



Nepal NetraJyoti Sangh
Hiralal Santudevi Pradhan Institute of Ophthalmic Sciences
BHARATPUR EYE HOSPITAL
Bharatpur, Chitwan



ANNUAL REPORT

2021-2022

Care with Compassion & Competence



**Bharatpur Metropolitan-10, Chitwan
Bagmati Province, Nepal**



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Nepal Netra Jyoti Sangh

Hiralal Santu Devi Pradhan Institute of Ophthalmic Sciences

BHARATPUR EYE HOSPITAL

Hospital Management Committee



S. N.	Name	Designation
1	Krishna Raj Dharel	Chairperson
2	Chija Kumar Maskey	Member (CNNJS)
3	Jaya Ram Shrestha (Bhairab)	Member
4	Tejendra Bahadur Khadka	Member
5	Keshab Prasad Adhikari	Member
6	Assoc. Prof. Dr. Sangita Sharma Bhandari	Member
7	Daya Shankar Chaudhary	Member Secretary



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तमसोमा ज्योतिर्गमय
नेपाल नेत्रज्योति संघ
NEPAL NETRA JYOTI SANGH
(National Society for Comprehensive Eye Care)
CENTRAL OFFICE



Ref. No.



MESSAGE FROM THE CHAIRMAN Central Executive Committee

It gives me immense pleasure to know that Institute is publishing annual report for the Fiscal Year 2021- 2022. Hira Lal Santudevi Pradhan Eye Institute has established itself as a centre of excellence in the eye care sector, and is considered as one of the notable examples of community participation to achieve the noble objective of NNJS in providing high quality and high volume eye care services in affordable form to the rural population. In doing so, the Institute uses multi-pronged approaches as well as developing ophthalmic human resources for delivering quality eye care services in Nepal.

The Institute takes pride in a cadre of adequate experienced ophthalmologists and has a good back-up of paramedical and administrative staff. The institute is committed to providing high quality eye care at affordable cost at all levels and places value on evidence-based decision making and findings of research and studies.

We are thankful to all INGOs and the concerned stakeholders for their generous support and inputs to NNJS in developing and promoting eye care services in this country. I would like to express thankfulness to NNJS volunteers and staff of the institute who have worked for publishing this noble work.

I wish the every success of the Institute and very much look forward to continuing to build on our work together next year. Thanking You

Prof. Dr. Chet Raj Pant
Chairman
Nepal Netra Jyoti Sangh, Central Executive Committee

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MESSAGE FROM THE CHAIRMAN Nepal Netra Jyoti Sangh, Bagmati Province



It gives me immense pleasure to know that Hiralal Santudevi Pradhan Institute of Ophthalmic Science, Bharatpur Eye Hospital is bringing out its annual progress report for the year 2021-22.

Bharatpur Eye Hospital is one of the major contributor of eye care service in the province.

On behalf of the Nepal Netra Jyoti Sangh- Bagmati Province I would like to personally congratulate the entire team of Bharatpur Eye Hospital for all the progress and achievement done so far. I am pleased to see the growing progress of the hospital and it is even good to know that a new three storeyed hospital building is being constructed to meet the increasing demand of the patient flow and service expansion.

I would like to thank all those who have contributed directly or indirectly for the development of Bharatpur Eye Hospital.

Rishi Ram Paudel
Chairman
Netra Jyoti Sangh- Bagmati Province



MESSAGE FROM IMMEDIATE PAST PRESIDENT, BEH Executive Member, CNNJS



It gives me immense pleasure to witness the growth and development of Bharatpur Eye Hospital and it is good to know that all service parameters of the hospital have increased this year. To meet the increasing patient flow and service expansion we have been successful in starting construction of the three storeyed hospital building. This has been possible with the collective effort from BEH family, NNJS members Chitwan, Bharatpur Metropolitan city, Provincial government, Seva Foundation and different local donors. I would like thank all those who have contributed directly and indirectly in the growth of the hospital and wish the further progress of the hospital in coming days.

Chija Kumar Maskey

Executive Member CNNJS

Immediate Past President

Hospital Management Committee

Bharatpur Eye Hospital

MESSAGE FROM THE CHAIRMAN Executive Committee, NNJS Chitwan



I am pleased to know that Hiralal Santudevi Pradhan Institute of Ophthalmic Sciences- Bharatpur Eye Hospital is bringing out the annual progress report of the year 2021-22. I am very excited know that we had the highest number of patients visit and highest number of ocular surgeries done in the history of Bharatpur Eye Hospital. This has only been possible because of the hard working and dedicated staff members, guidance and support from the NNJS members and different stakeholders.

Krishna Raj Dharel

President

Nepal Netra Jyoti Sangh, Chitwan

Chairman, Bharatpur Eye Hospital

ACKNOWLEDGEMENT



It gives me an immense pleasure to see the escalating growth of the Bharatpur Eye Hospital since the very beginning of its establishment. And no doubt, it will definitely become an ultimate destination for eye care services nation-wide and globally one day if, the same zest and zeal we continuously get from the staff members and supporting volunteers in the eye care services. Because of all the dedicated staff members, supported by pillars of the selfless devoted and dedicated management committee members, with high level of hard working volunteers, it has been able to expand its services in different sectors of the eye care needs for our valued customer.

We have been constantly working on building up the physical infrastructure, human resources in order to provide a comfy ambience and patient safety flow and to overcome COVID like situation in the near future too.

Our gratefulness and thanks, to our supporters, valuable contributors whose contribution has made our forward journey comfortable and made us think and realize to come up with more advanced technology based services to our patient. This has also made our expectations reach to a level of new height and achieve more goals in the coming future with more and higher level, quality based services.

Thanks to our Bharatpur Eye Hospital entire team for the enhanced team spirit and help, to make this happen and also expect the same in the near future too.

“TOGETHER WE WIN AND DIVIDED WE FALL”



Assoc. Prof. Dr. Sangita Sharma Bhandari
Chief Medical Director
Bharatpur Eye Hospital



MESSAGE FROM SEVA



This gives us immense pleasure to see the overall growth and development of Bharatpur Eye Hospital.

The hospital has been engaging in various research activities in the community, teaching/ learning activities (Ophthalmic assistant training, Bachelor of Optometry training program, MD Ophthalmology residency program and various sub specialty fellowship program).

