.13% in the second survey of 2010 (RAAB Survey).

Rapti Eye Hospital was established in 1986 with the support of Norwegian Church Aid (NCA), Norway. Later in 1996, a dialogue was held between NCA and NABP (Norwegian Association of the Blind and Partially Sighted) to explore the possibility of NABP assuming the role of funding partner to Rapti Eye Hospital, Dang,



previously held by NCA. NABP expressed interest not only in continuing the existing eye care activities at the hospital but also in expanding activities in the field of training and rehabilitation for the blind and partially sighted. From January 1, 1998, to 2011, NABP took over the role of NCA as a funding partner to Rapti Eye Hospital, Dang. Additionally, NABP extended its support to Eye Health Program II, starting in 2012.

Rapti Eye Hospital has evolved from a secondary level hospital to a tertiary level hospital. It now offers a wide range of comprehensive eye care services, including training for ophthalmology and an academic program for ophthalmic assistants. These services encompass curative, preventive, promotive, and rehabilitative care. Additionally, the hospital specializes in four sub-specialty areas: Retina, Cornea, Oculoplasty, and Pediatrics.

## LAMAHI EYE HOSPITAL

The Lamahi Eye Hospital was established in 2002 as a satellite weekly clinic of Rapti Eye Hospital in Deukhuri, Dang. It was upgraded from a weekly clinic to a Primary Eye Care Centre on 9th September 2009. The Lamahi Town Development Committee, a local authority, provided 2.88 acres of land for the upgrade of the secondary level eye hospital. This project was constructed with the support of NABP-Norway and the foundation stone was laid on 23rd November 2010, after which the construction began and was completed in 2012.



With a large catchment area, its objective is to provide eye care services to the people of Rolpa, Pyuthan, Arghakhachi, as well as part of the Banke district. The Lamahi Eye Hospital is located in the heart of Lumbini Province, centrally positioned between Chhanda (Kalebabu)-Narayani Eye Hospital, Bahadurgunj, and Rapti Eye Hospital, Tulsipur. It is situated near the Indian border, just 33 kilometers away from Lamahi.

## CHHANDA(KALEBABU)-NARAYANI EYE HOSPITAL

Chhanda Kalebabu Narayani Eye Hospital was established as an Eye Care Centre in Krishnanagar, Kapilbastu district, Lumbini Province on December 1st, 2004. The primary objective of the center was to provide eye care services to curable visually impaired individuals and restore their sight. A comprehensive door-to-door survey was conducted by the NAB-Rehabilitation program in Kapilbastu, which revealed a staggering number of approximately



thirteen thousand curable visually impaired individuals in the area. Based on the survey results and the identification of curable patients in Kapilbastu, NNJS-Rapti Eye Hospital upgraded this center into a surgical facility. Initially, it operated out of a rented house in Krishnanagar, before being relocated to Bahadurgunj. Over time, the center witnessed an increase in the number of Nepalese and Indian patients seeking treatment. Ms. Narayani Shah, the owner of the land and building, recognized the valuable service provided by the center and its growing patient population, generously donating a 1.41-acre piece of land to facilitate the expansion of the center into a full-fledged hospital. This led to the official naming of the hospital as Chhanda (Kalebabu) Narayani Eye Hospital in honor of her generous contribution. The foundation stone was laid on July 15th, 2014, to commemorate the inauguration of the ward building. The hospital is located in Bahadurgunj, Krishnanagar Municipality, in close proximity to Barhni Bazar, Uttar Pradesh, India, thereby providing convenient access for Indian patients. Approximately 60 to 70% of the hospital's patients come from India. Additionally, the hospital operates one referral center in Krishnanagar and holds weekly clinics in Buddhabhumi Rural Municipality.

## **SALYAN EYE CENTRE**

This center was established on January 1, 2007 in Khalanga of Salyan District with the administrative support of the Nepal Red Cross Society of Salyan, offering free eye care services. However, due to limited patient access in Khalanga, the management team of the Hospital and the Nepal Red Cross team of Salyan jointly agreed to relocate this center to Shreenagar of Salyan starting from June 2012. This center serves as a referral center for Rapti Eye Hospital, where patients are referred for cataract surgery and other major treatments. The management is currently working towards developing this center into a surgical center. A coordination committee has been established to oversee the overall development of the center. The Nepal Government provides partial financial support to this center, which is currently operating in a rented government building known as Krishi Samagri Sansthan. Fortunately, a local donor has generously donated a piece of land in Shree Nagar, and the team is actively engaging in efforts to secure funding from the local government.



## **RUKUM EYE CENTRE- WEST**

The center was established in 2011 in Musikot, Rukum. With a population of over 200,000, Rukum District has been benefiting from the services provided by this center. Currently, the center is operating on the premises of a District Hospital owned by the Provincial Government of Karnali Province. The government of Nepal provides



partial funding for this center. In 2016, the Rukum Branch of Nepal Netra Jyoti Sangh was established and entrusted with the management of the center. A generous local donor has donated land for the construction of the center, and the team members are actively seeking funding support for its construction.

### **SULICHAUR EYE CENTRE, ROLPA**

This center was established in Sulichaur, Rolpa on February 16th, 2016. It was inaugurated by Mr. Krishna Bahadur Mahara, the former honorable Minister of Home Affairs. The center serves as the referral center for Rapti Eye Hospital and Lamahi Eye Hospital. Currently, it operates from a rented property.



### **KRISHNANAGAR REFERRAL CLINIC**

Krishnanagar Referral Clinic was established in 2014 with the objective of enhancing patient access to eye care services and strengthening the referral system for CKNEH-Bahadurgunj.



### **KOILABASH WEEKLY CLINIC**

The Koilabash Weekly Clinic was established in 2013 to strengthen the referral system for Lamahi Eye Hospital. Koilabash is situated in the Gadhwa Rural Municipality of Dang, Deukhuri, and is under the management of Lamahi Eye Hospital. Koilabash is a small town located on the southern edge of the Dudhwa range of the Siwaliks, near the Nepal border with Uttar Pradesh. It is approximately 5 kilometers from the village of Jarwa on the other side. The distance between Lamahi Eye Hospital and Koilabash is approximately 32 kilometers. The Gadhwa Rural Municipality Ward No. 8 generously donated 10 Kattha (1,264 square meters) of land and constructed the building for the Eye Care Centre. Since 2021, this center has been upgraded from a primary eye care center to a surgical center and now provides regular eye care services to the community.



## **PRIMARY EYE CARE CENTRE-EAST RUKUM**

PECC-East Rukum was established on May 11, 2019, with full support from the Local Government of Sishne Rural Municipality. In line with the National Health Policy 2076, which emphasizes the integration of eye health into the basic health system, this center was created to provide much-needed eye care services to people in remote areas. The center was inaugurated by the Chairman of Sishne Rural Municipality and operates through a joint program. Technical support is provided by NNJS-Eye Health Program, while financial and infrastructure support is provided by Sishne Rural Municipality.



To ensure effective management and development of the center, a coordination committee has been established. Eastern Rukum is a newly established district (1,161.13 Sq KM) in the Lumbini Province, with a total population of 53,018.

## **EYE CARE CENTRE-BHALUBANG, DANG**

Eye Care Centre, Bhalubang was established in July 2023 in Ward No. 1 of Rapti Rural Municipality, Deukhuri, Dang. This center serves as a referral center for Lamahi Eye Hospital and is conveniently situated near Pyuthan and Arghakhachi Districts.



## **EYE CARE CENTRE-GOBARDHIYA, DANG**

Eye Care Centre, Gobardhiya was established in September 2023 in ward no.3 of Gadhwa Rural Municipality, Deukhuri, Dang. This centre is established as an integrated eye centre with the support (Building and furniture) of Gadhwa Rural Municipality and is a referral centre of Lmahi Eye Hospital.



## **EYE CARE CENTRE-RAJPUR**

Eye Care Centre, Rajpur was established in November 2023 in ward no.2 of Rajpur Rural Municipality, Rajpur, Dang. This centre is established as an integrated eye centre with the support (Building and furniture) of Rajpur Rural Municipality and is a referral centre of Lmahi Eye Hospital



