

ANNUAL REPORT 2022

MECHI EYE HOSPITAL (SANGH)
MECHI EYE CARE PROGRAM
MECHI EYE HOSPITAL

In co-operation with:
Social Welfare Council

Supported by:
Eye Care Foundation, the Netherlands
Mechi Eye Hospital (Sangh), Jhapa





Message from the Chairman



Mechi Eye Hospital has achieved several milestones over its 26 years of operations. It indeed had a humble start as is the case with most of the projects in the area outside the national capital. Nevertheless, the journey over these three decades outshines a lot of comparable initiatives. I am so glad to have observed the growth of this institution as an example in the health fraternity of the country, and also so proud that I have been fortunate enough to lead this organization for quite some time. Not everybody can even envisage the progress of an institution in a way Mechi Eye Hospital has been able to undergo. We are luckier in the sense that such a well-run and reputed hospital is in our region.

The credentials of this hospital could hardly be any issue as it has been benefitting people across the border with the flow of patients that hail from West Bengal, the entire North East states of India and even Bhutan. And, you all know, this is a hospital from Jhapa, the eastern end of Nepal.

Mechi Eye Hospital nurtures its core principle of equity and equality in the delivery of services. All the patients have to undergo the same process to receive the services of the hospital. We are focused on the underprivileged, and we ensure they can get a maximum of free treatment. Apart from delivering quality eye care services, we are also advancing in the production of trained skilled manpower in Optometric Science in order that skillful medical personnel for eye care service does not happen to be a shortfall in any way.

On the occasion of its 26th Anniversary, I would like to acknowledge all the valued leaders and executive members of the hospital who, from the commencement of the services till today, have served their valuable efforts towards the advancement of this hospital. I would like to thank Eye Care Foundation, the Netherlands aplenty for its enormous support to the hospital as the key principal donor. I would like to recall all the efforts of the medical director and the entire team of the hospital who, with their sincere efforts, have been able to restore the sight of millions of people and let them see the beauty of the world with their physical eyes.

We have been advancing to achieve the goals our seniors had set forth while starting this campaign of “better eyesight, better life”. We always remain adhered to and promise to make it stronger with the collaboration and co-operation with the stakeholders.

Thank you.

Jal Kumar Gurung
Chairman
Mechi Eye Hospital (Sangh)

Message from Eye Care Foundation



On behalf of the Board of Eye Care Foundation (ECF), it is an honor to write this message for the 2022 Annual Report of Mechi Eye Hospital signifying 26th anniversary of the hospital.

Having supported the hospital since long, we feel very proud to witness the achievement of the Mechi Eye Hospital. Today the hospital stands as a center of excellence thereby extending its services to reach the unreached population. The joint efforts of Eye Care Foundation and Mechi Eye Hospital have greatly contributed to our shared goals and the structural improvement of eye care services within the working area of the hospital.

With the support of ECF, the Mechi Eye Care Program has already been able to treat 2,30,049 patients and 35,192 eye surgeries so far. We are pleased to inform you that, in year 2024 ECF will complete our 40th years and we are committed to continue our support to MEH in coming years especially for out-reach activities.

Once again, congratulations on successfully achieving the 26th milestone. ECF as a founder of this hospital takes it as a matter of pride and very much looks forward to continue our support to develop MEH as academic institute, expand and strengthen the community services.

ii

Congratulations

A handwritten signature in black ink, appearing to read 'A.M. Van Praag'.

Arthur Matthijs Van Praag
Chairman of the Board
Eye Care Foundation
The Netherlands

Message from the Medical Director



I am very proud to present our achievement in 2022 through our annual report to our stakeholders, team members, individual readers and the community at large. I am very much pleased to share a landmark in our annual surgical performance that has surpassed all our previous records by reaching all time high volume. It is also noteworthy to mention that a major chunk of reserve surplus is utilized for the development of infrastructure; mainly in building & technology.

On the occasion of our 26th anniversary, we have introduced some additional provisions & revised the existing ones in our reward system to enhance its effectiveness in addressing long-term staff retention.

At present context, we should never forget to count on our collective team effort in managing external challenges like inadequacy of efficient & experienced high volume surgeons, rising costs of medical consumables, ever-growing service demand, high patient expectation etc.

Despite several constraints, we have eventually succeeded in establishing eye care service in Damak in a newly furnished building with more facilities. We are highly obliged with the mayor of Damak municipality and chairman of Damak Municipality ward no. 6 for their effective coordination and vital support. In the context of community involvement, our partnership with local municipalities & NGOs has supported us to promote equitable, affordable, accessible, inclusive and quality eye care services to the community thereby enhancing our contribution towards the fulfillment of sustainable development goals.

At this juncture, I am very much optimistic and hopeful that our collaborative effort & appropriate partnership with other institute in diversifying ophthalmic services especially in orthoptics, cornea & refractive surgery will soon be realized in near future. Apart from that, we are equally focused in conducting more research activities & publication, continuously supporting ongoing surgical training and implementing the training program of MD Ophthalmology, B. Optometry & fellowships.

Further, I would like to thank Chairman & all distinguished members of Mechi Eye Hospital (Sangh), Eye Care Foundation, the Netherlands, Nepal Netra Jyoti Sangh, Social Welfare Council, Ministry of Health & Population and our collaborating partners at local, national & international level for their tremendous support in our quest to reduce avoidable blindness in this region.

Lastly, I would express my sincere thanks to all my team members for their unwavering support in catering ever growing demand for community based eye care services with limited resources at our disposal. Hopefully, our inspiration, commitment, integrity & passion towards our profession will tremendously helpful in realizing our goals for the service of humanity with charitable purpose.

A handwritten signature in black ink, reading "Purushottam Joshi".

Dr. Purushottam Joshi, MD
Medical Director



Contents

1. Introduction	»»	1
2. Hospital Services	»»	4
3. Human Resource Development	»»	14
4. Workshop/Seminar/Conference	»»	16
5. Outreach Activities	»»	19
6. Satellite Clinic Services	»»	21
7. Diagnostic & LASER Services	»»	22
8. Eye Health Education	»»	23
9. Events	»»	24
10. Construction & Equipment	»»	31
11. Subsidy	»»	33
12. Glimpses of MEH Activities	»»	34

1. Introduction

Mechi Eye Hospital has been successfully promoting comprehensive community eye care services incorporating its basic principles of charity, equity, accessibility, affordability & quality in its 26 years of existence in this region. At this moment, it is very much relevant to mention that we have retained our sustainability under the guidance of Mechi Eye Hospital (Sangh) despite the adversity & uncertainty caused by the pandemic.

It was also visible in our overall annual output that our post pandemic performance had surged significantly as our surgical performance reached to its all time high to 35,192 cases with a noticeable increment of 83.28% whereas patient-flow in OPD increased by 63.74% to 2,30,049 cases.



In case of hospital performance, out-patient volume reached to 1,80,204 whereas surgical volume was also increased to 34,058 – an all time high number of surgeries from direct hospital admission on OPD basis. Similarly, in-patient service was utilized by 14,742 patients which is an increment of 42.34% compared to last year.

The increment was also significant in hospital OPD which increased by 68.85% whereas outpatient flow in eye care centers has witnessed a modest growth of 24.56%.

Patients benefitting from OPD in screening camps were increased significantly by 469.89% as we organized 18 camps in 2022 thereby examining 5,129 patients and performed free eye operation on 207 patients at the base hospital i.e. 72.50% growth in screening camp surgery.

Similarly, we treated 6,171 patients from six surgical eye camps and performed surgery in 818 patients.



Surgical eye camp output raised by 220.40% in OPD & 109.74% in surgery. Further, 38,545 patients examined their eyes in eight eye care centers and 109 patients underwent eye surgery at Bhadrapur Eye Care Centre which was an increment of 36.25% in surgical output.

In 2022, we celebrated our 25th as well as 26th Anniversary and certificates were awarded to our partners-hospital staff as well as government & non-government organizations. Some of the most important construction works were completed; be it either parking shade with pavers or drainage canal.