Bharatpur Eye Hospital has also been conducting various clinical and non-clinical short term training programs as needed within the hospital or community.

Bharatpur Eye Hospital has been providing equitable services to reach the unreached population. It has been conducting large number of surgical eye camps, screening camps, school screenings, diabetic retinopathy screening camps, establishing eye care centers, converting eye care center in to secondary eye hospitals, this becoming instrumental for accessing eye care services.

Seva has a big hope with new young and energetic leadership team for further growth and expansion of quality eye care services. After completing the new building construction, it will be much comfortable for the patients and staff members of the hospital.

Seva has been engaging with Bharatpur Eye Hospital for the last two decades and we look forward to collaborating with NNJS Bharatpur Eye hospital for many years to come.

Wishing all the best



Ram Prasad Kandel
Program Director Seva Foundation/Seva Canada Society
Nepal.
October 1, 2022



Certificate of Registration

This certificate has been awarded to

Nepal Netra Joyti Sangh, Bharatpur Eye Hospital

Bharatpur, Metropolitan-10, Chitwan, 44207, Nepal

in recognition of the organization's Quality Management System which complies with

ISO 9001:2015

The scope of activities covered by this certificate is defined below

Provide Eye Care Services

Certificate Number **122138/A/0001/UK/En**

A certificate number of 0001, confers the Client the single site Certified status in their Head Office or Main site in relation to the Certified scope with URS. A certificate number of 0001, or greater (e.g., 000001/UK/En) refers to a client that has more than one site certified with URS, in such, the following statement shall apply: "The validity of this certificate depends on the validity of the main certificate".

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
10 July 2022	1	09 July 2025	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
10 July 2022	0	10 July 2022	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by

On behalf of the Schemes Manager



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Brief Introduction and History of Bharatpur Eye Hospital

Bharatpur Eye Hospital; BEH (Hiralal Santudevi Pradhan Institute of Ophthalmic Sciences) is located in the Chitwan District of southern central Nepal. BEH is a non-profit making, charitable organization under the umbrella of Nepal Netra Jyoti Sangh (NNJS). Its objective is to provide high-quality comprehensive eye care services at an affordable cost to local as well as patients from neighboring districts like Gorkha, Lamjung, Nawalpur, Tanahau, Makwanpur, Parsa & Dhading which comprises of about two million populations. In addition to Base Hospital located at Bharatpur Metro Municipality, BEH has established 3 secondary level eye hospitals and 10 eye care centers at different places in its catchment area.

Bharatpur Eye Hospital was established in 1987. The hospital building was constructed with financial and technical support from the Bank of Commerce and Credits International (BCCI) Foundation Pakistan. The hospital was inaugurated jointly by the Late King Birendra Bir Bikram Shah Dev and the President of Pakistan, Ghulam Ishaq Khan on 31 March 1988. This was the only one eye hospital named after king, which was changed after Nepal attained Republic in 2008. BEH has an academic wing known as Hiralal Santudevi Pradhan Institute of Ophthalmic Sciences and is conducting residency in ophthalmology and fellowship programs in vitreo-retina and SICS in affiliation with the National Academy of Medical Sciences (NAMS). Similarly, it is conducting academic programs like Bachelor in Optometry (B Optom) under NAMS and Certificate Level in Ophthalmic Science under CTEVT Program.

Academic, training
and research

35 years of service
since 1987

Over 17 lakhs
people provided eye
care services since
establishment

High quality,
affordable and
comprehensive
eye care service to
prevent unnecessary
blindness

12 Eye care Centers,
1 City clinic and
3 Secondary
Eye Hospitals

Around 1 lakh
surgeries performed
since establishment



Hiralal Santudevi Pradhan Institute of Ophthalmic Sciences

BHARATPUR EYE HOSPITAL NETWORKS DETAILS

S.N.	Name of Secondary Eye Hospital and Eye Care Centers	Location	Date of Establishment
1.	Bharatpur Eye Hospital Thori	Parsa	2072(2015)
2.	Bharatpur Eye Hospital, Kawasoti	Nawalpur	2061(2004)
3.	Bharatpur Eye Hospital, Simrongard	Bara	2073(2016)
4.	Chij Kumar, Bishnu Kumari OPD Service (City Clinic) Bharatpur	Chitwan	2067(2010)
5.	Eye Care Center -Parsa, Khairani	Chitwan	2065(2008)
6.	Eye Care Center- Madi	Chitwan	2068(2011)
7.	Eye Care Centre- Tandī	Chitwan	2072(2015)
8.	Narshingdham Eye Care Centre, Salyantar	Dhading	2071(2014)
9.	Eye Care Centre- Chaunali	Chitwan	2072(2015)
10.	Eye Care Centre- Kurintar	Chitwan	2077(2021)
11.	Eye Care Centre- Dudhauri	Sindhuli	2077(2021)
12.	Eye Care Centre- Hupsekot	Nawalpur	2078(2021)
13.	Eye Care Centre- Madhyabindu	Nawalpur	2078(2021)
14.	Bhardakali Kandel Eye Care Centre- Benighat	Dhading	2078(2021)



OUR MISSION

Providing high quality eye care to prevent unnecessary blindness.



OUR VISION

Ultimate Destination for
Eye Care

OUR VALUES

1. No one should be denied eye care for economic reason.
2. Competent and compassionate team.
3. Strive for continued improvement in all aspects of patient care.
4. Transparency in function.





OUR WORK /WHAT WE DO?