# CUMMULATIVE FIGURE

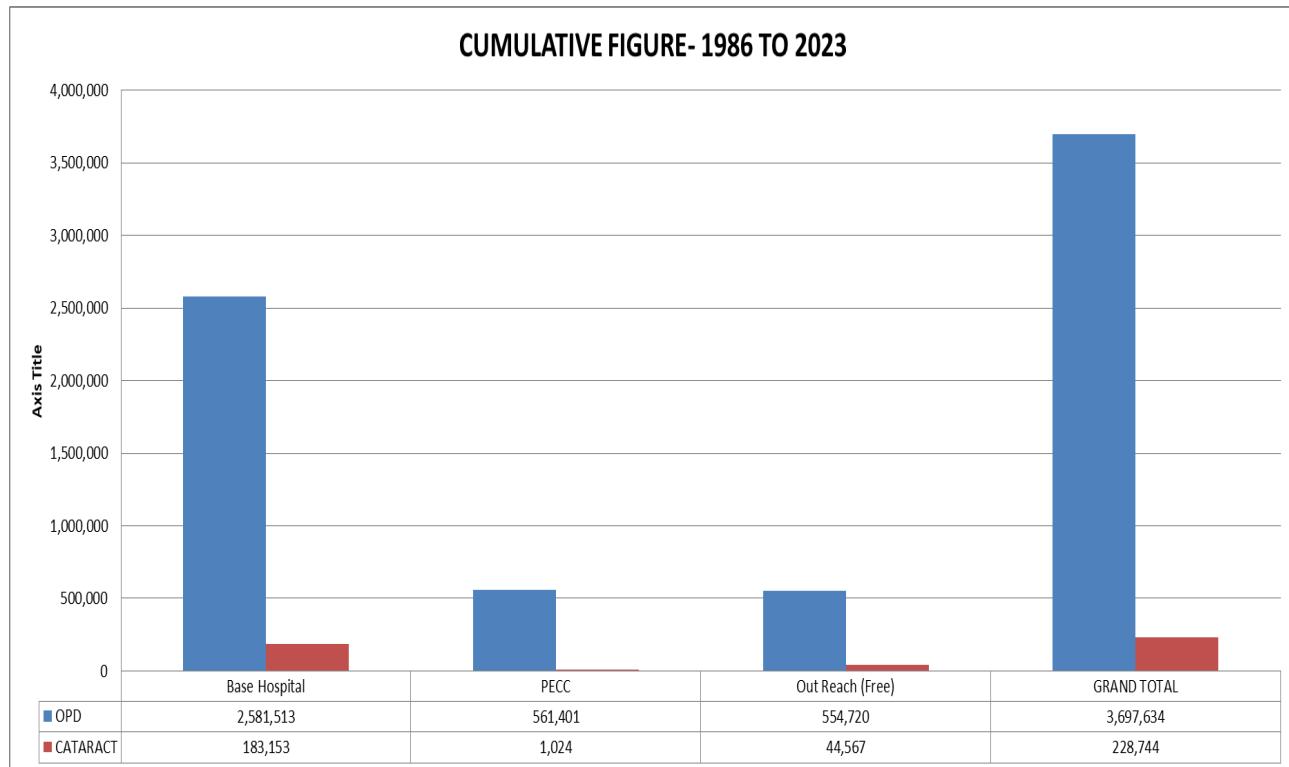
## (ACHIEVEMENT FROM 1986 TO 2023)

<b><u>CUMMULATIVE DATA – 1986 TO 2023</u></b>	
RAPTI EYE HOSPITAL (1986 TO 2023) :	1,147,337
LAMAHİ EYE HOSPITAL (2001 TO 2023)	415,901
CHHANDA(KALEBABU)-NARAYANI EYE HSP(2005 TO 2023):	1,018,275
GHORAHİ EYE CARE CENTRE (1989 TO 2023):	375,774
SALYAN EYE CARE CENTRE (2007 TO 2023):	68,031
RUKUM EYE CARE CENTRE (2011-2023)	54,180
SULICHAUR EYE CARE CENTRE, ROLPA (2019-2023)	14,316
Krishnanagar Eye Clinic (2015-2023)	35,059
Koilabash Weekly clinic (2013-2023)	6,021
RUKUM EYE CARE CENTRE EAST (2023)	4,758
<b>FREE SURGICAL CAMP / DST CAMP (1996 TO 2023):</b>	<b>411,058</b>
<b>FREE SCHOOL SCREENING PROGRAM (2008 TO 2023)</b>	<b>140,662</b>
RAAB Survey 2010	3,000
Eye Care Centre- Bhalubang -2023	2,768
Eye Care Centre- Gobardhiya-2023	337
Eye Care Centre- Rajpur-2023	157
<b>TOTAL OPD SERVICE</b>	<b>3,697,634</b>

<b><u>CUMMULATIVE DATA – 1986 TO 2022</u></b>		2022
RAPTI EYE HOSPITAL (1986 TO 2023) :		37,916
LAMAHİ EYE HOSPITAL ( 2013-2023) :		12,170
CKNEH BAHADURGUNJ (2005 TO 2023) :		133,067
GHORAHİ EYE CARE CENTRE (2008-2023) :		887
<b>FREE SURGICAL CAMP/DST (1996 TO 2023) :</b>		<b>44,567</b>
Rukum Eye Centre- West		60
KOILABASH SURGICAL CENTRE		77
<b>TOTAL CATARACT SURGERY</b>		<b>228,744</b>

During the period of 1986-2023 (37 years), a total of 3.69 million people (36 lakhs 97 thousand 634) have received eye health care services (OPD services) through the Eye Health Program-Rapti & Bahadurgunj. Among these numbers, 554,720 (five lakh fifty four thousand seven hundred twenty) received free eye care (OPD service) service.

A total of 228,774 (2 lakh 28 thousand 774) cataract surgeries were performed during this 37-year period. Among these numbers, 44,567 surgeries were performed in free surgical eye camps.



# **SERVICE AVAILABLE**

Nepal Netra Jyoti Sangh-Eye Health Program - Rapti & Bahadurgunj consists of three components: 1) Eye and Ear System, 2) Netra Jyoti Academic of Ophthalmic Science, and 3) Integrated Community-Rehabilitation Program. We are providing following services through our system.

## **1) Eye /Ear Care System**

OPD Service

Diagnosis/Surgery

Phaco/Premium Lens

Fast Track Service

24hrs Emergencey Service

ENT Service

Diagnosis/Surgery

General Physician Service.

Saturday Clinic

Free Eye Screening

Free Eye Camp

School Health Education

School Screening

Basic Eye Health Training

Pharacy Service

Optical Service

Laboratory Service

Sub-Speciality Service

Vitro Retina

Cornea

Oncology and Oculoplasty

Padeatric

## **2) Netra Jyoti Academic of Ophthalmic Science**

Three years, Certificate Level Education on Ophthalmic Science

Anterior Segment Fellowship Program

SICS and Phaco training

MD Resident Program

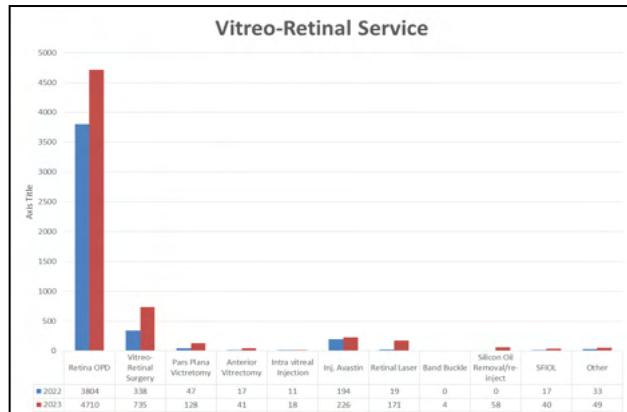
## **3) Integrated Community Rehabilitation Program**

Income generating training at Lamahi

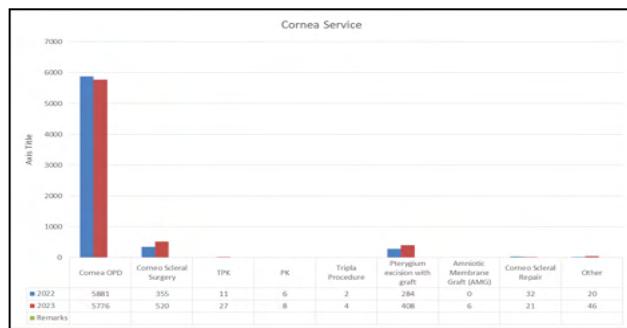
Income generating training at Tulshipur

# SUB-SPECIALITY SERVICE

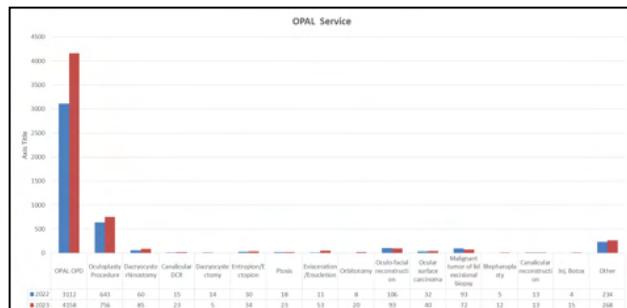
	2022	2023
<b>Retina OPD</b>	3804	4710
<b>Vitreo-Retinal Surgery</b>	<b>338</b>	<b>735</b>
Pars Plana Vitrectomy	47	128
Anterior Vitrectomy	17	41
Intra vitreal Injection	11	18
Inj. Avastin	194	226
Retinal Laser	19	171
Band Buckle	0	4
Silicon Oil Removal/re-inject	0	58
SFIOL	17	40
Other	33	49



	2022	2023
<b>Cornea OPD</b>	5881	5776
<b>Corneo Scleral Surgery</b>	<b>355</b>	<b>520</b>
TPK	11	27
PK	6	8
Tripla Procedure	2	4
Pterygium excision with graft	284	408
Amniotic Membrane Graft (AMG)	0	6
Corneo Scleral Repair	32	21
Other	20	46