Another important aspect that needs our attention is to enhance our technical capabilities by acquiring state of the art equipment and we did it accordingly with the investment of NRs. 45.36 million on new equipments.

In case of our performance in other regular activities like sub-specialty services, training of different category of human resources (ophthalmologist, optometrist, ophthalmic assistant etc.) & eye health education training is also satisfactory with the support from local partners.

MECP Performance Summary

S. N.	Description	2021	2022	Diff	In %
OPD					
1	Hospital	106,722	180,204	73,482	68.85
2	Scr. Camp	900	5,129	4,229	469.89
3	Surg Camp	1,926	6,171	4,245	220.40
4	PECC	30,946	38,545	7,599	24.56
Surgery					
1	Hospital	18,611	34,058	15,447	83.00
2	Scr. Camp	120	207	87	72.50
3	Surg Camp	390	818	428	109.74
4	PECC	80	109	29	36.25
A	Total-OPD	140,494	230,049	89,555	63.74
B	Total-Surgery	19,201	35,192	15,991	83.28

In 2022, our partnership with municipality & rural municipalities in Jhapa enabled us to train 113 female community health volunteers, 65 school teachers and 66 health personnel in primary eye care and common ocular conditions. Further, 6,473 children were screened in their schools whereas free spectacles were distributed to 173 children with refractive error.

In case of gender equity in accessibility to the existing eye care services, only 45.85% female patients utilized our services compared to 54.15% male patients in 2022.

The age-wise distribution data also indicates that majority of patients visiting OPD were under the productive age group of 17-60 years i.e. 67.08% whereas only 9.17% falls under pediatric age group of 0-16 years. Similarly, 19.82% patients fall under old age of 61-75 years whereas only 3.94% patients were respected senior citizens above 75 years age.

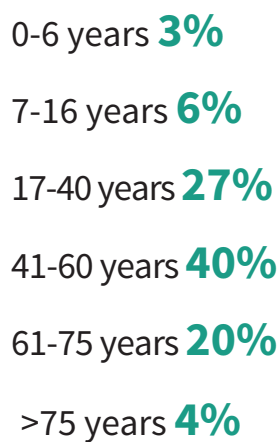
Out of 2,30,049 outpatients examined, hospital contribution was 78.33% whereas outreach contribution was 21.67% i.e. screening camp-2.23%, surgical eye camp-2.68% and primary eye care centre-16.76% (See chart). Similarly, out of 35192 surgeries performed, 96.78% was based on direct hospital visit where as outreach program made a contribution of 3.22% .



Gender-wise Distribution 2022



Age-wise Distribution 2022



Hospital-78%

PECC-17%

Screening Camp-3%

Surgical Camp-2%



Hospital - 97%

Screening Camp-1%

Surgical Camp-2%

PECC - 0

2. Hospital Services

A staggering growth was witnessed in service uptake by patients both in OPD & surgery by 68.85% and 83.00% respectively in comparison to last year.

Moreover, all major surgical procedures followed similar growth trend by a minimum of 25.71% in glaucoma except squint surgery which was decreased by 14.25%. The highest growth rate was seen in orbit & oculoplasty by 119.44% followed by cornea & retina by 93.42% & 75.28% respectively whereas cataract surgery was also increased by 85.43%.

In addition to this, we examined 16,552 children in OPD and provided 1,865 spectacles besides performing surgery on 1,192 children as well.



(a) Out-patient

The number of outpatients reached to 1,80,204 during this year with an astounding increment of 68.85% in comparison to last year. Similarly, the table showed exponential growth in Emergency OPD by 142.74% whereas Paying & Review OPD were also increased sufficiently by 84.58% & 78.03% respectively but General OPD witnessed a modest growth rate of 22.32% only.

Hospital OPD

S. N.	Description	2021	2022	Diff.	In %
1	General	24,381	29,824	5,443	22.32
2	Paying	55,489	102,420	46,931	84.58
3	Emergency	241	585	344	142.74
4	Review	26,611	47,375	20,764	78.03
	Total	106,722	180,204	73,482	68.85



(b) Operation Theatre

Our surgical output surged to an all time high to 34,058 surgeries in 2022 from direct hospital admission with an excellent growth of 83.00%. The major contributor was cataract surgery which was increased by 85.43% to a total number of 22,270 surgeries. The table indicated increasing trend in all major surgeries; the highest in oculoplasty by 119.44% and the lowest in glaucoma by 25.71%. However, we can witness a decrease in squint & other surgery by 14.25%



Major Surgery

S. N.	Description	2021	2022	Diff.	In %
1	Cataract	12,010	22,270	10,260	85.43
2	Glaucoma	35	44	9	25.71
3	Cornea	1,399	2,706	1,307	93.42
4	Retina	2,957	5,183	2,226	75.28
5	Squint & Others	744	638	-106	-14.25
6	Orbit & Oculoplasty	1,466	3,217	1,751	119.44
	Total	18,611	34,058	15,447	83.00



(c) In-patient

Our nursing team offered patient care including eye health education and post-operative medication to 14,742 patients admitted into different wards. The highest number of occupancy was seen in general ward by 6,177 patients whereas paying ward and single cabin were occupied by 5,718 and 2,847 patients respectively. However, septic ward remained vacant without any admission.

Hospital bed occupancy was increased the highest in general bed by 52.22% and the lowest increment was found in single cabin by 32.91% compared to last year.

Ward Admission Detail

S. N.	Description	2021	2022	Diff	In %
1	General Bed	4,058	6,177	2,119	52.22
2	Paying Bed	4,155	5,718	1,563	37.62
3	Septic Bed	2	0	-2	-100.00
4	Cabin-Single	2,142	2,847	705	32.91



(d) Sub-Specialty Services

I. Pediatric

The total number of children screened in pediatric department was 16,552 out of which 9,797 were male & 6,725 were female i.e. 59.30% & 40.70% respectively. The pediatric OPD has increased significantly by 50.54% in 2022.

Pediatric OPD, Spectacles & Surgery

Type of Service	2021	2022	Diff	In %
OPD	10,995	16,552	5,557	50.54
Spectacles Provided	606	2,900*	2,294	378.55
Surgery				
Cataract	312	467	155	49.68
Squint	18	16	-2	-11.11
Pterygium	2	12	10	500.00
DCT/DCR	13	46	33	253.85
Glaucoma	9	14	5	55.56
Corneal Repair	46	99	53	115.22
Ptosis/Lid Surgery	14	16	2	14.29
Vitreous/Retina	116	152	36	31.03
LASER	5	0	-5	-100.00
Others	269	370	101	37.55
Total	804	1,192	388	48.26

* Including School Screening camps.

Similarly, pediatric surgery was also increased remarkably by 48.26% in 2022; a total number of 1,192 surgeries were performed in children and most of them were cataract (467) followed by vitreo-retina (152) and other procedures (370). However, higher growth rates were evident in pterygium by 500.00%, DCT/DCR by 253.85% & corneal repair by 115.22%.

The gender ratio in pediatric surgery was found to be 69.04% male compared to 30.96% female. Similarly, 677 (56.80%) surgeries were done under general anesthesia and 515 surgeries (43.20%) were done under local anesthesia. Further, spectacles were provided to only 1,865 children i.e. 11.27% of the total pediatric OPD.



II. Glaucoma

We performed trabeculectomy surgery in 43 patients and combined glaucoma surgery was performed in 137 patients all of them were combined with cataract surgery (Combined SICS-57 and Combined Phaco-80).

Glaucoma Surgery

S. N.	Description	2021	2022	Diff	In %
1	TRAB	33	43	10	30.30
2	YAG PI	0	1	1	
3	Cyclocryo	2	0	-2	
	Sub-total	35	44	9	25.71



III. Retina

In retina surgical procedures, we observed that the highest number of surgery performed was pars-plana vitrectomy in 711 patients followed by silicon oil procedures in 342 patients whereas intracameral injection was administered in 3,629 cases. Similarly, combined PPV surgeries were performed in 260 patients and autologus PRP was done in 91 cases. The overall growth in retina surgery was increased significantly to 75.28% in 2022.