Operational

Strategic

QUALITY
EYE CARE

PARTNERSHIP

TRAINING AND
HUMAN RESOURCE
DEVELOPMENT

SUSTANABILITY

ACCESSIBILITY

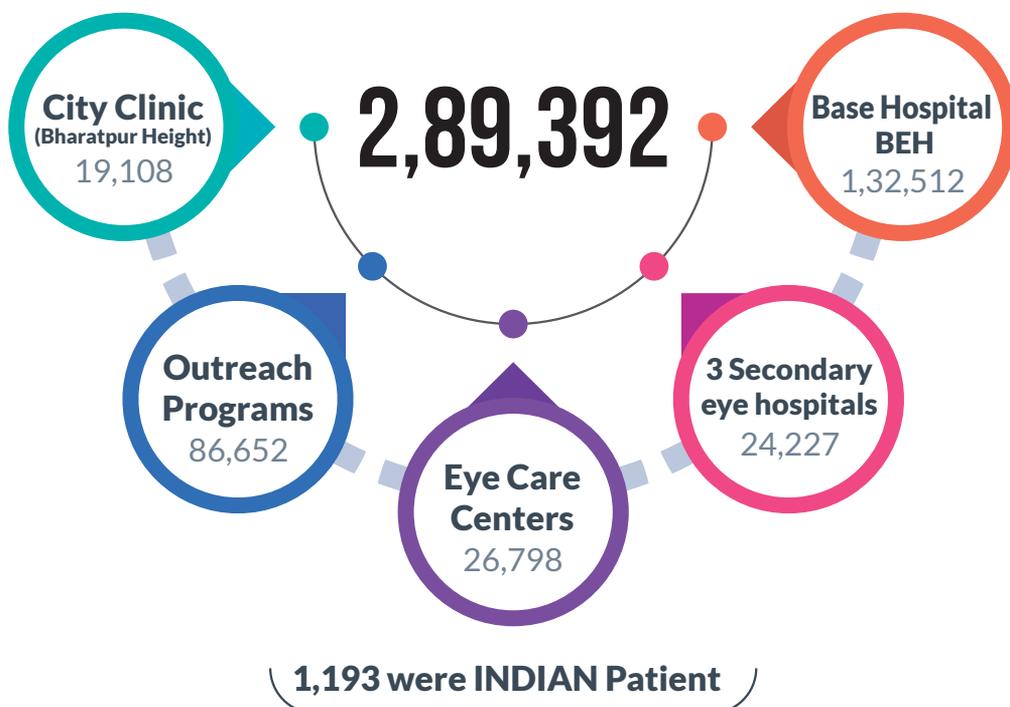
REPUTATION /
PUBLIC TRUST

RESEARCH



Performance of 2021-22

2,89,392 patient visits were recorded in the year 2021-22 at Bharatpur Eye Hospital and its networks including those screened through various outreach activities. The details are given below in the flow chart.



HIGHEST NUMBER OF PATIENT VISITS IN BEH HISTORY

- It is an increase of **118%** compared to previous year
- **70 %** of the total patient visits were done in base hospital and its networks.
- **30%** patients were screened through various community outreach activities
- More Females seeking eye care service than males

46%
Males

54%
Females

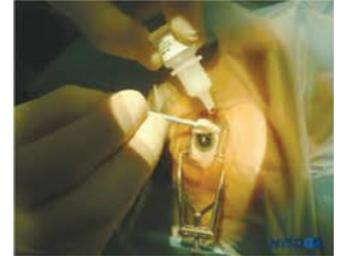
District wise distribution of patient attending BEH

Name of district	Number of patients	Percentage
Chitwan	94,084	73.77%
Nawalpur	14,259	11.00%
Makwanpur	554	0.43%
Tenahau	3,258	2.55%
Dhading	346	0.27%
Lamjung	1,187	0.93%
Gorkha	3,120	2.44%
Others	10,726	8.41%

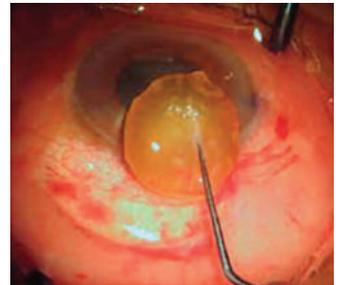


EYE SURGERIES 2021-22

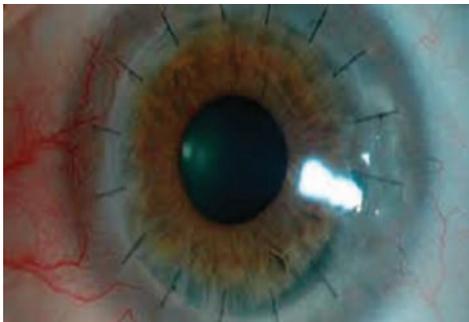
A total of **9,894** eye surgeries were performed, including both major and minor surgeries



8,579 (86.70%) of the surgeries were sight restoring cataract surgeries both for the hospital and camp based patients



56.5% of total cataract surgeries were performed through outreach programs
3,478 (71.75%) through surgical camps
1371 (28.25%) through DST camps