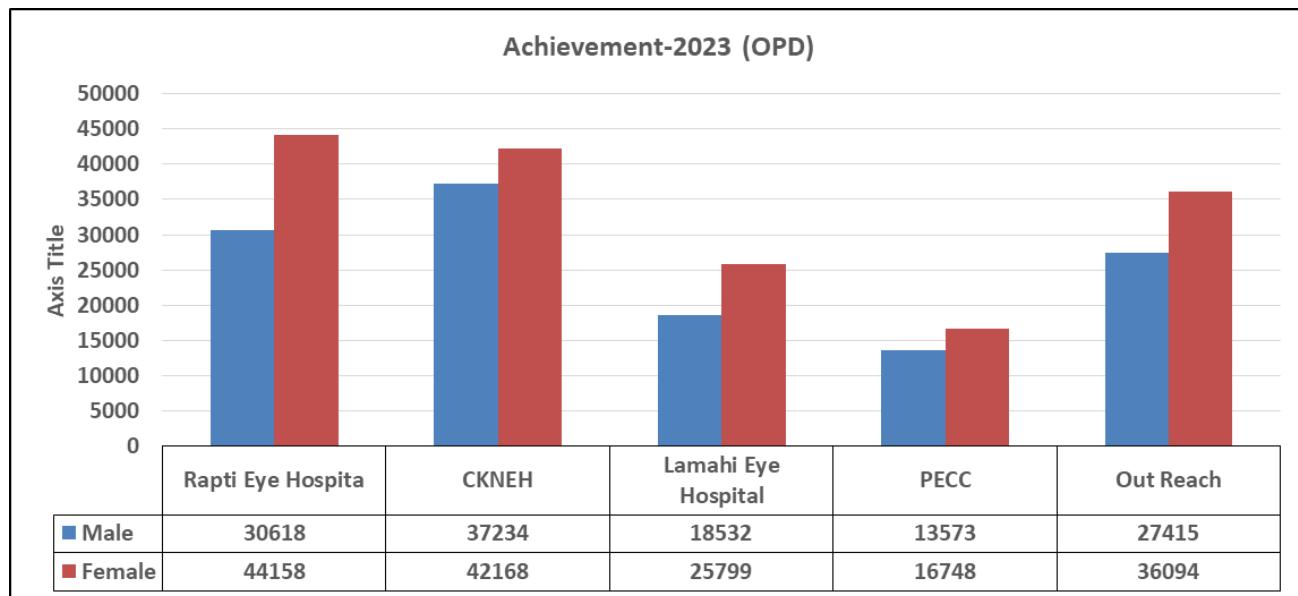
	2022	2023
<b>OPAL OPD</b>	3112	4158
<b>Oculoplasty Procedure</b>	<b>643</b>	<b>756</b>
Dacryocystorhinostomy	60	85
Canalicular DCR	15	23
Dacryocystectomy	14	5
Entropion/Ectropion	30	34
Ptosis	18	23
Evisceration/Enucleation	11	53
Orbitotomy	8	20
Oculo-facial reconstruction	106	93
Ocular surface carcinoma	32	40
Malignant tumor of lid excisional biops	93	72
Blepharoplasty	5	12
Canalicular reconstruction	13	13
Inj. Botox	4	15
Other	234	268



# ACHIEVEMENT - 2023

## OPD-2023

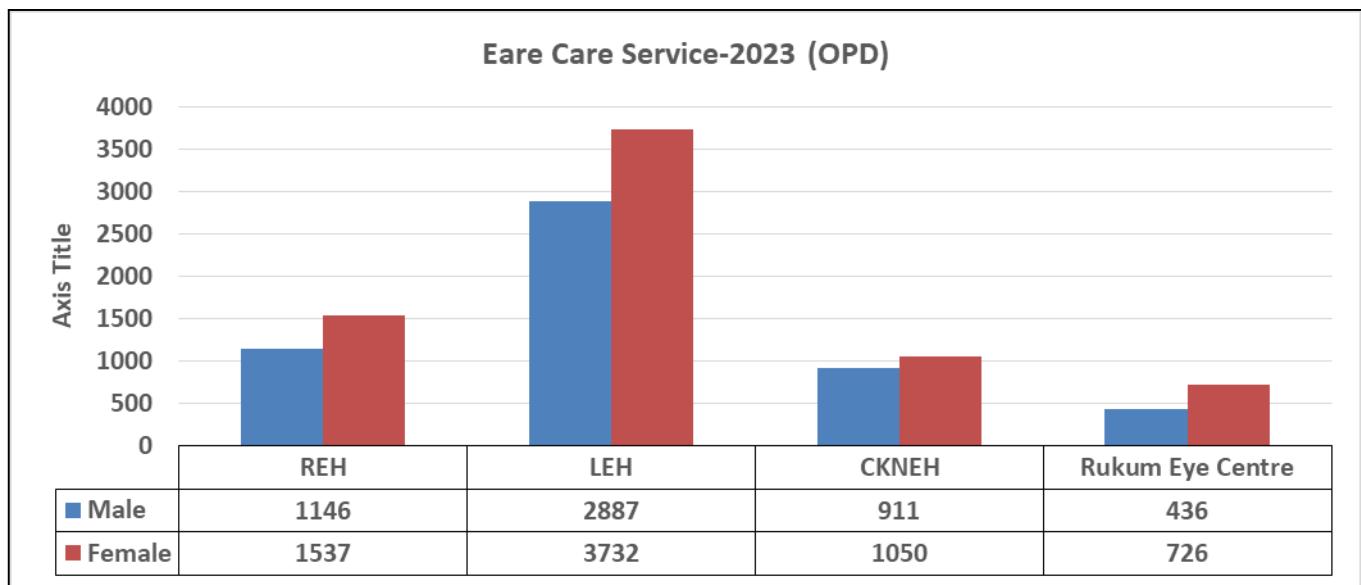
Under the Eye Health Program-Rapti and Bahadurgunj, each of the three eye hospitals and eye centers provided outpatient service to 292,339 patients (44. % men and 56. % females). There were 249,000 outpatient visits at the OPD last year in 2022 (44% men and 56. % females). In comparison to last year, there has been a significant increase of 21 % in patient numbers in the OPD. Gradually, the situation that was adversely affected by Covid-19 has been now became normalize.



## EAR SERVICE – 2023

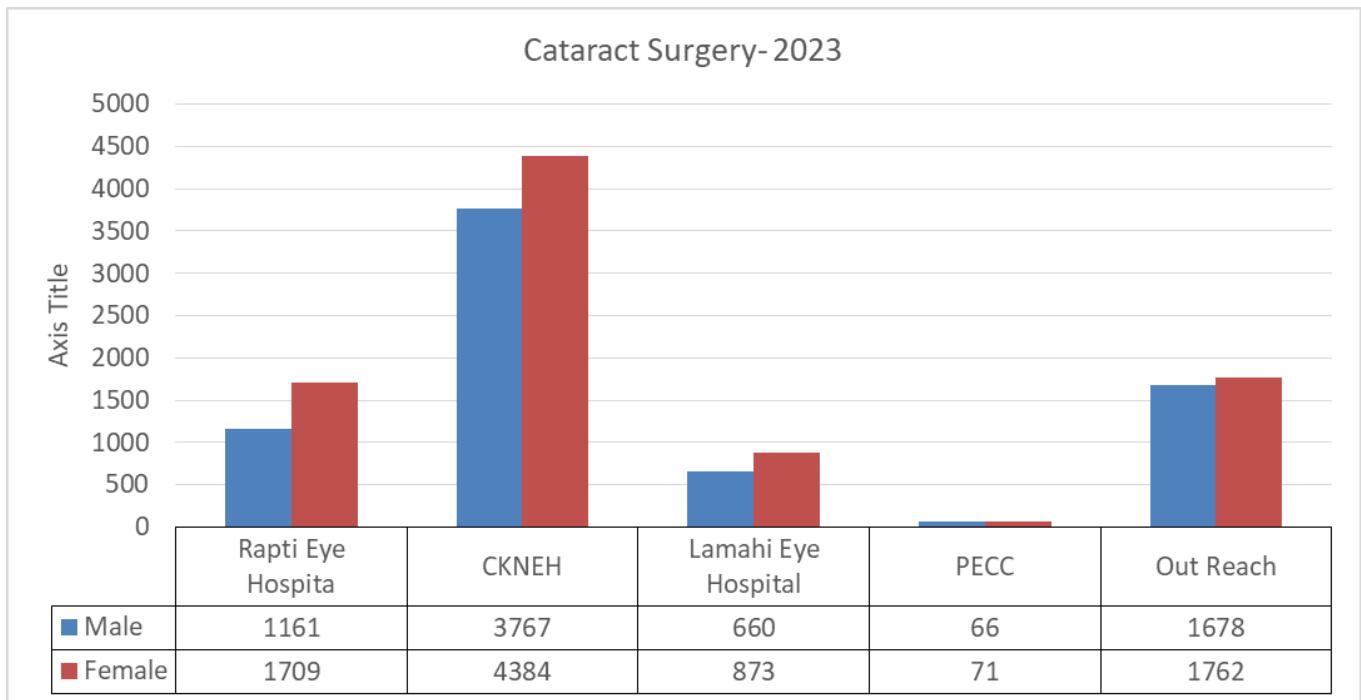
This year, Rapti Eye Hospital has provided OPD service to 2,683 (Male 44%/Female 57%), Lamahi Eye Hospital has provided to 6,619 (Male 44%/Female 56%), CKNEH has provided to 1,961 (Male 46%/Female 54%) and Rukum Eye Centre has provided OPD service to 1,162 (Male 38%/Female 62%).

Compared to last year of 2022 (9,331), this is increased by 25%.