Major Retina Procedures

S. N.	Description	2021	2022	Diff	In %
1	RD Surgery	46	2	-44	-95.65
2	Band & Buckle+Others	38	36	-2	-5.26
3	Core Vitrectomy	22	37	15	68.18
4	PPV	439	711	272	61.96
5	PPV+SOR/Lensectomy/Others	89	157	68	76.40
6	Silicon Oil Procdures	142	342	200	140.85
7	Intracameral Injection	2,007	3,629	1,622	80.82
8	Autologus PRP	104	91	-13	-12.50
9	Anterior Vitrectomy	0	52	52	
10	Other VR Procedures	10	23	13	130.00
11	PPV+Intracameral Injection	60	103	43	71.67
	Sub-total	2,957	5,183	2,226	75.28



IV. Cornea

In cornea surgery, Pterygium surgery was doubled within one-year interval i.e. from 1,222 in 2021 to 2,444 in 2022. Repair procedure was done in 139 patients. Despite the inadequate supply of donor cornea in comparison to its demand, we were able to transplant donor cornea altogether in 63 patients (TPK-43 cases & OPK-20 cases) & the annual increment in both the procedures (TPK & OPK) were 230.77% & 300.00% respectively.

A total number of 2,706 surgeries were done under corneal major procedures and the overall growth was reached to 93.42% in 2022.

Major Cornea Procedures

S. N.	Description	2021	2022	Diff	In %
1	Pterygium	1,222	2,444	1,222	100.00
2	Corneal Repair	111	139	28	25.23
3	Corneal FB/Suture Removal	44	55	11	25.00
4	TPK	13	43	30	230.77
5	OPK	5	20	15	300.00
6	PKP	1	0	-1	
7	Corneal Scraping	3	5	2	66.67
	Sub-total	1,399	2,706	1,307	93.42



V. Orbit & Oculoplasty

In orbit & oculoplasty surgery, the highest numbers of surgeries performed were DCR & DCT surgeries in 862 & 575 patients respectively followed by minor surgery performed in 472 cases and mass excision procedure carried out in 243 cases. Further, tarsoraphy surgery was performed in 340 patients whereas chalazion procedure was done in 145 cases. Altogether, 3,217 patients benefited from orbit & oculoplasty surgeries and the overall growth reached to 119.44% in 2022.

Major Orbit & Oculoplasty Procedures

S. N.	Description	2021	2022	Diff	In %
1	Entropion/Ectropion	109	145	36	33.03
2	Enucleation/Evisceration	102	149	47	46.08
3	Tarsoraphy	186	340	154	82.80
4	I & C/ I & D	93	43	-50	-53.76
5	OGL Repair	76	90	14	18.42
6	DCT	260	575	315	121.15
7	DCR	336	862	526	156.55
8	Botox Inj.	14	3	-11	-78.57
9	Pupilloplasty	28	32	4	14.29
10	Canthotomy	6	5	-1	-16.67
11	Ptosis Correction	35	56	21	60.00
12	Chalazion	42	145	103	245.24
13	Minor Surgery	37	472	435	1,175.68
14	Other Major Procedures	11	57	46	418.18
15	Skin Graft/Mass Excision	131	243	112	85.50
	Sub-total	1,466	3,217	1,751	119.44

VI. Strabismus & Extra-Ocular Surgery

In this sub-specialty service, squint surgery was increased more than 100% from 55 cases in 2021 to 116 cases in 2022. Similarly, number of patient undergone AC wash procedure was also increased by 101.45%, i.e. 417 cases in 2022. However, overall surgery was decreased by 14.25% in this sub-specialty service in 2022.

Major Extra-ocular Procedures

S. N.	Description	2021	2022	Diff	In %
1	Squint-Functional	55	116	61	110.91
2	EUA	26	42	16	61.54
3	AC Wash	207	417	210	101.45
4	Other Intra-ocular	258		-258	-100.00
5	Other Extra-ocular	149		-149	-100.00
6	Suture Removal	49	48	-1	-2.04
7	Bandage Contact Lens+Glue		15	15	
	Sub-total	744	638	-106	-14.25

(e) Optical Dispensing and Pharmacy

A total number of 60,306 patients obtained spectacles from optical dispensing unit out of which 2,900 were pediatric patients and pharmacy had dispensed medicines to 2,63,988 patients including repeat visits.



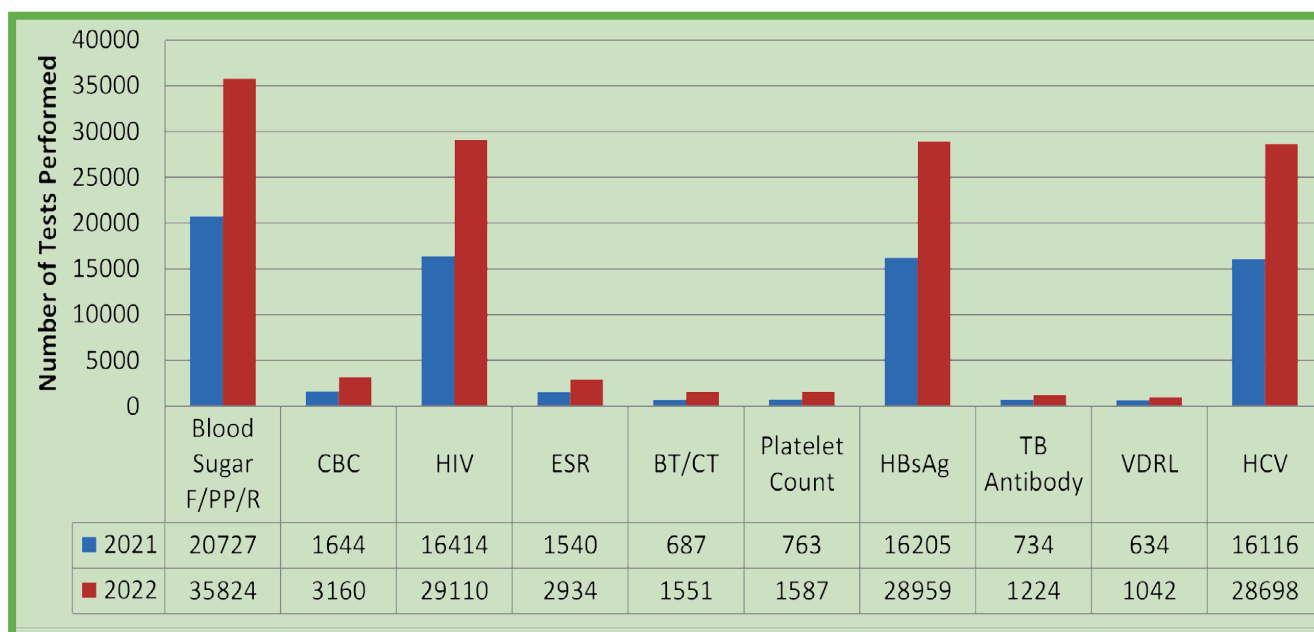
(f) Other Services

Laboratory Service: We have been providing the following services on regular basis:

-A total number of 33,376 patients obtained different laboratory test services in 2022. Some of the major tests conducted in patients were blood sugar, HIV, HBsAg & HCV in 35,824, 29,110, 28,959 & 28,698 cases respectively.



Comparative Lab Performance 2022



Optometry Service: GAT and Orthoptic tests were performed in 15,099 & 3,947 patients respectively in 2022. Similarly, Ptosis & contact lens evaluation were carried out in 411 & 405 patients respectively whereas color vision and diplopia tests were performed in 769 & 407 patients respectively. Further, Low Vision evaluation was carried out in 108 cases.