1,315 were ocular surgeries other than cataract

Corneal surgery - 381

Glaucoma - 84

Retina - 161

Oculoplasty - 387

Pediatric - 90

Minor surgeries - 212

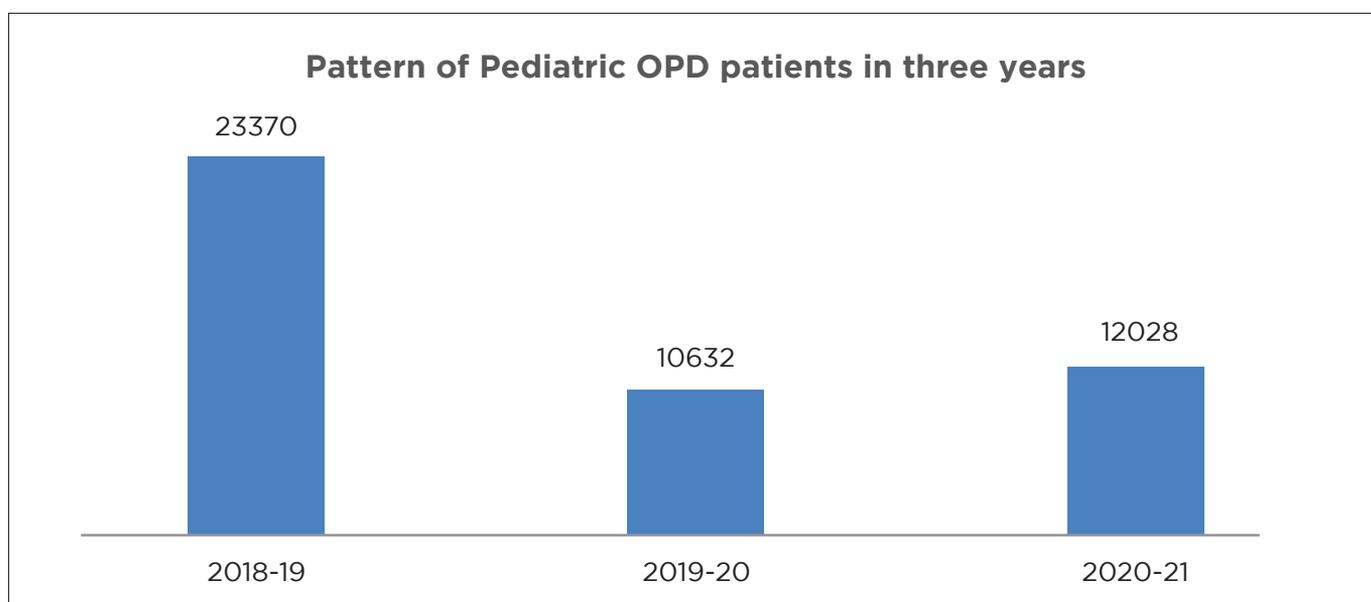


76% increase in cataract surgery than previous year

Specialty Services 2021-22

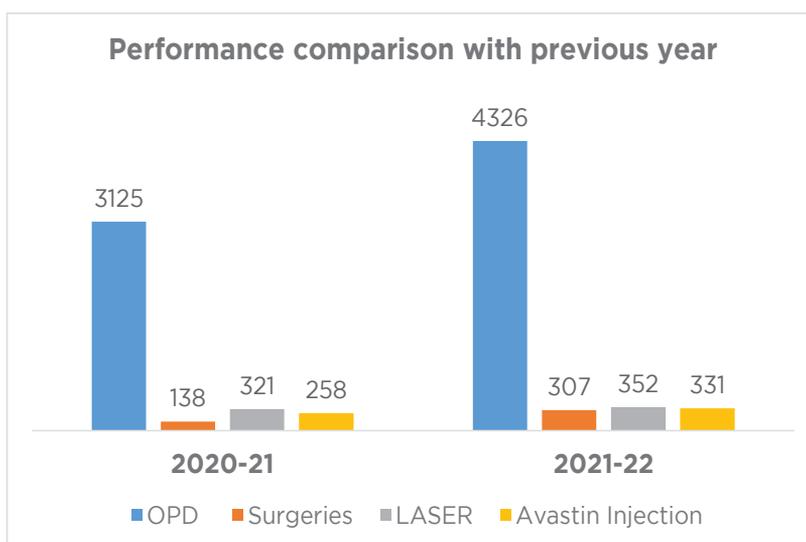
Pediatric Service

A total of **12,028** pediatric patients aged 0-16 years were examined in pediatric department in the year 2021-22. This is the increase in 25 % compared to previous year. **6,676 (55.5%)** were Male children and **5,216(45.5%)** were Female children. A total of 90 pediatric surgeries were performed in the year 2021-2022.



Vitro-Retina Service

In the year 2021-22, a total of **4,326** patients were treated in the vitreo-retina department. This is an increase of 38 % compared to the previous year. This year **307** patient underwent Vitro- retinal surgeries. **352** patients were given different types of LASER treatment. **331** patients were given AVASTIN injection for retinal disease.





Cornea Department

A total of **2,528** patients with corneal disease were treated. **381** cornea related surgeries were performed. **114** patients were given sight through corneal transplantation and **39** corneal tissue of **20** people were collected since the establishment of transplant service and cornea collection centre.

Surgery type	Number (N)
Pterygium excision	283
Corneal/conjunctival repair (major/minor)	47
Corneal transplant(TPK)	13
Total	343

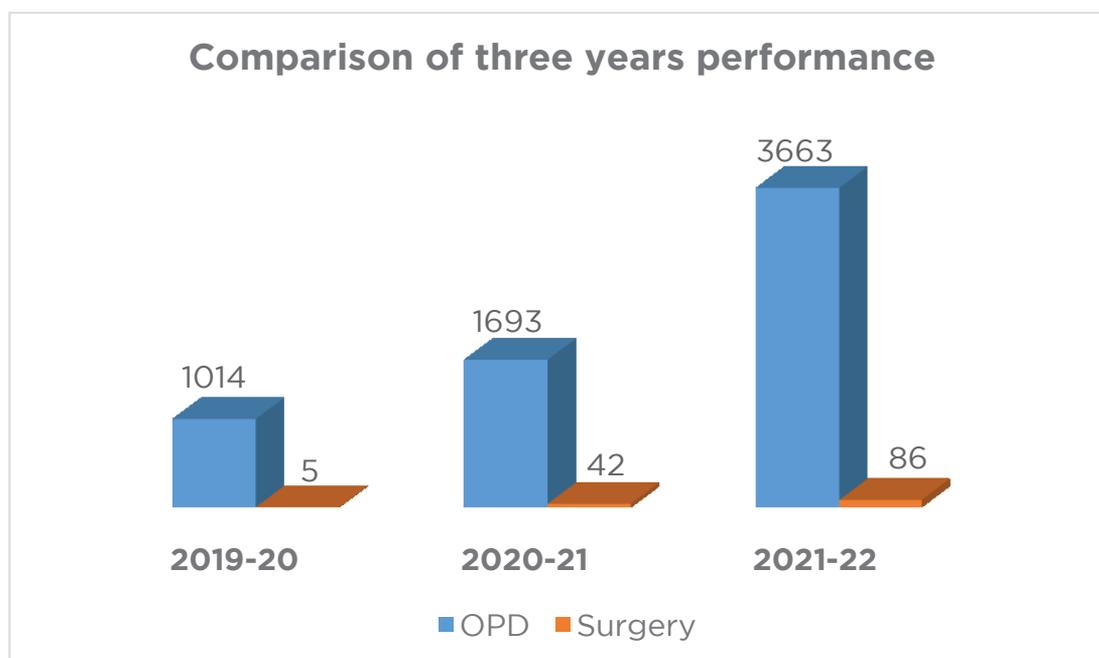
Oculoplastic Department

A total of **3,225** patients' visit was recorded in Oculoplastic department out of which 387 different oculoplastic related surgical procedure were performed.