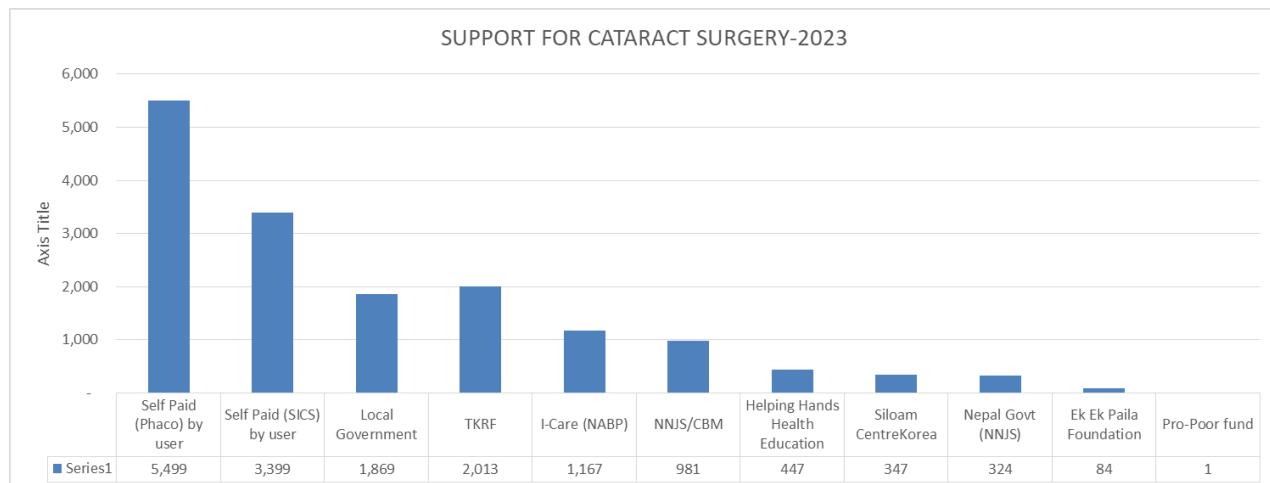
## CATARACT SURGERIES - 2023

16,131 cataract surgeries were performed in 2023 (45% males and 55% females). In 2022, only 13,418 cataract surgeries were performed. Since COVID-19, the number of patients at hospitals has gradually increased. This year, outreach activities have also increased.



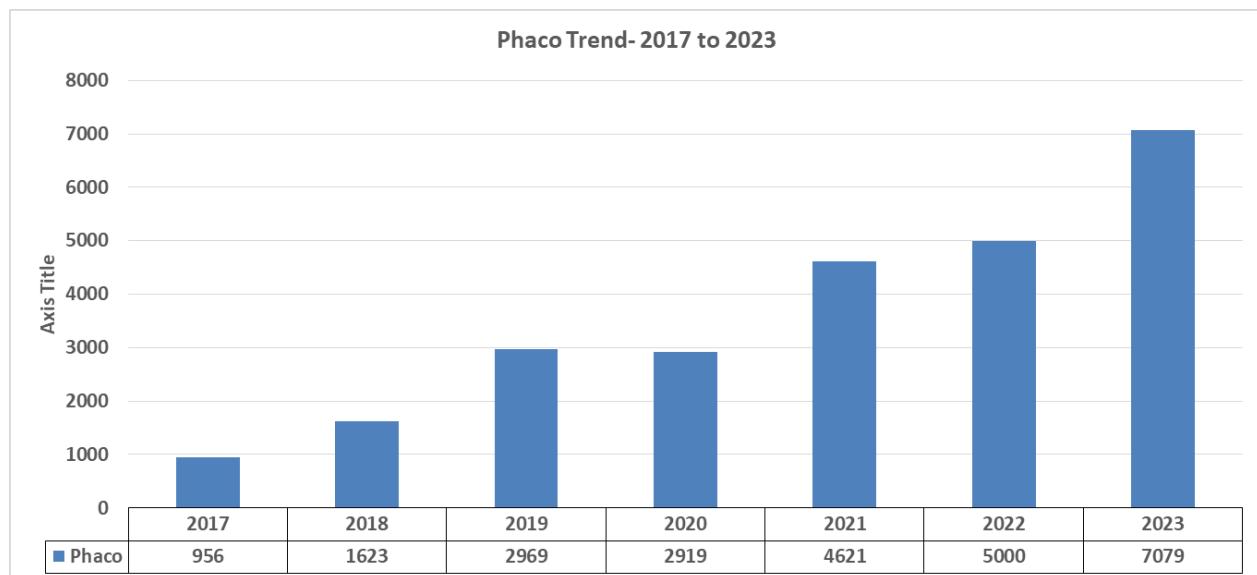
## FREE CATARACT SURGERY- 2023

Out of a total of 16,131 cataract surgeries, 8,898 (55%) were self-funded. Local Government (Municipalities/Rural Municipalities) provided support for 1,869 (12%) surgeries, while Tej Kohli and Ruit Foundation supported 2,013 (12%) surgeries. I-Care/NABP supported 1,167 (7%) surgeries, CBM through CNNJS supported 981 (6%) surgeries, Helping Hands Health Education supported 447 (3%) surgeries, Siloam Centre Korea supported 347 (2%) surgeries, Nepal Government through CNNJS supported 324 (2%) surgeries, and Ek Ek Paila supported 84 (1%) surgeries. Additionally, one surgery was funded through the Hospital Pro-Poor Funds.



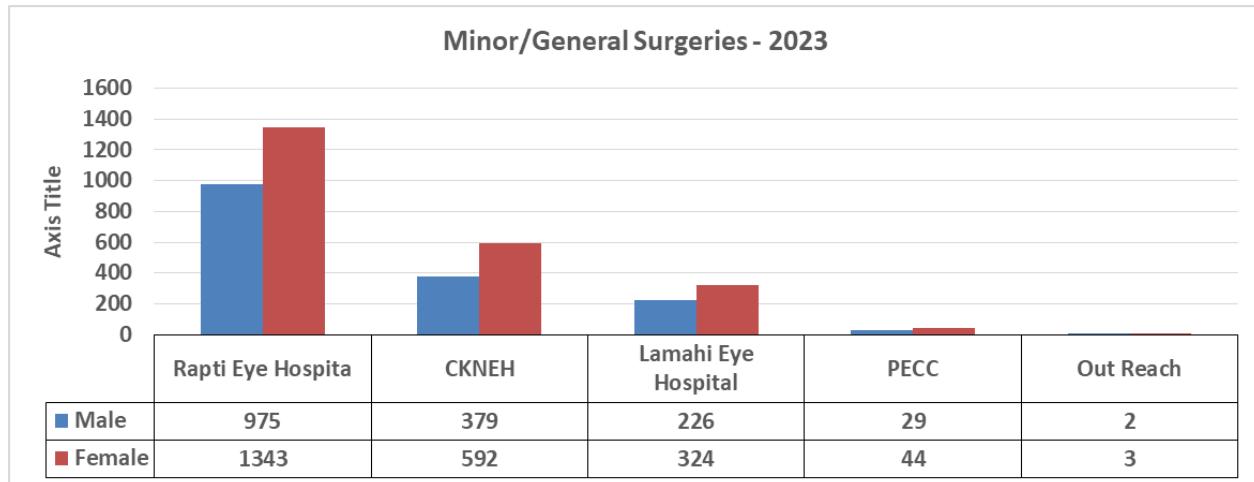
## TREND OF PHACO SURGERY- 2023

A positive trend has been observed in the number of phaco surgeries in the last few years. In 2017, there were 956 phaco surgeries, which increased to 7079. The increasing trend shows that patients are gradually wanting to opt for phaco services.



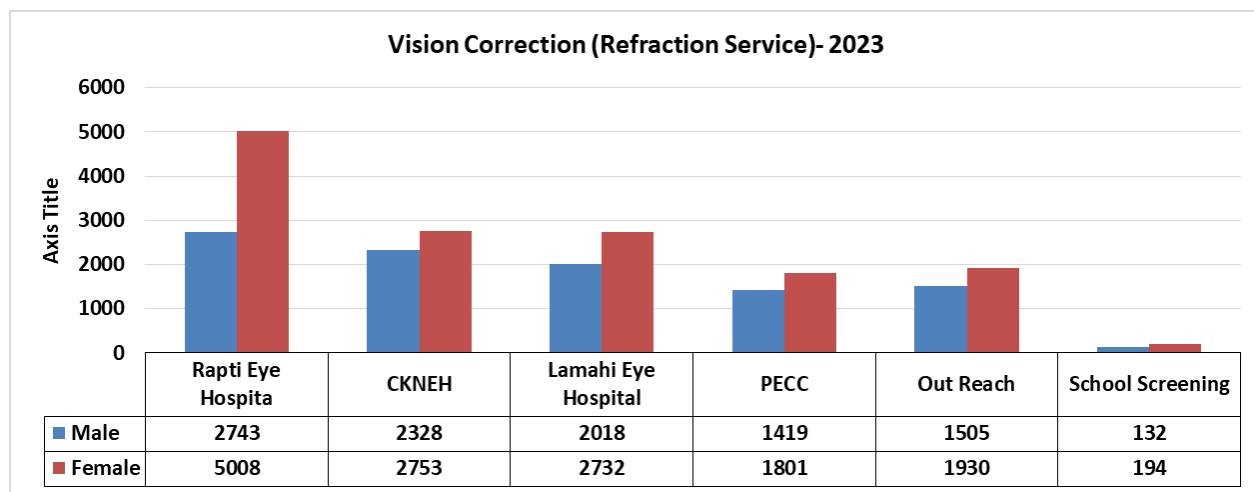
## OTHER MINOR SURGERY- 2023

In the year 2023, Rapti Eye Hospital performed 2318 minor surgeries, CKNEH performed 971 minor surgeries, Lamahi Eye Hospital performed 550 minor surgeries, and PECC performed 73 minor surgeries. In total, 3917 minor surgeries were performed this year.