Major optometry procedures

S. N.	Description	2021	2022	Diff.	In %
1	Orthoptic Evaluation	2,619	3,947	1,328	50.71
2	Low Vision Evaluation	45	108	63	140.00
3	Contact Lens Evaluation	146	405	259	177.40
4	GAT	5,557	15,099	9,542	171.71
5	Contrast Sensitivity	129	297	168	130.23
6	Repeat Refraction	899	1,853	954	106.12
7	Color Vision Test	435	769	334	76.78
8	Hartel's Test	128	271	143	111.72
9	Amsler's Grid Test	29	36	7	24.14
10	Ptosis	205	411	206	100.49
11	Diplopia Chart	204	407	203	99.51





Counseling Service: Counselors informed and educated 29,568 patients for various ophthalmic services which was a decent increment of 96.49% compared to last year.

The highest number of patients counseled was 20,172 for cataract surgery followed by retina surgery to 4,037 patients, oculoplasty surgery to 2,497 patients and cornea surgery to 2,254 patients. Similarly, patients counseled for combined surgery, squint & glaucoma surgeries were 470, 102 & 36 cases respectively.

Major counseling procedures

S. N.	Description	2021	2022	Diff.	In %
1	Cataract	10,626	20,172	9,546	89.84
2	Glaucoma	33	36	3	9.09
3	Cornea	1,241	2,254	1,013	81.63
4	Retina	1,263	4,037	2,774	219.64
5	Squint	56	102	46	82.14
6	Oculoplasty	1,708	2,497	789	46.19
7	Combined Surgery	121	470	349	288.43
	Sub-total	15,048	29,568	14,520	96.49



3. Human Resource Development

Training

- **Oculoplasty:** Dr. Satish Timilsina & Dr. Aditya Prasad were enrolled to undergo one-year training in oculoplasty commencing from 14th April & 17th September, 2022 respectively.
- **Vitreo-Retina:** Dr. Bipin Bista & Dr. Sadhana Sharma were selected to undergo eighteen months vitreo-retina training fellowship commencing from 14th April, 2022 in partnership with BPKLOS (TUTH-IOM), Kathmandu.
- **Medical Retina:** Dr. Santosh Kumar Sah joined medical retina training (6 months) from 14th April, 2022.
- **Anterior Segment:** Four ophthalmologists were selected to pursue two-year surgical training in anterior segment in 2022. (Dr. Shreeji Shrestha & Dr. Pramiti Joshi from 15th March, 2022, Dr. Saman Shrestha from 15th May, 2022 and Dr. Ankit Bista from 16th December, 2022).
- Short-term surgical training covering a period of 6-8 weeks was also provided to three PGDO trainees nominated by Timor-Leste Program under the support from Royal Australian College of Surgeons, East Timor. (Dr. Jessica Rosa Graziano - 06 March to 08 April, 2022, Dr. Arifin Antonir Dos Santo & Dr. Januario M. Gusmao – 01 September to 03 November, 2022).



Further, Dr. Leesha Shrestha Joshi deputed from Nepal Eye Hospital, Kathmandu obtained surgical training on phaco-emulsification technique for six weeks from 17th April, 2022.



MD Resident Training

In 2022, our hospital provided hands on surgical exposure to thirteen MD in Ophthalmology residents posted from B. P. Koirala Lions Center for Ophthalmic Studies (IOM-TUTH), Kathmandu & B. P. Koirala Institute of Health Sciences, Dharan in a high volume set-up. (8 residents - BPKLCOS & 5 residents - BPKIHS).

Internship

In 2022, eleven optometry final year students were enrolled to undergo one-year internship training to fulfill their B. Optometry curriculum requirement commencing from 17th August, 2022.



Altogether, forty-two ophthalmic science students (3rd year) attended a 1.5-2 months on-the-job training from 14th August, 2022 onwards.

- Himalaya Eye Hospital-30 students from 14th August 2022
- Nepal Eye Hospital-4 students from 29th November, 2022
- Tilganga Institute of Ophthalmology-8 students from 11th September, 2022

Students pursuing certificate courses in nursing & general medicine visited our hospital to obtain exposure of eye hospital for two weeks as per the curriculum requirement.

- Lifeline Hospital Institute of Health Science, Damak - 29 students (3rd year general medicine faculty) from 09th January, 2022
- Kanchanjungha Institute of Health Science, Birtamod - 37 students (2nd year nursing faculty) from 24th July, 2022
- AMDA Institute of Health Science, Damak - 29 students (3rd year general medicine faculty) from 18th December, 2022

Further, three months on-the job training was provided to 9 ophthalmic assistant trainees from different technical institute affiliated to CTEVT from 01st May, 2022 and 1 ophthalmic assistant trainee from New Shree Shantini Paramedical College of Nursing & Science, Bangalore, India obtained six months training from 24th August, 2022.



4. Workshop/Seminar/Conference

- Dr. Purushottam Joshi (Medical Director), Dr. Isha Bista (Cornea Consultant), Ms. Namrata Acharya (Counselor) & Mr. Pushpa Adhikari (Ophthalmic Assistant) participated in Refresher Training in Eye Banking and Nepal Eye Bank Advisory Committee Annual Meeting organized by Tilganga Institute of Ophthalmology from 07-08 January, 2022.
- Mr. Amit Kumar Singh (Optometrist) joined a workshop on fitting and assessment of sclera lenses organized by Purecon Lenses Pvt. Ltd. in New Delhi, India from 23-30 March, 2022.
- Dr. Purushottam Joshi (Medical Director) supported as a trainer in community children eye program workshop organized by Itahari Global Eye Hospital in Itahari on 2nd April, 2022.
- Dr. Isha Bista (Cornea Consultant) participated in Cornea conference organized by Tilganga Institute of Ophthalmology in Kathmandu on 05 June, 2022.
- Dr. Ashish Raj Panta (Oculoplasty Consultant) attended a CME on Oculoplasty organized in Kathmandu on 3rd September, 2022.
- Dr. Purushottam Joshi (Medical Director) attended World Ophthalmology Congress 2022 virtual from 09-12 September, 2022 and presented a paper on “Psychological reactions among the staff of a tertiary eye hospital in Eastern Nepal during COVID-19 pandemic”.
- Dr. Purushottam Joshi (Medical Director), Dr. Isha Bista (Cornea Consultant), Dr. Bipin Bista (Ophthalmologist) & Dr. Saman Shrestha (Ophthalmologist) participated in 24th NOSCON Annual Conference Nepal 2022 organized by Nepal Ophthalmic Society in Bharatpur, Chitawan from 14-15 October, 2022.
- Dr. Ashish Raj Pant (Oculoplasty Consultant), Mr. Prashant Shrestha (Program Officer) & Mr. Yuba Raj Bohora (Eye Health Education Officer) participated in refresher training on research methodology and ethics in research organized by Nepal Netra Jyoti Sangh in Kathmandu from 19-20 October, 2022.
- Dr. Purushottam Joshi (Medical Director), Dr. Prabha Subedi (Deputy Medical Director), Dr. Ashish Raj Pant (Oculoplasty Consultant), Dr. Isha Bista (Cornea Consultant), Dr. Bipisha Shrestha (Retina Consultant) Dr. Khusboo Thakur (Ophthalmologist), Dr. Shreeji Shrestha (Ophthalmologist), Dr. Aditya Prasad (Ophthalmologist), and Dr. Satish Timilsena (Ophthalmologist) were present in the 4th National Conference on Oculoplasty and Ocular Oncology organized by NESOSCON from 21-22 October, 2022 in Kathmandu.
- A Team of Optometrists (Mr. Amit K. Singh, Ms. Nandi Limbu, Ms. Nikita Niraula, Ms. Kaushalya Dahal, Mr. Ajay K. Ray, Ms. Priyanka Yadav) along with Mr. Santosh Kumar Labh Karna (OPD In-charge), Mr. Hom Prasad Dhital (Ophthalmic Assistant) and Mr. Prashant Shrestha (Program Officer) participated in a CME