Type of surgery	Total patients
Lid repair(Major+Minor)	31
Chalazion Excision	61
Lid mass/cyst removal	70
DCR/DCT	35
Entropion/ectropion correction	43
Ptosis correction	4
Squint Surgery	18
Evisceration	7

Glaucoma Department

- ❖ Total Glaucoma patient treated **3,663**
- ❖ **52% (1850)** patients were females
- ❖ **86** patients underwent glaucoma surgeries; out of which **36** patients underwent **Phaco-trab** and **50** underwent **Trabeculectomy**
- ❖ **YAG PI** was done in **137** patients



Low vision and contact lens department

BEH is providing low vision and contact lens service to the patients through this clinic. The low vision clinic has most of the devices needed for low vision service. It has all range of devices like optical, non-optical and electronic devices. Optometrist, Optometry students and ophthalmic science students have opportunity to get exposure in dealing with low vision and contact lens patients. A total of 34 patients visited low vision clinic and 7 of them benefited through the optical devices and the rest were done counselling and advised for non-optical devices and environment modification. Contact lenses were dispensed to 15 patients and majority of the contact lenses prescribed were soft lenses.



Tele-Ophthalmology

Bharatpur Eye Hospital started a telemedicine service with the aim to provide door-to-door appropriate eye care services to patients in communities. Each eye care center is connected to the base hospital. Ophthalmic assistants at ECCs do a regular tele consultation whenever they need a second opinion from Ophthalmologist at base hospital.

S.N.	Name of ECC	Total Number of Teleconsultaion
1	Parsa	582
2	Ratnanagar	90
3	Madi	386
4	Chanuli	114
5	Chormara	977
6	Hupsekot	490
7	Kurintar	1472
8	Salyantar	495
9	Benighat	26
10	Dudhali	73

Laboratory Service

Bharatpur Eye Hospital is providing its own laboratory service to patients since 2012. It is a quality controlled and well-equipped laboratory and it provides most of the routine lab investigations required for ophthalmic patients.

Ophthalmic Investigations

Bharatpur Eye Hospital is equipped with the latest technology ophthalmic equipment necessary for quality care of the patients. The following are the categories of various investigations done during this year.

OCT-Macula	2,667
OCT-Glaucoma	1,275
Fundus Photo	1,842
Disc Photo	5,29
OCT- Angiography	14

Visual Fields	1,724
USG-Scan	1,826
Pachymetry	2,036
Specular Microscopy	44
Videokeratoscopy	20

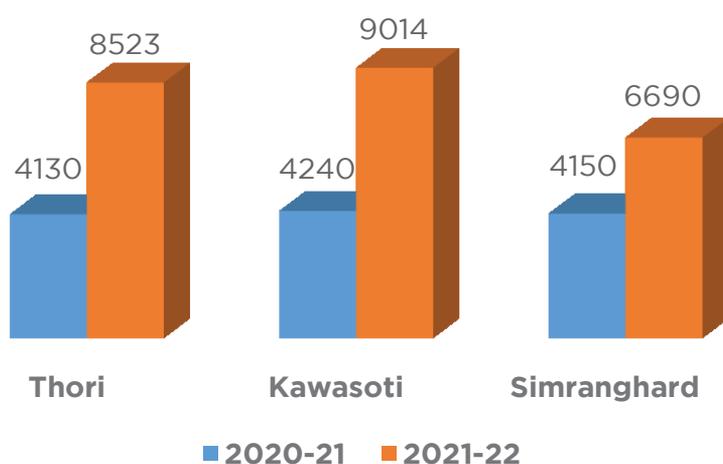
Performance of Bharatpur Eye Hospital Networks

Secondary Eye Hospitals

24,227 patients were served in OPD and **784** cataract surgeries were performed through the three secondary eye hospitals located at Kawasoti, Thori and Simrongard.

Secondary Hospital	Number of OPD patients	Glass acceptance	Cataract surgery performed
Kawasoti	9,014	3,048	222
Thori	8,523	1,331	448
Simrongard	6,690	1,482	114
Total	24,227	5,861	784

Performance of Secondary Eye Hospitals-OPD



Eye care centers (ECC)

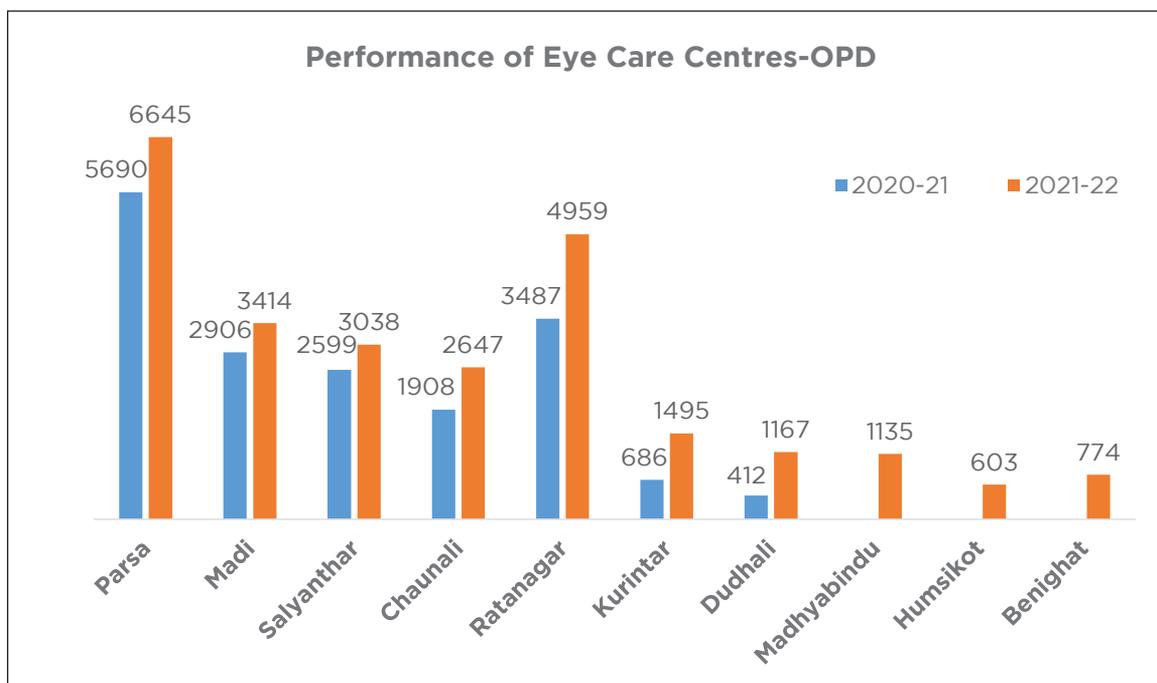
27,374 patients were served and **897** patients were referred to base hospital for cataract surgery through its 11 eye care centers.