## VISION CORRECTION (REFRACTION SERVICE)- 2023

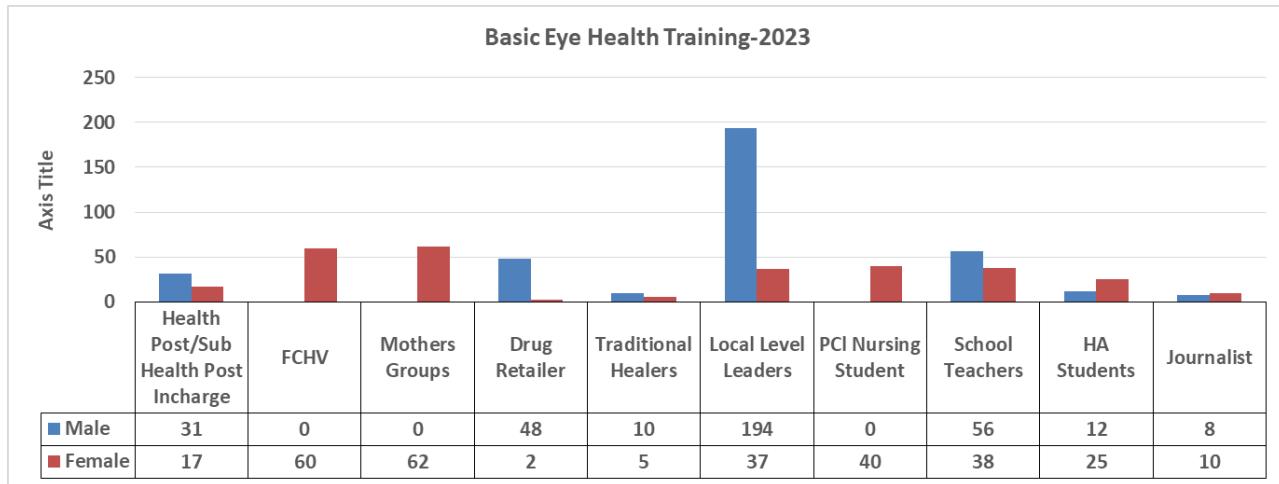
We provided refraction services and corrected the vision of 24,563 patients in 2023 (Male 41% / Female 59%). Total 19,530 patients were treated and their vision was corrected in 2022.



## BASIC EYE HEALTH TRAINING-2023

A total of 655 participants received basic eye health training in 2023. This group consisted of 48 health post in-charges, 60 Female Community Health Workers (FCHVs), 62 Mothers Group members, 50 drug retailers, 15 traditional healers, 231 elected members of municipal and rural

municipalities, 40 PCL-level nursing students, 94 school teachers, 37 health assistant students, and 18 Journalists.



## **EYE HEALTH EDUCATION/SCREENING CAMP/SURGICAL CAMPS/AWARENESS PROGRAM**

A school eye health education program is an integral part of an awareness and advocacy campaign. The main objective of eye health education is to provide information and knowledge about common eye diseases for early intervention. We had targeted to provide School Health Education to 8500 students (last year achievement was 7920). We succeeded in providing eye health education to 8,507 students.

Free eye checkup for school children was conducted in 23 schools (while the target was 25 schools). 8,773 students were examined (Boys 46% / Girls 54%). Among them, 125 students (boys 42% / girls 58%) were provided with free glasses.

23 Eye Camp and 167 DST camps were conducted this year. 63,509 patients received OPD service.

	<b>Eye Health Education/Screening Camp/Surgical Camps/Awareness activities</b>	<b>Achievement 2020</b>	<b>Achievement 2021</b>	<b>Achievement 2022</b>	<b>Target of 2023</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	
1	School Eye Health education In Schools	2488	2679	7920	8500	3924	4583	8507	
2	Total Eye screening at Schools	6 Schools	9 Schools	28 schools	25 schools			23schools	
3	Total School Eye Health Education in Schools	6 Schools	9 Schools	28 schools	25 schools			23 schools	
4	Free Surgical Eye Camps	1 Spots	17 spots	20 spots	21 spots			23 Spots	
5	Pick-up and Screening (DST) Camps-	8 Spots	51 spots	99 spots	75 spots			167 Spots	
6	Total awareness campaign	1 Spots	0	1 Spots	2 spots			0	
	Publish news and articles in newspaper	28 nos	37 nos	57 nos	60 nos			60 nos	
	Broad cast eye health message by local fm	11280 times	18000 times	14400 times	15000 times			14400 times	
	<b>Free Glass Distribution School Children</b>	<b>10</b>	<b>105</b>	<b>107</b>	<b>150</b>	<b>53</b>	<b>72</b>	<b>125</b>	
	Free Glass Distribution Adult	0	641	5728	6000	5688	6475	12163	
	Distribution of Blind Certificate and Reffer DAB	44	40	40	25	11	13	24	
	<b>Machine and Equipments</b>								
	VFA (Visual Field Analyser)- REH				1			0	
	Phaco machine-LEH				1			0	
	Construcion 2nd floor of ward block - CKNEH				1			1	
	Construction of staff quarter in Bahadurganj				1			1	
	kill Development/Income Generating for BPS people				25 person			25 Persons	
	Gender Based Voilence				4 spot			4 Spots	REH=1, LEH=2, CKNEH=1
	Social Audit				1 in REH			1 in REH	
	Fellowship training - Oculoplasty & Retina				2 nos				
	Meeting with Provincial Health Ministries /Health Directorate/Volunteers (Advocacy)				50 person			42	
	LPAC				1			1	
	CPAC				1				
	ng with Central Level Authorities (MoF/MoH/MoU)				2			2	

## TRAINING/SYMPORIUM/WORKSHOP/HR SKILLED DEVELOPMENT-2023

2023	<b>MANAGEMENT COMMITTEE</b> Mr. Krishna Kumar Giri Mr. Resham Bdr Khadka Mr. Surendra Khadka Mr. Shayam Acharya  <b>RAPTI EYE HOSPITAL</b> Dr. Jyoti Sapkota Mr. Chiranjivi Rijal  <b>LAMAH EYE HOSPITAL</b> Mr. Samsher Thapa	APAO Meeting at Malesiya From 20 <sup>th</sup> Feb to 25 <sup>th</sup> Feb, 2023	Organised by APAO
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	<b>CKNEH-BAHADURGUNJ</b> Dr. Sulaxmi Katuwal Mrs. Sharada Chy Mr.Ramesh Chandra Bist		
2023	Dr. Santosh Subedi	ROP Workshop from 10 <sup>th</sup> March to 12 <sup>th</sup> March,2023	Organised by Retinal Surgeon Society
2023	Dr. Nita Sunam	NPOSS CME from 17 <sup>th</sup> March,2023	Oraganised by NPOSS
2023	Mr. Resham Bdr Khadka Mr. Krishna Bhattarai Mr.Hum Bdr Chy Mr. Deepak Mahat Mrs. Jenisha Thapa	Financial Management Tarining from April 17 <sup>th</sup> to 19 <sup>th</sup> April, 2023	Oraganized By CNNJS
2023	Dr. Suresh Rasaily Mr.Sujan Rijal	Eyexcel Training at Sadguru Netra Chikitsalaya, Chitrakut from April 24 <sup>th</sup> to April 28 <sup>th</sup> ,2023	Organised By Seva Foundation
2023	Dr. Nita Sunam Ms. Manju Bohara Mr. Santosh Sharma	Eyexcel Training at Pokhara form May 8 <sup>th</sup> to 9 <sup>th</sup> May, 2023	Organised By Seva Foundadtion
2023	Mr. Ramesh Bdr Giri Mrs. Shreejana Khanal Mr. Sartaj Husen	Pediatric Audiology and Auditory Verbal Therapy from 1 Jestha to 12 Jestha, 2080	Organised by BP Eye foundation
2023	Ms. Samikshya Satgaiya Ms. Muna Sharma Ms. Prastota Belbase	Refraction Training at Lacoul Eye Hospital Tansen Palpa from 15 Jestha to 19 Jestha ,2080.	Organised by CNNJS at Palpa
2023	Dr. Jyoti Sapkota	Eye Bank and Corneal Surgeons Meeting" Seminar 3rd June, 2023	Organised by Nepal Cornea, Cataract and Refractive Surgery Society Seminar
2023	Mr. Prabin Dangi	Pediatric Refraction and Vision therapy from 14 <sup>th</sup> to 17 <sup>th</sup> june 2023 at Lumbini Eye Institute	Organised by Lumbini Eye Institute
2023	Mr. Sushil Karki, Optometrist Ms. Balika Shreepaili, OA Ms.Dakshina Chaudhary ,OA	Low Vision Training from 16 <sup>th</sup> june to 19 <sup>th</sup> June ,2023	Oragnised by Centreal NEpal Netra Jyoti Sangh
2023	Ms. Manisha Pun	Ear Training at Provience Hospital ENT Department, Surkhet from 2 <sup>nd</sup> July to 31 <sup>st</sup> July,2023t	Oraganised By Integrated Eye and Ear Health Program
2023	Dr. Santosh Subedi	Retina Services in Nepal workshop on 24 <sup>th</sup> July ,2023 at Nepal Eye Hospital	Organised by Nepal Vitreo-retina society and Nepal Eye HospitalS
2023	Mr. Krishna Bhattarai Mr.Hum Bdr Chaudhary	Refresher training on Accounting on 25 <sup>th</sup> July,2023 at Sagarmatha	Organised By Central NNJS