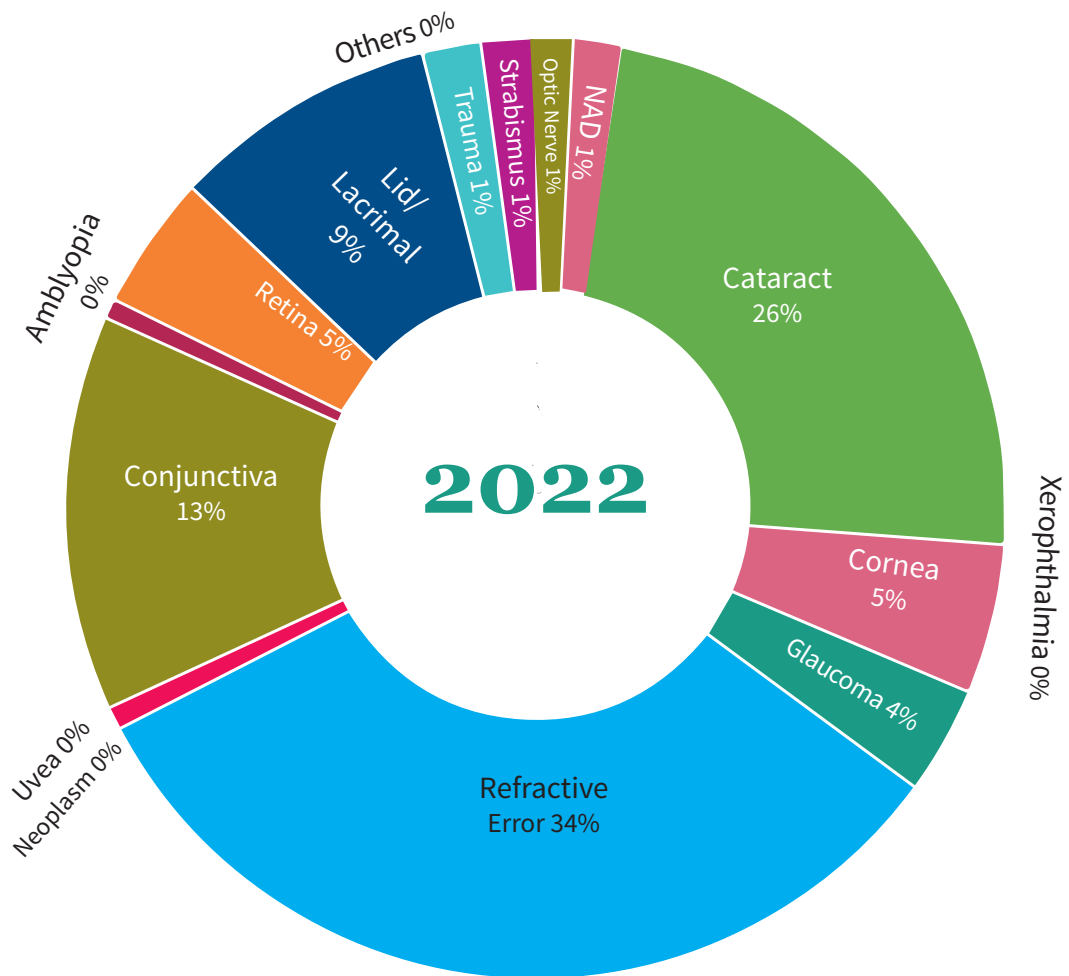


on specialty contact lens organized by Eastern Regional Eye Care Program on 04th November, 2022 in Biratnagar.

- Dr. Purushottam Joshi (Medical Director), Mr. Amit Kumar Singh (Optometrist) & Mr. Ajay Kumar Ray (Optometrist) attended workshop on specialty contact lens organized by B. P. Koirala Lions Center for Ophthalmic Studies, Kathmandu on 3rd December 2022.
- Dr. Purushottam Joshi (Medical Director), Dr. Sadhana Sharma (Ophthalmologist) & Dr. Ankit Bista (Ophthalmologist) attended CME on retina organized by Nepal Vitreo-retina Society in Kathmandu on 17th December, 2022.



Disease Pattern



5. Outreach Activities

a. Surgical Eye Camp

In 2022, we successfully organized six surgical eye camps; three camps in Panchathar and one camp each in Taplejung, Ilam & Jhapa respectively. Altogether, 6,171 patients were examined in camp OPD whereas 818 patients underwent eye surgery out of which 700 cases were cataract surgery with intra-ocular lens implant.

Surgical Eye Camp Summary

S. N.	Description		2021	2022	Diff.	In %
1	Surgical Camps	No.	2	6	4	200.00
		OPD	1,926	6,171	4,245	220.40
		Surgery	390	818	428	109.74



b. Screening Camp

A total number of 18 screening eye camps were organized; mostly in Jhapa district. The total number of out-patient examination reached to 5,129 and 270 patients had benefitted from surgery at the base hospital. (See table below)

Screening Camp Summary

S. N.	Description		2021	2022	Diff.	In %
1	Screening Camps	No.	3	18	15	500.00
		OPD	900	5,129	4,229	469.89
		Surgery	120	207	87	72.50

Altogether, 1,054 patients took advantage of the optical dispensing facility made available on the spot of screening eye camps.



c. School Screening Camp

Last year, we conducted school screening camps in 17 schools with the support from Municipality and Rural Municipality mostly in Jhapa district & majority of them i.e. ten school screening camps were supported by Kanakai Municipality. Altogether, 6,473 students underwent eye screening and 173 students obtained free spectacles.

School Screening Camp Summary

S. N.	Description		2021	2022	Diff.	In %
1	School Screening Camps	No.	283	17	-266	-93.99
		OPD	68,129	6,473	-61,656	-90.50
		Specs.	2,983	173	-2,810	-94.20



6. Satellite Clinic Services

The total number of patients benefitted from the out-patient service from eight eye care centers reached to 38,545 in 2022. Again, the out-patient volume was the highest at Gauradaha eye care centre i.e. 8,784 followed by Damak (6,484) and Surunga (5,333). The highest OPD growth rate was found in Belaka followed by Bhadrapur by 76.72% and 31.98% respectively. (See table below)

Further, 5,712 patients benefitted from optical dispensing service available at primary eye care centers, a significant increase of 59.38% compared to previous year.

Damak eye care center was relocated in a newly furnished clinic set-up with the addition of required facility to perform surgery on OPD basis in a new building owned by Damak municipality ward no. 6 office from 22 August, 2022.

PECCs Performance Summary

S. N.	Description	2021	2022	Diff.	In %
1	Panchathar	3,168	3,394	226	7.13
2	Rajgadh	2,331	2,127	-204	-8.75
3	Gauradaha	8,538	8,784	246	2.88
4	Damak	6,483	6,484	1	0.02
5	Bhadrapur	3,437	4,536	1,099	31.98
6	Baniyani	3,144	3,089	-55	-1.75
7	Belaka	2,715	4,798	2,083	76.72
8	Surunga	1,130*	5,333	4,203	371.95
	Total	30,946	38,545	7,599	24.56

*Clinical Data of only four months omitted in MEH Annual Report 2021 included

Similarly, surgical service was continuously provided at Bhadrapur Eye Care Center, Bhadrapur in 2022 and the number of beneficiaries reached to 109 patients. (See table for Detail)

Bhadrapur Eye Care Center

S. N.	Type of Surgery	Total		Grand Total
		Male	Female	
1	SICS+PCIOL	20	27	47
2	PHACO+PCIOL	19	25	44
3	Pterygium	5	12	17
4	Entropion		1	1
	Grand Total	44	65	109