Out of **8,390** patients advised for glasses **7,034** took the glasses. (84% glasses acceptance rate).

The number of OPD patients have increased in all eye care centers compared to previous year with highest number of patients seen in Parsa Eye Care Centre.

Eye care centers	OPD patients	Glass Acceptance	Referrals for cataract surgery
Parsa ECC	6,645	1,514	90
Madi ECC	3,414	733	187
Narshingdham, Salyantar	3,038	1,006	60
Chaunali ECC	2,647	733	98
Ratanagar ECC	4,956	948	36
Kurintar ECC	1,495	512	84
Duddhali ECC	1,167	267	117
Madhyabindu ECC	1,135	423	44
Humsikot ECC	603	162	51
Benighat ECC	774	316	40
Sauraha ECC	1,500	420	90
Total	27,374	7,034	897



Community Outreach Performance 2021-22

Major Achievements

- **86,738** screened
- **4,849** surgeries done
- **41,102** school children screened
- **1,360** eye glasses distribute to children
- **225** Diabetics patients screened for DR
- **306** FCHV trained
- **170** school teachers trained

Activities

Number of DST camps-
178

Number of surgical camps-
24

Number of school covered-
78

Number of DR camp-
4

Workplace camps-
1

Color vision test camp-
1



Community outreach program (Surgical Eye Camp)



Nepal Netra Jyoti Sangh
Hiralal Santu Devi Pradhan Institute of Ophthalmic Sciences
BHARATPUR EYE HOSPITAL
CHITWAN NEPAL



PREVIOUS YEAR PERFORMANCE & ANNUAL PLAN FOR 2022-023

Basic Indicators	Achieved 2020-021	Target 2021-022	Achieved 2021-022	Variance %	Target 2022-023
Number of OP at BEH_Chitwan	74007	120000	132521	110.43	150000
Number of OP at CBH_Chitwan	14590	30000	19108	63.69	30000
Number of OP at BEH_Thori	4130	10000	8523	85.23	10000
Number of OP at BEH_Kawasoti	4240	10000	9014	90.14	12000
Number of OP at BEH_Simrongard	4150	10000	6690	66.90	10000
Number of OP at BEH_ECC	17830	46500	26798	57.63	46500
Number of OP at Community Outreach Program	15262	70500	86738	123.03	82500
Number of SICS Surgery Performed at BEH_Chitwan	2146	1500	702	46.80	1500
Number of PEA Surgery Performed at BEH_Chitwan	1580	4000	3030	75.75	4000
Number of Corneal Surgery Performed at BEH_Chitwan	169	300	381	127.00	300
Number of Glaucoma Surgery Performed at BEH_Chitwan	42	75	84	112	120
Number of Retina Surgery Performed at BEH_Chitwan	138	300	161	53.67	300
Number of Oculoplastic Surgery Performed at BEH_Chitwan	158	300	387	129	400
Number of Pediatric Surgery Performed at BEH_Chitwan	68	150	90	60	100
Number of Other Surgery Performed at BEH_Chitwan	49	300	212	70.67	300
Number of Surgery Performed Through Outreach	1143	3880	4849	124.97	5500



Nepal Netra Jyoti Sangh
Hiralal Santu Devi Pradhan Institute of Ophthalmic Sciences
BHARATPUR EYE HOSPITAL CHITWAN NEPAL
COMMUNITY OUTREACH PROGRAM



PREVIOUS YEAR PERFORMANCE & ANNUAL PLAN FOR 2022-023

Basic Indicators	Achieved 2020-021	Target 2021-022	Achieved 2021-022	Variance %	Target 2022-023
Number of DST Camp	42	123	178	144.72	150
Number of OP at DST Camp	7575	24600	32633	132.65	22500
Number of Surgery Performance through DST Camp	458	1845	1371	74.31	2250
Number of Surgical Camp	5	15	24	160	20
Number of OP at Surgical Camp	4376	12900	12550	97.29	20000
Number of Surgery Performance through Surgical Camp	685	2035	3478	170.91	2000
Number of DR Screening Camp	8	12	4	33.33	12
Number of OP at DR Screening Camp	459	600	225	37.50	600
Number of Workplace Camp	1	2	1	50	2
Number of OP at Workplace Camp	240	1500	71	4.73	1500
Number of School Covered	4	130	78	60	150
Number of Students Screened	2612	30500	41102	134.76	37500
Number of Free Glass Distributed	70	915	1360	148.63	1500
Number of Color Vision Test Camp	0	2	1	50	2
Number of OP at Color Vision Test Camp	0	400	71	17.75	400
Number of FCHVs Trained	205	400	306	76.5	350
Number of School Teachers Trained	0	120	170	141.67	150
Number of Health Workers Trained	0	30	0	0	30



Heading towards a surgical eye camp and beneficiaries of the eye camp



Opening ceremony of Bhadrakali Kandel Eye Centre at Benighat Dhading



Basic Eye Health Education for Female Community Health Volunteers



Free distribution of eye glasses to school children after school screening



Basic Eye Health Education for Teachers



Trainings, Seminars And Workshops

Academic training programs

Bharatpur Eye Hospital as Hiralal Santudevi Pradhan Eye Institute is running academic and training programs with the affiliation from National Academy of Medical Sciences (NAMS) and CTEVT and produce different level of eye care human resources to meet the need of eye care service in the country.

- ❖ Fellowship in ophthalmology specialty(Retina Fellowship, SICS Fellowship)
- ❖ Residency program in Ophthalmology
- ❖ Bachelor in Optometry and vision science
- ❖ Proficiency Certificate level in Ophthalmic Sciences
- ❖ Internship in Optometry

Short term trainings conducted in 2021-22

Outreach Coordinator Training

Bharatpur Eye hospital successfully conducted a 3 weeks Outreach Program Coordinator's Training with financial support from SEVA foundation. It is the first training of such type being conducted in Nepal. There were 14 participants from different eye hospitals in Nepal, including the participants from Tilganga Institute of Ophthalmology. Training sessions were led by different experts working at different hospitals or organizations.



CME on Retinopathy of prematurity (ROP)

One day seminar with the theme “Retinopathy of Prematurity: A burning issue” was conducted on June 11 2022. Eye care professionals and Pediatricians around Chitwan took part in the CME.