	Mrs. Jenisa Thapa	Chaudhary Eye Hospital, Lahan	
2023	Mr. Rohit Kadayat Mr. Bimal Ghimire Mr. Hari Bhandari	Outreach Program Co-ordinator training at Bharatpur Eye Hospital from 6 <sup>th</sup> to 25 <sup>th</sup> Aug,2023	Organised By Bharatpur Eye Hospital, Bharatpur, Chitwan
2023	Dr. Jyoti Sapkota	DMEK Workshop at TIO from 22 <sup>nd</sup> Aug to 25 <sup>th</sup> Aug, 2023	Organised by Life Sight
2023	Dr. Santosh Subedi Dr. Jyoti Sapkota	DOS conference at Delhi from 1 <sup>st</sup> Sep to 5 <sup>th</sup> Sep , 2023	Organised by Delhi Ophthalmic Scoiety
2023	Dr. Suresh Rasaily	NEEDCR workshop from 1 <sup>st</sup> Sep to 3 Sep , 2023	Organised by Nepal Ophthalmic Oculopastic Society
2023	Dr. Suresh Rasaily Dr.Sulaxmi Katuwal Mr. Salik Ram Gautam	ACION Conference 3 Sep to 26 Sep, 2023	India Bilashpur, Chhatigadh
2023	Dr. Santosh Subedi Dr. Sudip Lal Raj Bhandari Dr. Dikshya Pradhan	NVRS conference 16 <sup>th</sup> to 18 <sup>th</sup> November, 2023	Organised by NVRS at Kathmandu
2023	Dr. Santosh Subedi Dr. Suresh Rasaily Dr. Jyoti Sapkota	NOSCON 12 Oct ,2023 At Biratnagar	Organised by NOSCON
2023	Mr. Samsher Thapa	Asia Best Administrator Award on 3 <sup>rd</sup> Decembe,2023	At Trichi, India
2023	Dr. Santosh Subedi	Asia pacific vitreo retina society Conference from 8 <sup>th</sup> to 10 <sup>th</sup> December,2023	Organised by APVRS at Hong kong
2023	Staff working under Eye Health Program-	Councelling Training at Bhaluwang	Organised by Lamahi Eye Hospital
2023	Dr Dikshya Pradhan	Completed One year Anterior Segment Fellowship at Rapti Eye Hospital	NABP-Norway

## VISUAL OUTCOME 2023

The best visual results (6/6-6/18) after surgery at Rapti Eye Hospital in 2023 are 91.3% (91.2% in 2022), LEH 90.9% (90.0% in 2022), CKNEH 89.6% (89% in 2022), and at Eye Camp 90.1% (90.0% in 2022). Both the hospital and the eye camp have performed well in terms of the quality of surgery.

Visual Outcome 2023			
REH 2023	PRE OP.	POST OP.	%
6/6- 6/18	172	2619	91.3
<6/18 - 6/60	943	220	7.7
<6/60 - 3/60	868	23	0.8
<3/60	887	8	0.3
Total	2870	2870	

LEH 2023			
	PRE OP.	POST OP.	%
6/6- 6/18	153	1394	90.9
<6/18 - 6/60	484	119	7.8
<6/60 - 3/60	326	18	1.2
<3/60	570	2	0.1
Total	1533	1533	

CKNEH, 2023			
	PRE OP.	POST OP.	%
6/6- 6/18	689	7303	89.6
<6/18 - 6/60	2725	569	7.0
<6/60 - 3/60	2156	143	1.8
<3/60	2581	136	1.7
Total	8151	8151	

Koilabas, 2023			
	PRE OP.	POST OP.	%
6/6- 6/18	3	68	88.3
<6/18 - 6/60	24	7	9.1
<6/60 - 3/60	29	2	2.6
<3/60	21	0	0.0
Total	77	77	

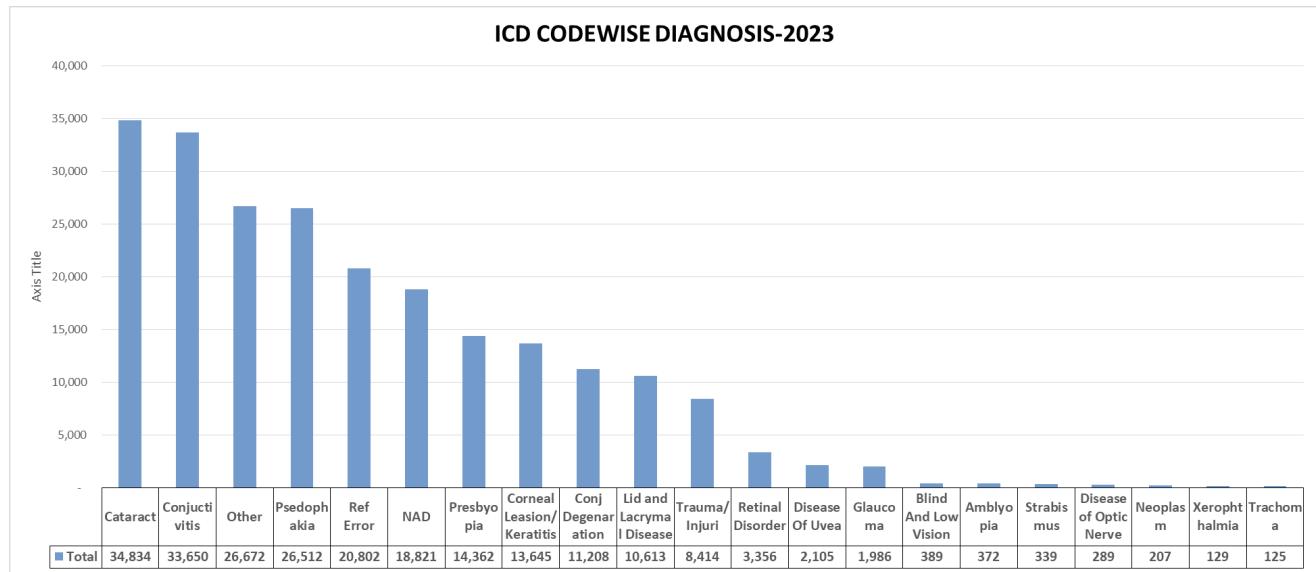
Rukum, 2023			
	PRE OP.	POST OP.	%
6/6- 6/18	4	54	90.0
<6/18 - 6/60	23	4	6.7
<6/60 - 3/60	14	2	3.3
<3/60	19	0	0.0
Total	60	60	

Visual Outcome 2023			
Camp, 2023	PRE OP.	POST OP.	%
6/6- 6/18	12	3100	90.1
<6/18 - 6/60	780	253	7.4
<6/60 - 3/60	1409	83	2.4
<3/60	1239	4	0.1
Total	3440	3440	

## ICD (INTERNATIONAL CLASIFICATION OF DISEASES) - 2023

In 2023, cataract is the highest in number and conjunctivitis second followed by other in third number.



## CATARACT SURGICAL RATE (CSR) - 2022-2023

Compared to 2019, the Cataract Surgical Rate (CSR) in 2020 decreased significantly due to Covid-19. According to the CSR report for 2019, there were 4,042 CSRs, while in 2020 there were only 1,952 CSRs. However, in 2022, the number increased to 4,658. In 2023, the CSR has further increased by 5,647.

<b>Nepal Netra Jyoti Sangh</b> <b>Eye Health Programme Rapti and Bahadurgunj</b> <b>District Wise Cataract Surgical Rate (CSR) 2022</b>								
Districts	Population 2015	Plan	Eye Camps	Hospital	Total	20% add	Total Surgery	CSR/ Million population
Dang	557852	0	23	2972	2995	599	3594	6443
Salyan	243575	0	472	308	780	156	936	3843
Rukum (West)	154272	0	348	84	432	86	518	3360
Rolpa	227075	0	301	215	516	103	619	2727
Pyuthan	235165	0	232	214	446	89	535	2276
Rukum (East)	53018	0	100	57	157	31	188	3554
Kapilvastu	481976	0	814	1441	2255	451	2706	5614
					0	0	0	
					0	0	0	
					0	0	0	
<b>Total</b>	<b>1952933</b>	<b>0</b>	<b>2290</b>	<b>5291</b>	<b>7581</b>	<b>1516</b>	<b>9097</b>	<b>4658</b>

<b>Nepal Netra Jyoti Sangh</b> <b>Eye Health Programme Rapti and Bahadurgunj</b> <b>District Wise Cataract Surgical Rate (CSR) 2023</b>								
Districts	Population 2021	Plan	Eye Camps	Hospital	Total	20% add	Total Surgery	CSR/ Million population
Dang	674993	0	616	3438	4054	811	4865	7207
Salyan	238515	0	391	336	727	145	872	3658
Rukum (West)	166740	0	225	179	404	81	485	2908
Rolpa	234793	0	400	236	636	127	763	3251
Pyuthan	232019	0	194	174	368	74	442	1903
Rukum (East)	56786	0	84	51	135	27	162	2853
Kapilvastu	682961	0	2206	2232	4438	888	5326	7798
					0	0	0	
					0	0	0	
					0	0	0	
<b>Total</b>	<b>2286807</b>	<b>0</b>	<b>4116</b>	<b>6646</b>	<b>10762</b>	<b>2152</b>	<b>12914</b>	<b>5647</b>

# ACHIEVEMENT (SUMMARY)- 2023

	<b>OPD Service-Eye</b>	Achievemnet of 2020	Achievement 2021	Achievement 2022	Achieveme nt 2023	% achieve
	<b>Rapti Eye Hospital</b>	47885	56250	64846	74776	107.75
	<b>Lamahi Eye Hospital</b>	28165	36295	39388	44331	105.05
	Salyan Eye Centre	5893	6992	6899	9293	123.91
	Rukum Surgical Eye Centre- West	4652	5279	6366	6376	92.41
	<b>CKNEH-Bahadurgunj</b>	38447	57089	68362	79402	108.32
	Koilabas Surgical Eye Centre	122	311	728	2453	306.63
	Krishnanagar Referral Centre	3077	5060	4942	4875	88.64
	Sulichaur Eye Centre, Rolpa	1633	2179	2361	2702	103.92
	Rukumkot Eye Center-East	843	908	914	1360	136.00
	Bhalubang Eye Centre- Dang				2768	
	Integrated Eye Care Centre- Gobardhiya				337	
	Integrated Eye Care Centre- Rajpur				157	
	<b>Sub Total of Hospital and Centres</b>	<b>130717</b>	<b>170363</b>	<b>194806</b>	<b>228830</b>	<b>109.38</b>
	<b>Outreach Activities</b>					
	Surgical Camp	512	10073	12086	19286	148.35
	Screening Camp	1442	6036	17101	35450	193.72
	School Screening Camp	2488	2679	7920	8773	103.21
	<b>Sub Total of outreach activities</b>	<b>4442</b>	<b>18788</b>	<b>37107</b>	<b>63509</b>	<b>159.57</b>
	<b>Grand Total</b>		<b>189151</b>	<b>231913</b>	<b>292339</b>	<b>117.41</b>