7. Diagnostic & LASER Services

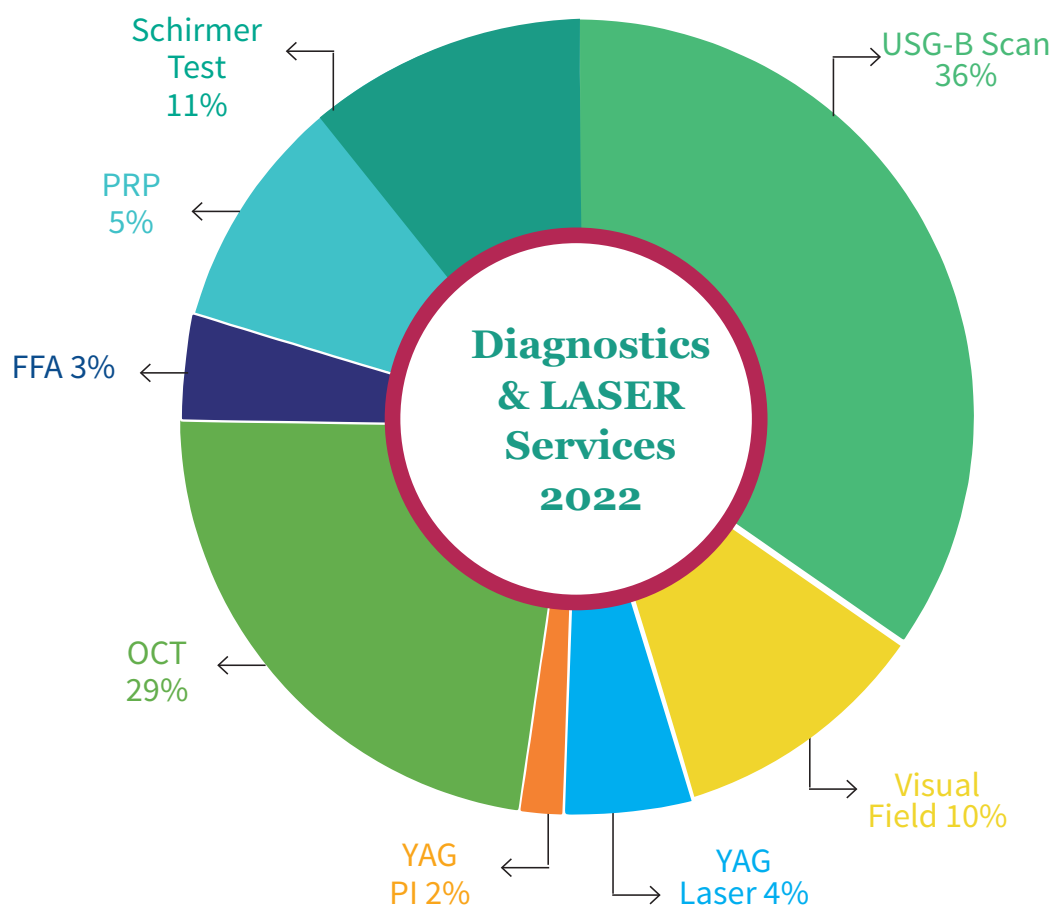
Diagnostic services are vital for the management of various ocular conditions as the appropriate course of treatment is mostly based on various test reports. In 2022, B-scan & OCT tests were performed in 18,457 & 14,798 patients respectively. Other tests carried out in significant numbers were visual field in 5,142 patients, schirmer test in 5,334 patients and fundus photos taken in 1,646 patients. Similarly, LASER & PRP therapies were performed in 2,824 (YAG-1,774 & YAG PI-1,055) & 2,389 patients respectively.

Diagnostics & LASER Services

S. N.	Description	2021	2022	Diff	In %
1	USG-B Scan	10,230	18,457	8,227	80.42
2	Visual Field	3,167	5,142	1,975	62.36
3	FFA / Fundus Pho-to	2,280	1,646	-634	-27.81
4	YAG Laser	1,115	1,774	659	59.10
5	YAG PI	470	1,055	585	124.47
6	OCT	8,233	14,798	6,565	79.74
7	PRP	1,113	2,389	1,276	114.65
8	Schirmer Test	3,163	5,334	2,171	68.64



A chart is presented below depicting some of the major diagnostic tests performed with their contribution:



8. Eye Health Education

Community eye health system is complete only with the involvement of health workers engaged at grass root level. Apart from that, availability of services does not ensure accessibility of the same by the community. Hence, it is crucial to cover the gap between the service provider and the community people which is best bridged with the delivery of primary eye health education training to different influential target groups active in the health sector at local level. This arrangement will support to increase awareness among the community people thereby seeking eye health care services available to them at the nearest location thereby ensuring optimum utilization of the existing services.



With the main objective of increasing awareness and strengthening referral network in the local community, we organized eye health education training to various target groups e.g. female community health volunteers, school teachers and health personnel in co-operation with Bahradaishi & Kachankawal rural municipalities and Bhadrapur, Arjundhara & Patharisanishchare municipalities.

Eye Health Education training organized to different target groups in 2022 are tabulated below:

Major Training Activities

S. N.	Description	2021	2022	Diff.	In %
1	FCHV	44	113	69	156.82
2	School Teachers	62	65	3	4.84
3	Health Personnel	18	66	48	266.67
	Total	124	244	120	96.77



9. Events

25th Anniversary

• One mega event was organized to commemorate our 25th Anniversary on 15th July, 2022. The program was chaired by Mr. Jal Kumar Gurung; Chairman-Mechi Eye Hospital (Sangh) and the formal session was conducted by Mr. Ganesh Pokharel (Secretary-MEHS). Mr. Ashok Karki (Mayor-Belaka Municipality) was present as chief guest of the program.

Distinguished members of MEHS were also present to observe the ceremony;

namely Mr. Chhatra Prasad Adhikari (Immediate past chairman), Mr. Suresh Kumar Bansal (Vice chairman), Ms. Manju Sitaula Pokharel (Treasurer), Mr. Bharatlal Giri (Member), Mr. Dinesh Kumar Mittal (Member), Mr. Bhim Bahadur Gurung (Member) and Mr. Chandi Prasad Parajuli (Member) & certificate of appreciation was also awarded to founder members of Mechi Eye Hospital (Sangh).

Mr. Anil P. Gorkhaly (Country Director), Ms. Sujata Gautam (Admin & Finance Manager) & Ms. Shubhechha Shrestha (Communication Intern) were also present in the event representing Eye Care Foundation, the Netherlands.

Some key dignitaries present in this event were Mr. Shyam Pokharel (General Secretary-Nepal Netra Jyoti Sangh) accompanied by Dr. Sailesh Kumar Mishra (Executive Director-Nepal Netra Jyoti Sangh) & other representatives from local government entities including municipalities & rural municipalities. Further, journalists representing local & national media publication houses had also participated in this event.

During the formal session, Mr. Suresh Bansal (Vice Chairman-MEHS) offered warm welcome to all the guests and Dr. Purushottam Joshi (Medical Director-Mechi Eye Hospital) briefly presented some of the key mile stones as well as achievements of the hospital made so far during the last twenty-five years of its existence. Other key speakers who offered their best wishes & message were – Mr. Ashok Karki (Mayor-Belaka Municipality), Mr. Shyam Pokharel (General Secretary-NNJS), Mr. Anil P. Gorkhaly (Country Director-ECF/NP), Mr. Bimal Poudel (President-Nepal Ophthalmic Assistant Association), Mr. Nagendra Sangraula (Deputy Mayor-Birtamod), The function was officially concluded with the “note of thanks” by Mr. Jal Kumar Gurung (Chairman-MEHS).

A group dance was performed by MEH team to rejoice the event. Apart from that, "Long Service Award" was presented to senior staff in recognition of their loyalty & dedicated service to the organization & "Best Staff Of The Year" as well. Further, certificates were also awarded to the representatives from different local government authorities (especially municipalities & rural municipalities) and non-government organizations in appreciation of their support towards the promotion of community eye care services in this region.