Ophthalmic Assistant training on corneal care

A pilot training on Cornea clinical care for ophthalmic assistants was conducted on 6-7 June which was supported by SightLife.



Refraction training was successfully completed in 2 batches. Optometrists and Ophthalmic assistants from Bharatpur Eye Hospital networks and other Eye Hospitals participated in the training.



Training on RGP and scleral contact lens- One day workshop on RGP and Scleral contact lens fitting was completed with the active participation of optometry students and faculties.



Successfully conducted **Basic Life Support (BLS) training** for Health Care Providers.



Research And Publications

Research

Village Integrated Eye Workers Trial (VIEW) – This research project started in 2014 in collaboration with University of California San Francisco, Proctor Foundation, SEVA foundation and Bharatpur Eye Hospital. The aim of the study was to find the effectiveness of Female Community Volunteers (FCHVs) in preventing corneal blindness due to trauma. This was a three years study which ended in 2017 with the result that FCHVs intervention was effective in reducing corneal opacities due to ocular trauma in the rural communities than peri- urban or urban communities. Latter since September 2017 SightLife took this research as a corneal prevention program, where trained FCHVs are detecting and treating corneal abrasion due to trauma with prophylactic antibiotic ointment in their communities and appropriate referrals to eye care centers or eye hospitals.

Second Phase of the VIEW called VIEW II – Pilot was launched on 2018 to determine the most effective methods of community screening. This is the cluster randomized trial aims to determine whether community based screening program is more effective than cataract camp approach, in detecting more cases of glaucoma, DR and ARM and also to determine whether community health volunteer program increases the rate of cataract surgery compared to no program. The community based screening included fundus photography, auto refraction, IOP measurement of individuals 50 years and above.

After VIEW II Pilot a real VIEW II study started in 2019 and is undergoing in full phase. This is cluster randomized trial to identify if an intensive screening with OCT and linkage to care can reduce the number of blindness due to Glaucoma, DR and ARMD compared to no intervention area in individuals 60 years and above. The final census will be done to find the cause of blindness in the community.

Progress of VIEW II so far-

Categories	Coverage
Number of people enumerated	6,34,834
Number of People +60 yrs and above	78,550
Number of OCTs	18,405
Number of referral	4,499
Number of referral attended	3,238

Operational Research Capacity Building (ORCB)

This is a research project being conducted at Bharatpur Eye Hospital, collaborating with Indian Institute of Public Health (IIPH), Hyderabad, India and Seva. There are four Eye Hospitals 3 from Nepal and 1 from India involved in the project. BEH is currently working on the topic **“Improving the follow up**



rates of pediatric patients (0-16) years attending Bharatpur Eye Hospital a: Public Health Intervention Study”. We were able to publish the Protocol of the research in JMIR Research Protocols which is an international Journal.

Publications

1. **Shrestha M, Bhandari G, Rathi S.K, Pandey B, Ghimire R.** Improving the Follow – up Rate for Pediatric Patients (0-16 years) of an Eye Hospital in Nepal, Protocol for a Public Health Intervention Study. **JMIR Res Protoc.** 2021, Oct 8; 10(10).
2. **O’Brien K, Byanju R, Kandel RP.** Village Integrated eye workers for prevention of corneal ulcers in Nepal (VIEW Study): a cluster-randomized controlled trial. **THE LANCET Global Health,** 2022 Apr, 10(4).
3. **Ranjeet Kumar Sah, Raghunanadan Byanju, Sangita Sharma Bhandari, Anju Shrestha, Gopal Bhandari.** Clinical Characteristics of Patients with Glaucoma Presenting to Bharatpur Eye Hospital: An Observational Study. **Nepalese Journal of Ophthalmology,** June 2022 Vol 14 issue 1.
4. **Puspa Giri, Ranjeet Kumar Sah, Manisha Shrestha.** DIABETIC RETINOPATHY: KNOWLEDGE, ATTITUDE AND PRACTICE. **Journal of Chitwan Medical College Sep 2021; 11(37):45-52.**
5. **Subedi Kumidini, Shrestha Samita, Manahdhar Anu.** Bilateral Post Typhoid Retinitis: A case report and literature review. **Journal of National Medical College (JNMC); 2021,6(1)**

Special Events in 2021-22

1. On Falgun 2, 2078, the mayor of Bharatpur Metropolitan city Renu Dahal laid the foundation stone for the proposed three storeyed building for **GENERAL WARD, PEDIATRIC UNIT AND OPERATION THEATER BUILDING** of Bharatpur Eye Hospital. The building will be constructed in two phases, the first phase of construction is estimated to cost NRs 4 cores, 12 lakhs and 50 thousand. The final construction of the building is estimated to cost around 14 cores and 35 lakhs.



Proposed Layout of the Operation Theatre, General Ward Block and Pediatric Ward



2. Laying the foundation stone for the proposed **“JAGAT BAHADUR PANDEY MEMORIAL LIONS EYE CARE CENTRE”** was done by the Mayor of the Khairani Municipality on Falgun 5 2078. The proposed building will be constructed with an estimated cost of 1 core 25 lakhs which will have specialty service and will be developed as a PHACO Centre. This will be the branch of Bharatpur Eye Hospital and run with the assistance from **Lions Club of Chitwan East**. The land for the building was donated by the social workers **Jagat Bahadur Pandey, Sanu Kaji Pandey and Anmol Pandey**.



3. Farewell to Prof Dr. Raghunanadan Byanju who worked at Bharatpur Eye Hospital from 2070- 2078 as Chief Medical Director and Vitro- retinal surgeon and welcoming to Dr. Sangita Sharma Bhandari as Chief Medical Director of Bharatpur Eye Hospital.



4. Welcoming Mayor, Deputy Mayor and ward chairman of Municipalities and rural municipalities of Chitwan and Nawalpur on 20 June 2022.



5. All staffs of Bharatpur Eye Hospital Participated in two days, (22-23 April 2022) MOTIVATIONAL TRAINING being conducted with the theme of Leadership with Commitment by motivator speaker Mr. Sabadev Mahat.



Awards and Achievements

As a recognition for the eye health service provided to the community, Bharatpur Eye Hospital was awarded with the **ONE OF THE BEST EYE HOSPITALS AWARD UNDER NNJS** on the auspicious occasion of the **44th Nepal Netra Jyoti Sangh Diwas** held at Kathmandu on 27th March 2022.