	<b>OPD Service-Ear</b>	Achivement 2020	Achievement 2021	Achievement 2022	Achieveme nt 2023	% achieve
	Ear Service at LEH	3729	4542	4821	6619	127.29
	Ear Service at REH	1890	2318	2177	2683	107.32
	Ear Service at CKNEH	536	1238	1727	1961	103.21
	Ear Care Service in Rukum Surgical Eye Centre- West	305	571	606	1162	178.77
	<b>Sub Total of Hospital and Centres</b>	<b>6460</b>	<b>8669</b>	<b>9331</b>	<b>12425</b>	<b>121.22</b>

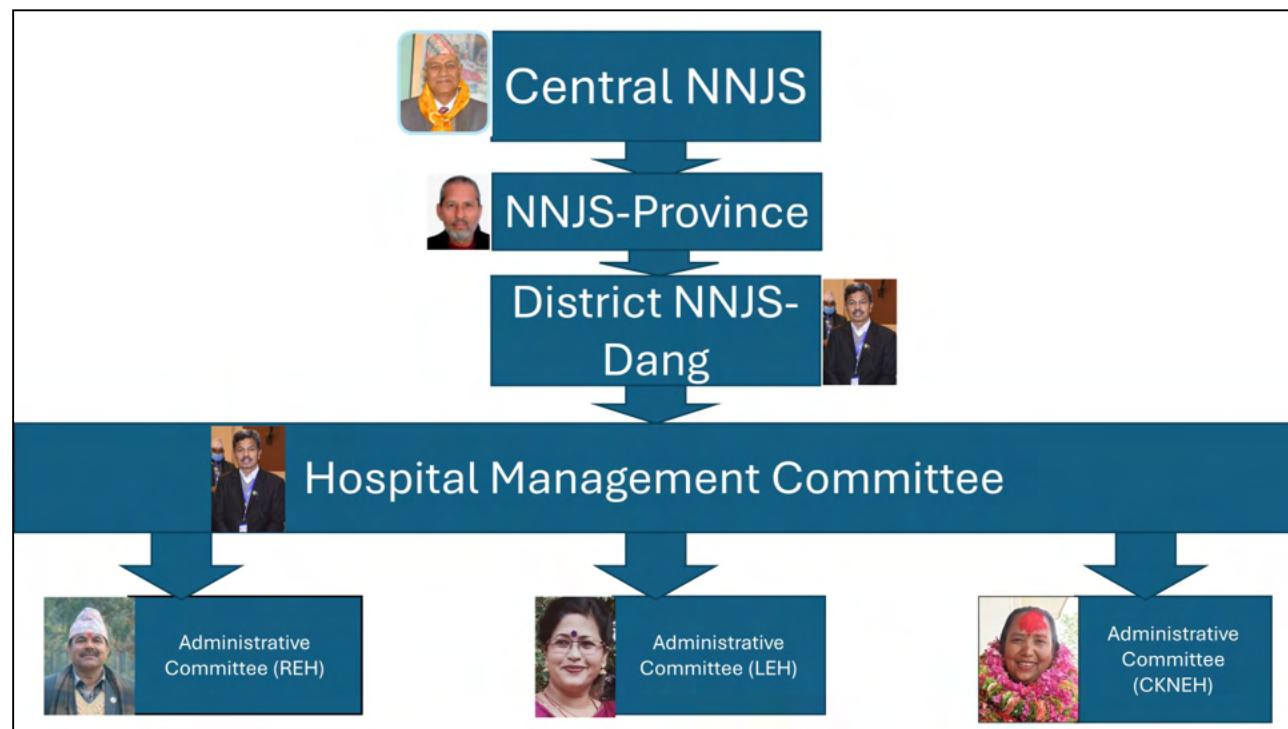
	Cataract Surgery	Achievemnet of 2020	Achievement 2021	Achievment 2022	Achieveme nt 2023	% achieve
1	Rapti Eye Hospital	1397	1781	2509	2870	106.30
2	Lamahi Eye Hospital	675	960	1369	1533	102.20
3	CKNEH-Bahadurgunj	5027	6123	7081	8151	107.25
4	Surgical Eye Camp	404	1861	2438	3440	137.60
5	Koilabas Surgical Eye Centre			21	77	77.00
6	Rukum Surgical Eye Centre- West				60	
	Total	7503	10725	13418	16131	112.02
	Major/Minor Surgery	Achievement of 2020	Achievement 2021	Achievment 2022	Achieveme nt 2023	% achieve
1	Rapti Eye Hospital	834	1298	1576	2318	140.48
2	Lamahi Eye Hospital	272	431	464	550	110.00
3	CKNEH-Bahadurgunj	327	746	1029	971	88.27
4	Ghorahi Eye Centre	39	0	0	0	
5	Rukum Surgical Eye Centre-West	17	29	47	39	77.55
6	Salyan Eye Centre	23	7	10	17	158.88
7	Surgical Eye Camp	0	22	10	5	25.00
8	Sulichaur Eye Centre, Rolpa	20	9	13	11	79.08
9	Krishnanagar Refferal Center	3	2	1	4	40.00
10	Koilabas Surgical Eye Centre		0	0	2	
	Total	1532	2544	3150	3917	116.75
	Refractive Error Corrected by the spectacles	Achievement of 2020	Achievement 2021	Achievment 2022	Achieveme nt 2023	% achieve
1	Rapti Eye Hospital	2717	3337	5800	7751	125.02
2	Lamahi Eye Hospital	2792	3422	3588	4750	118.75
3	CKNEH-Bahadurgunj	2865	4083	5830	5081	80.65
4	Ghorahi Eye Centre	719	22	0	0	
5	Rukum Surgical Eye Centre-West	559	678	739	854	106.75
6	Salyan Eye Centre	210	335	388	569	126.44
7	Koilabash Surgical Eye Centre	15	43	82	286	286.00
8	Krishnanagar Refrral Centre	439	650	724	702	87.75
9	Sulichaur Eye Centre, Rolpa	93	139	186	231	115.50
10	Rukumkot Eye Center-East	92	91	72	107	107.00
11	Bhalubang Eye Centre, Dang				388	
12	Integrated Eye Centre, Gobardhiya				51	
13	Integrated Eye Centre, Rajpur				32	
14	Surgical Eye Camp	7	534	403	1039	188.91
15	Screening / Pick up Camp	70	891	1245	2396	184.31
16	School screening	49	105	473	326	64.41
	Total	10627	14330	19530	24563	115.29

	<b>Primary Eye Health Care Traininhg</b>	<b>Achievement of 2020</b>	<b>Achievement 2021</b>	<b>Achievment 2022</b>	<b>Achieveme nt 2023</b>	<b>% achieve</b>
1	Health Post/Sub Health Post Incharge	53	58	51	48	96.00
2	FCHV	62	86	65	60	100.00
3	Mothers Groups	58	84	82	62	103.33
4	Drug Retailer	0	0	0	50	
5	Traditional Healers	66	22	15	15	75.00
6	Local Level Leaders	210	0	808	231	92.40
7	PCI Nursing Student	0	0	40	40	100.00
8	School Teachers	174	75	105	94	104.44
9	HA Students	0	0	35	37	105.71
10	Journalist	38	45	36	18	45.00
	<b>Total</b>	<b>370</b>	<b>1237</b>	<b>655</b>	<b>101.55</b>	
	<b>Eye Health Education/Screening Camp/Surgical Camps/Awarness activities</b>	<b>Achievement of 2020</b>	<b>Achievement 2021</b>	<b>Achievment 2022</b>	<b>Achieveme nt 2023</b>	
1	School Eye Health education In Schools	2488	2679	7920	8507	
2	Total Eye screening at Schools	6 Schools	9 Schools	28 schools	23schools	
3	Total School Eye Health Education in Schools	6 Schools	9 Schools	28 schools	23 schools	
4	Free Surgical Eye Camps	1 Spots	17 spots	20 spots	23 Spots	
5	Pick-up and Screening (DST) Camps-	8 Spots	51 spots	99 spots	167 Spots	
6	Total awareness campaign	1 Spots	0	1 Spots	0	
	Publish news and articles in newspaper	28 nos	37 nos	57 nos	60 nos	
	Broad cast eye health message by local fm	11280 times	18000 times	14400 times	14400 times	
	<b>Free Glass Distribution School Children</b>	<b>10</b>	<b>105</b>	<b>107</b>	<b>125</b>	
	Free Glass Distribution Adult	0	641	5728	12163	
	Distribution of Blind Certificate and Reffer DAB	44	40	40	24	
	<b>Machine and Equipments</b>					
	VFA (Visual Field Analyser)- REH				0	
	Phaco machine-LEH				0	
	Construcion 2nd floor of ward block - CKNEH				1	
	Construction of staff quarter in Bahadurganj				1	
	kill Development/Income Generating for BPS people			25 Persons		
	Gender Based Voilence				4 Spots	REH=1,LEH=2, CKNEH=1
	Social Audit				1 in REH	
	Fellowship training - Oculoplasty & Retina					
	Meeting with Provincial Health Ministries /Health Directorate/Volunteers (Advocacy)				42	
	LPAC				1	
	CPAC					
	ng with Central Level Authorities (MoF/MoH/MoU)				2	