“Long Service Award” List-25th Anniversary

S. N.	Name	Designation	Service Period
1	Dr. Purushottam Joshi	Medical Director	17 Years
2	Mr. Prashant Shrestha	Program Officer	23 Years
3	Mr. Amit Kumar Singh	Optometrist	6 Years
4	Ms. Kabita Karki	Ophthalmic Officer	22 Years
5	Mr. Mohan Adhikari	Registration In-charge	26 Years
6	Mr. Durga B. K.	Senior Driver	26 Years
7	Ms. Tanuja Dahal	OT In-charge	9 Years
8	Ms. Namrata Acharya	Counseling In-charge	18 Years
9	Mr. Shrawan Sardar	Pharmacy In-charge	14 Years
10	Mr. Bhuwaneshwor Rajbanshi	Lab In-charge	12 Years
11	Ms. Jyoti Gurung	Eye Health Worker	19 Years
12	Mr. Yubraj Rajbanshi	Eye Health Worker	15 Years
13	Ms. Mana Kumari Sarki	Eye Health Worker	18 Years
14	Mr. Krishna Shrestha	Maintenance Asst.	12 Years
15	Mr. Ganesh Rajbanshi	Optical Assistant	17 Years
16	Mr. Dilli Ram Sitaula	Maintenance Asst.	8 Years
17	Ms. Dil Maya Bista	Optical Sales Asst.	13 Years
18	Ms. Muna Magar	Security Guard	16 Years
19	Ms. Sharmila Rajbanshi	Housekeeper	21 Years







“Best Staff” Award List – 25th Anniversary

S. N.	Name	Designation	Department
1	Ms. Jyoti Khadka	Store Supervisor	Administration
2	Mr. Pravat Bikram Tamang	Admin Asst.	Medical Record
3	Ms. Netra Adhikari	Eye Health Worker	OPD-Refractive
4	Mr. Binuta Lauwa	Eye Health Worker	OPD-Refractive



“Certificate of Appreciation” to Health Coordinators List – 25th Anniversary

S. N.	Name	Palika
1	Mr. Puskar Niraula	Haldibari Rural Municipality
2	Mr. Khagendra Dangal	Kankai Municipality
3	Mr. Govinda Shrestha	Gauradaha Municipality
4	Mr. Mukunda Basnet	Arjundhara Municipality
5	Mr. Gyan Bahadur Poudel	Bahradashi Rural Municipality
6	Mr. Ram Shah	Bahradashi Rural Municipality
7	Mr. Kamal Prasad Niraula	Buddha Shanti Rural Municipality
8	Mr. Ram Chandra Mishra	Kamal Rural Municipality



26th Anniversary

Another event we organized in the newly constructed parking area was our 26th Anniversary on 15th November, 2022 which was chaired by Mr. Jal Kumar Gurung (Chairman-MEHS) and the program was conducted by Mr. Ganesh Pokharel (General Secretary-MEHS). Ms. Pabitra Mahatara Prasai (Mayor-Birtamod Municipality) was present as “Chief Guest” of the program and also inaugurated the function whereas Mr. Suresh Bansal (Vice Chairman-MEHS) offered a warm welcome to the distinguished guests & participants present in the program.

Dr. Purushottam Joshi (Medical Director-MEH) highlighted some of the key indicators related to the hospital performance, new policies/provisions introduced for long-term staff retention and investments made in acquiring modern ophthalmic technology and construction of civil works within the hospital premises.



Apart from the speech delivered by key speakers present in the program, some notable activities executed were the awards presented to “Best Staff” and distribution of medals & gifts to the winners of various sports competition organized on this occasion. Further, “Best Eye Care Centre” award was presented to Gauradaha Eye Care Center. The program was finally concluded with the “note of thanks” by the chairperson.

“Best Staff” Award List-26th Anniversary

S. N.	Name	Designation	Department
1	Mr. Hom Prasad Dhital	Ophthalmic Asst.	OPD
2	Ms. Manju Pradhan	Eye Health Worker	OPD
3	Ms. Laxmi Rajbanshi	Eye Health Worker	OT
4	Mr. Yubraj Rajbanshi	Optician	OPD
5	Ms. Brinda B. K.	Housekeeper	IPD





Appreciation Certificate to Local Organizers List – 26th Anniversary

S. N.	Organization	Address
1	Nepal Red Cross Society	Jhapa
2	Indreni Multipurpose Cooperative	Kankai
3	Sana Majhauula Bachat Tatha Rin Sahakari Sanstha	Birtamod
4	Gauradaha Nagarpalika	Gauradaha
5	Sahara Nepal Sahakari Sanstha	Birtamod



10. Construction & Equipment

- Two major construction works were finished in 2022; one is drainage canal around the periphery of the compound wall and another one is the parking shade with Pavers in the western side of the hospital. The total cost incurred was NRs. 92,57,648.00 only.

S. N.	Description	Amount
1	Parking Shade with Pavers	5,941,287.00
2	Drainage Canal with Concrete work	3,316,361.00
	Total Amount	9,257,648.00



- Investment is also made to acquire some of the high-tech ophthalmic equipments to enhance technical compatibility of the hospital. The total amount incurred to purchase these equipments was NRs. 45,359,878.77 only.

S. N.	Description		
1	Oertli OS4 Phaco Machine	8	Icare Tonometer set
2	Light Med 432nm LASER Machine	9	Takagi LED Operating Microscope
3	Automatic ETO Sterilizer-80 Ltrs.	10	Biphasic Defibrillator with AED & Pacemaker
4	Penlon General Anesthesia Machine	11	Video Laryngoscope
5	Takagi Slit lamp	12	MRC DST Custom Surgical
6	Eidon UWF Module	13	Other instruments
7	Heidelberg Anterior Segment Module		



11. Subsidy

The detail for subsidy offered to patients is appended below:

S. N.	Description	2021		2022	
		Nos	Amount	Nos	Amount
A.	PECC				
1	Baniyani	2	2,000.00		
2	Bhadrapur	1	1,000.00	4	4,000.00
3	Phidim			2	12,688.00
4	Gauradaha	5	5,000.00	3	3,000.00
5	Rajgadh			6	6,000.00
	Sub -total	8	8,000.00	15	25,688.00
B.	Screening Camps				
1	Registration-School Screening			4	640.00
2	Registration-Screening Camps	120	18,000.00	223	35,680.00
3	Lab Test	3	2,880.00	167	160,160.00
4	Surgery for Screening Camp Pa-tients	120	240,000.00	213	417,000.00
	Sub -total	243	260,880.00	607	613,480.00
C.	Hospital OPD				
1	Lab test for Underprivileged			77	74,820.00
2	Surgery and Others	38	145,478.00	205	960,355.00
3	Medicines			15	5,501.00
	Sub -total	38	145,478.00	297	1,040,676.00
D.	Nepal REACH Project				
1	OPD	945	47,350.00		
2	Orthoptics Evaluation	487	146,100.00		
3	Visual Field Test	12	12,000.00		
4	Ptosis, Low Vision & Other Tests	42	10,850.00		
5	B-Scan, Opt. Biometry & Pachyme-try	68	29,900.00		
6	Fundus Photo & OCT	59	81,000.00		
7	General Anesthesia	2	10,000.00		
8	Cataract Surgery	12	226,000.00		
9	Squint Surgery	8	128,000.00		
10	LASER Treatment	11	14,000.00		
11	Blood Investigation	26	30,180.00		
12	Minor Surgery	2	24,800.00		
	Sub-total	1,674	760,180.00	0	-
13	Spectacles-School Screening Camp	2,685	2,148,000.00		
14	Spectacles-Referral Cases	296	236,800.00		
15	Medicines-School Screening Camp		12,707.00		
	Grand Total	4,944	3,572,045.00	919	1,679,844.00

Subsidy is provided to underprivileged patients referred to the hospital from different types of community activities like screening eye camps, surgical eye camps etc. on regular basis in order to maintain equity in service delivery to the community. On the long run, it actually supports to resolve barriers & increase the service uptake at grass root level.