Bharatpur Eye Hospital was certified as International Organization for **Standardization (ISO) 9001:2015 on Quality Management System** on Providing Eye care Service. ISO 9001:2015 certificate was handed to Bharatpur Eye Hospital at a Handover program organization at Bharatpur Garden Resort.



Dr. Puspa Giri Shrestha, Deputy Director, felicitated for doing record-break surgery at BEH

On 7th March 2022, Dr. Puspa Giri operated 135 cases of cataracts in a single day. It was the record in the history of BEH. Dr. Puspa was felicitated for this breathtaking achievement at 12th Annual General Assembly of Nepal Netra Jyoti Sangh, Chitwan Branch.



Outreach program coordinator and ophthalmic officer at Bharatpur Eye Hospital **Mr. Ramesh Ghimire** was awarded with the “**Netra Jyoti Samman Puruskar**” from Central NNJS on the occasion of 27th General Assembly of Nepal Netra Jyoti Sangh held on 26th Chaitra 2078.





The screenshot shows a mobile app interface for IAPB. At the top, there's a search bar and a menu icon. Below that, a section titled "More In this section" features a large article titled "Eye Health Hero: Sajani Kayastha". The article includes a "CHANGE MAKER" tag and a portrait of Sajani Kayastha. Below the portrait is a short biography: "Sajani Kayastha is from Tanahun, Nepal. In 2013, she completed her degree in Ophthalmic Science from Himalaya Eye Institute, Pokhara. Growing up, she saw her aunt and sister wear thick glasses and struggle to get an eye appointment at the hospital. This inspired her to get involved in the field of eye care so that she could help her family members and others who have to live with ocular problems."

Sajani Kayastha an Ophthalmic Assistant at Bharatpur Eye Hospital was nominated as **EYE HEALTH HERO 2021** by IAPB.

In recognition to the work done by the staffs at Bharatpur Eye Hospital, Nepal Netra Jyoti Sangh Chitwan Branch awarded the staffs of different levels on the auspicious occasion of its General Assembly.



Guests Visits

Monitoring and supervision on research activities from Nepal Health Research Council (NHRC)



Visit made by Prof Dr Peeyush Dahal, Dean of National Academy of Medical Sciences (NAMS)



Visit made by DAK foundation representatives as a part of monitoring and supervision of activities at BEH conducted with the DAK grants



Hospital visit made by NNJS Baglung Delegates





Welcoming delegates from the Proctor Foundation, University of California, San Francisco, USA

Visit made by Prof Dr. Chet Raj Pant, Chairman of Central NNJS



Visit made by Support N Care Rehabilitation Centre Delegates from Germany

Visit made by newly elected chairman of the Humpsekot rural municipality



Observational visit to
Bharatpur Eye Hospital made by
Chief District Officer (CDO)



Chief Medical Director Dr. Sangita
Pradhan and Deputy Director
Dr. Puspa Giri made visit to Lumbini
Eye Institute (LEI), Bhairawa



Visit made by the delegates from Kumari Trust, and donating
surgical instruments to Bharatpur Eye Hospital





CELEBRATIONS AND OTHER ACTIVITIES/EVENTS

36th NNJS Chitwan Branch Day and 35th Bharatpur Eye Hospital Day

As a celebration of 36th NNJS Chitwan Branch Day and 35th Hospital Day, various activities were performed like sports week, Parbhat Pheri, Free eye checkup jallors, fruit distribution to patients awareness campaigns and exhibitions were organized.



Celebration of the
1st Anniversary of the Secondary
Eye Hospital in Kawasoti-
fruit distribution to patients



On the auspicious occasion of
the establishment day of Thori
Secondary eye hospital, facilitation
was done to staffs and stakeholders
who provided major contribution.



BEH management felicitating Dr. Sunu Dulal and Dr. Puspa Giri for
being appointed as Professor and Assistant Professor respectively by
National Academy of Medical Sciences (NAMS)





Dustbin for the waste management supported by Bharatpur Metropolitan city to Bharatpur Eye Hospital



Welcoming Dr. Sunu Dulal at Bharatpur Eye Hospital



Dissemination of Annual report 2020-21



Dai Chura program on the occasion of Ashad Pandra



Handover of the SEVA support of worth NRs 6 million for the Newly constructed Pediatric OPD, ward and OT building



Handover of Financial support for the funds to support poor and needy patients in the name of Lion Krishna Kumar Shrestha on the occasion of the 40th Narayangharh Lions club establishment day.



Handover program for the generator from Mayor of Bharatpur Metropolitan, Renu Dahal



Wheel chair donation by Devendra Shrestha of Bharatpur-1, who was impressed by the service at BEH (He did his cataract surgery at BEH) on behalf of Aviyan Saving and Credit Limited



Awareness Programs and Campaigns

1. Glaucoma awareness program was organized at Bharatpur Eye Hospital lead by Glaucoma department to create awareness among patients and public regarding the early diagnosis and timely treatment of Glaucoma.



2. Eye donation awareness campaign - In order to create awareness to the public regarding eye donation and its importance, eye donation campaigns were organized in different places with the active participation of local people and stakeholders.



Participations in Training/ Workshops / Meetings



Mid-term Review meeting was organized by BEH on Jan 15 2022 to present the progress report of all BEH networks and planning and setting targets for the next year.



Gopal Bhandari and Binod Pandey successfully completed 10 days (6-18 June 2022) training on **Data Analysis using STATA** conducted at Indian Institute of Public Health, Hyderabad, India



Management Priorities in Eye Care Delivery, LAICO, Aravind Eye Care System_22-28 May, 2022



Attending IAPB meeting in Dubai



ACKNOWLEDGEMENT





Bharatpur Eye Hospital Family



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दान गर्ने
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ज्ञानी ।



नेपाल नेत्रज्योति संघ

हिरालाल सन्तुदेवी प्रधान नेत्र विज्ञान अध्ययन संस्थान

आँखाको नानी संकलन केन्द्र
Cornea Collection Center

भीमराज उषामाया पाठक आँखा बैंक
Bhimraj Ushamaya Pathak Eye Bank

भरतपुर आँखा अस्पताल

बाईपास रोड, भरतपुर-१०, चितवन

फोन: ०५६-५९३६३३, ५९३९३३, मो. ९८५५०७६७३३ | ईमेल: behchitwan@beh.org.np