## PAPER PUBLICATION IN 2023

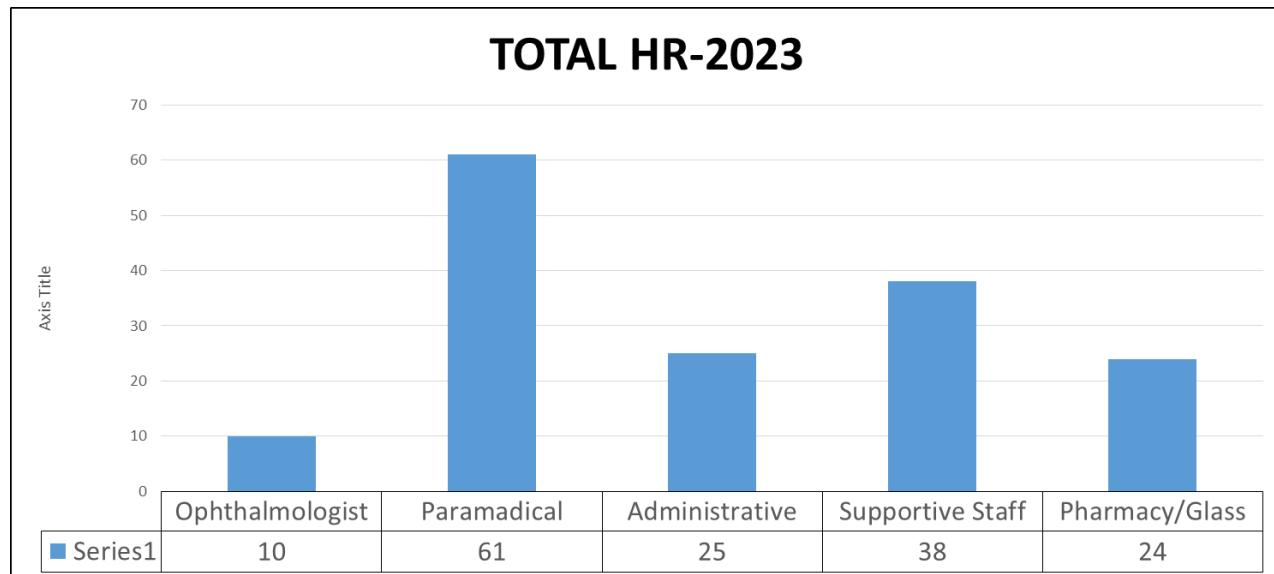
- 1) Sapkota J, Subedi S, Katuwal S, Sunam N, Rasaily SB, Yadav O. Pattern of Herpes Simplex Virus Keratitis at A Tertiary Eye Care Center in Mid-Western Region of Nepal, 2023
- 2) Sapkota J, Subedi S, Katuwal S, Sunam N, Rasaily S, Sharma S. Spectrum of Microbial Keratitis in the Mid-Western Region of Nepal. Nepal Medical Journal. 2023;6(1):38-42.
- 3) Jyoti Sapkota, Santosh Subedi, Sulaxmi Katuwal, Nita Sunam, Suresh BK Rasaily, Om Yadav (2023). Pattern of Herpes Simplex Virus Keratitis at A Tertiary Eye Care Center in Mid-Western Region of Nepal. East African Scholars J Med Sci, 6(2), 30-33. DOI: 10.36349/easms.2023.v06i02.001.
- 4) Patient Satisfaction towards Eye Care Service of Gaur Eye Hospital, Nepal, using SERVQUAL model. Samsher Thapa, Dr. Kapil Khattar. 2023 .6,s.l.: IRJMSH,2023, International Research Journal of Management Sociology & Humanities , Vol.14 [www.IRJMSH.com](http://www.IRJMSH.com)
- 5) Limbu B, Kafle PA, Lamichanne DH, et al Epidemiological and Clinical Presentation of Retinoblastoma among Nepalese Children in 2019. South Asian J Cancer 2023;12(2) :199–205.

# Hierarchical chart of Management



# HUMAN RESOURCE DETAILS- 2022/23

Nepal Netra Jyoti Sangh Eye Health Program - Rapti & Bahadurgunj									
STAFF DETAILS OF 2023									
	Medical	Paramedical	Administrative	Supportive/ Out Source	Spec/Medicine	TOTAL		Male	Female
EHP-R&B	1	1	6	1		9		7	2
Rapti Eye Hospital	4	19	6	10	8	47		24	23
Lamahi Eye Hospital	2	12	3	10	3	30		16	14
CKNEH-Bahadurgunj	3	22	10	11	7	53		28	25
PECC		7		6	6	19		11	8
<b>TOTAL STAFFS</b>	<b>10</b>	<b>61</b>	<b>25</b>	<b>38</b>	<b>24</b>	<b>158</b>	<b>0</b>	<b>86</b>	<b>72</b>
								<b>54</b>	<b>45%</b>



# PHOTOGRAPH OF SOME ACTIVITIES-2023

MOU with Ek-Ek Paila Foundation for Eye Camp Support in Rukum-East.



MOU with Siloam Centre ,South Korea for Phaco Support.



MOU with the delegates of Ayurveda College for internship training at Rapti Eye Hospital.



MOU with the Local Lions Club regarding the handover of OCT and Vitrectomy to REH.



**Meeting with the Technical Advisor of Lions International, Dr. DN Shah, regarding the support of instruments and equipments.**



**MOU with the local government for free cataract service.**



**Support from NABIL and Machapuchre Bank**



### Free Surgical Eye Camps at different places .



### Meeting with NABP Delegates and Dedicare Team at Rapti Eye Hospital



## Field Visit by NABP delegates and Dedicare team.



## Social Audit-2023



## Press Meet-2023



## Advocacy for the support of Eye Health Proram with Ministry of Health-Lumbini



## Advocacy for the support of Eye Health Program with Local Government.





Income Generation Training for Blind and Dissable Person under Rehab Program



Field Visit by different International Donor



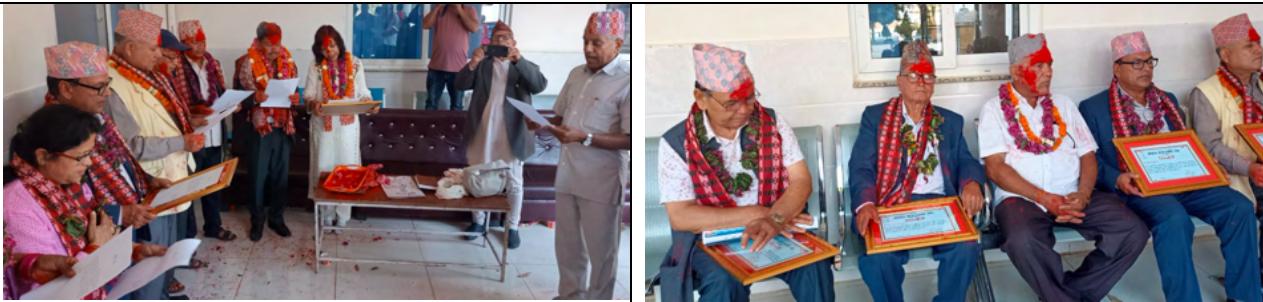
### Planning Meeting-Eye Health Program-Rapti & Bahadurgunj



Basic Eye Health Training



Newly Elected Executive Committee of NNJS-Dang Branch





Newly formed Hospital Management Committee



Award Received-2023





World Sight Day-2023



Ophthalmic science program



## School eye Health Education



## Eye Care Centre expansion at Gobardhiya, Gadhwa



## Inaguration of OCT and Vitrectomy Machine



## Agreement and Support Received for Eye Health Program



## Support received from local donor



## Proposal submitted to Provincial and Local Government



## Meeting with the Local Government on sustainable development of eye care service.





45<sup>th</sup> NNJS-Day



## Presbiopic Glass- Free Service



## Awareness Campaign



## Local Project Advisory Committee Meeting



## OT Team



# SUCCESSFUL STORY

## Khima Saru: A Journey of Light

In the beautiful village of Airawati-3 of Pyuthan district, there lived a woman named Khima Saru. Born in the year 2001, Khima's life was like a storybook with its share of challenges and success.

Khima's journey took a turn when she was in the 7th grade. A cloud of darkness descended upon her as she was diagnosed with a cataract in her right eye. This made it hard for her to see clearly. Despite facing this difficulty, Khima continued to move forward with a brave heart.

After getting married and becoming a mother, Khima faced even more challenges due to her poor eyesight. Her husband worked far away in India to support the family, leaving her to manage everything at



home. The financial struggles and lack of family support made it impossible for Khima to get the treatment she needed for her eyes.

But just when things seemed bleak, a ray of hope appeared. In the spring of Baisakh BS 2080 (AD 2023), a free screening camp was set up in Baddada-4, Pyuthan with the local support of Sarumarani Rural Municipality and financial support of Siloam International Centre of the Blind, South Korea. She was taken to Lamahi and underwent surgery at Lamahi Eye Hospital.

When the bandages were removed after the surgery, Khima couldn't believe. Everything was so clear and bright! Tears of joy streamed down her face as she looked around at the world with her new vision.

With her sight restored, Khima started working from home, sewing and cutting fabric to make a living. No longer held back by her poor eyesight, she felt like a new life, ready to take on the world.



"I am very grateful to Dr. Sudip Lalrajbhandari and the team at Lamahi Eye Hospital, as well as the Siloam International Center for the Blind in South Korea. They have given me the gift of sight, and their kindness has changed my life in ways I never thought possible," Khima said.

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