In 2022, the number of beneficiaries received subsidy from the hospital reached to 919 patients and the total cost covered by the hospital was NRs. 16,79,844.00.

12. Glimpses of MEH Activities

Mechi Eye Hospital of 25 Anniversary













Glimpses of 26 Anniversary





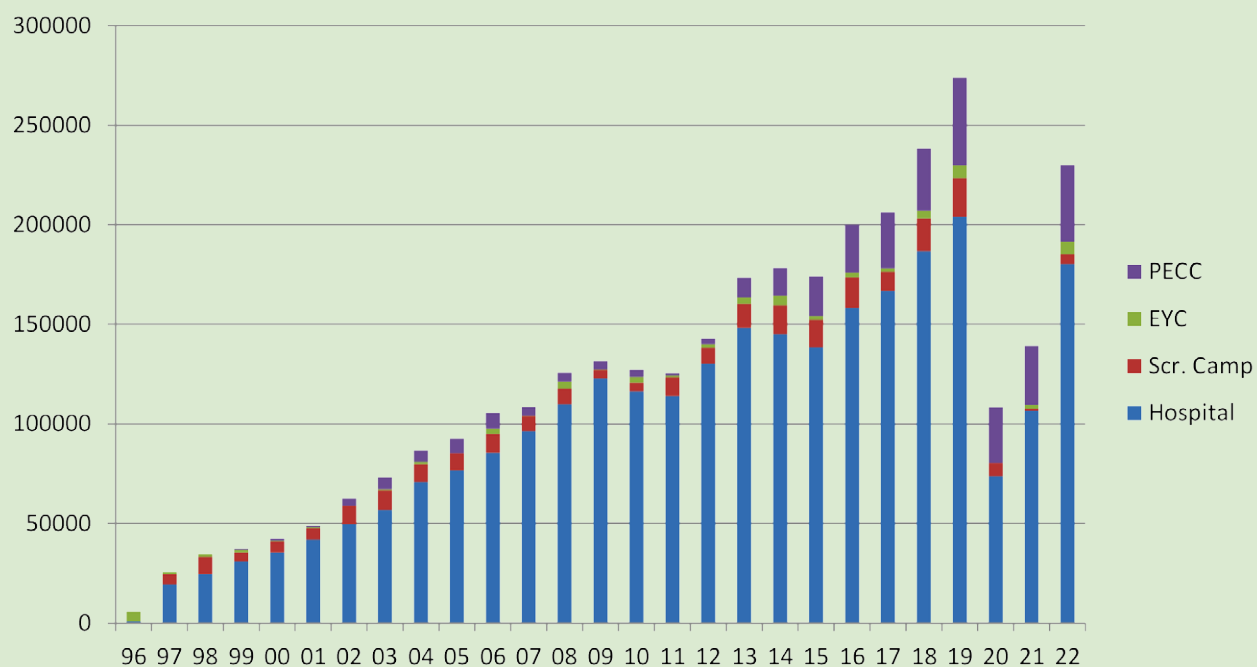




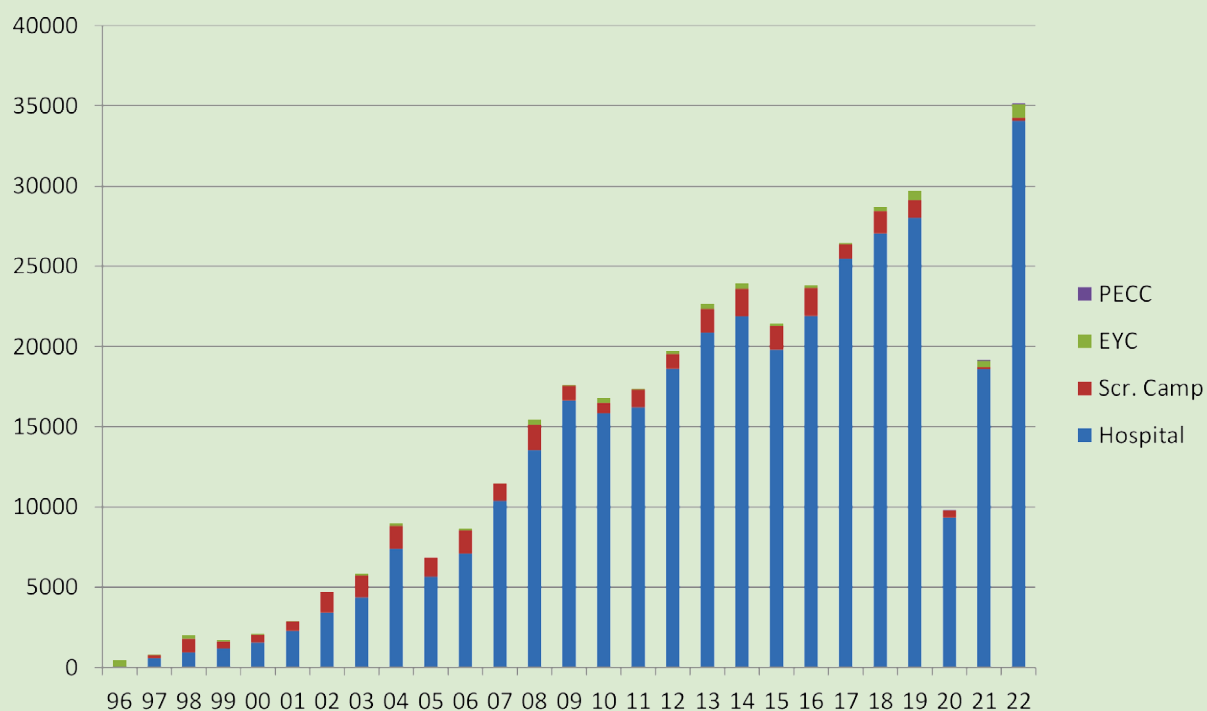
Mechi Eye Care Program At a Glance in 2022

S.N.	Activities	Mechi Eye Hospital, Birtamod-Jhapa (Year 2022)
1	Number of OPD	Total OPD : 180,204 <ul style="list-style-type: none"> General – 29,824 Review – 47,375 Paying – 1,02,420 Emergency – 585
2	No. of Surgeries	Total surgery : 34,058 <ul style="list-style-type: none"> ICCE/ECCE/SICS – 7,324 Combined surgery (Glaucoma & Retina) – 57 & 33 Phaco surgery – 14,383 Combined Phaco (Glaucoma & Retina) – 80 & 351 Secondary Implant – 42 & Others – N/A Glaucoma (Trabeculectomy) – 44 Retina – 5,183 Squint & Others – 638 Cornea (Pterygium, Corneal Foreign Body Removal, Pupiloplasty) – 2,706 Oculoplasty – 3,217
3	No. of Screening Camp	MEH organized 18 screening camps in which it examined 5,129 patients and performed surgery on 207 cases.
4	No of Surgical Camp	MEH organized 6 surgical eye camps with OPD of 6,171 patients and surgery of 818 cases
5	No. of Training for Referral	School Teachers – 65, FCHV – 113, Health Personnel - 66
6	No of Children Served	OPD – 6,473 & Spectacles – 173
7	No. of MD Ophthalmologist	13 ophthalmologists including fellows in Vitreo-retina-2, Oculoplasty-1, Anterior Segment-4.
8	No. of Clinical Staff	Optometrist – 6, Ophthalmic Assistant – 28, Staff Nurse – 4, Eye Health Worker – 42 & EHW Trainees – 22, Optometry Intern-10
9	No. of Administrative Staff	Admin staff – 15, Security - 17, Support Staff – 59 & Housekeeping Staff - 23

MECP OPD Summary (1996-2022)



MECP Surgery Summary (1996-2022)





Mechi Eye Hospital

Birtamode -3 , Sainik Mode, Birta Bazar, Jhapa, Nepal

Ph : 977-23-531992, 23-531993, 23-530153, Fax: 977-23-531492

Email: mecc@ntc.net.np, Website: www.meh.org.np