

ACTIVITY REPORT

2022-2023



MEDICAL RESEARCH FOUNDATION

Old No. 18, New No. 41, College Road, Chennai 600 006





SANKARA NETHRALAYA

is one of

**THE
WORLD'S
BEST
HOSPITALS
2022**

Newsweek

For third consecutive year



MAHYCO BLOCK
சங்கர நெத்ரலாயா
SANKARA NETHRALAYA
SRI V.R. RAMANATHA IYER BLOCK
SRI VENUGOPAL BLOCK
MEHTA BLOCK



11

CENTERS ACROSS INDIA

Sankara Nethralaya Main Hospital

Old No.18, New No.41, College Road, Chennai-600006

Jagadguru Kanchi Sri Chandrasekarendra Saraswathi Nethra Nilayam

21, Pycrofts Garden Road, Chennai-600 006

Dr. V. G. Appukutty Campus

**C.U. SHAH Sankara Nethralaya & Jaslok Community Ophthalmic Centre
Academy – Elite School Of Optometry & The Sankara Nethralaya Academy**
No.8, GST Road, St. Thomas Mount, Chennai-600 016

Sankara Nethralaya R A Puram

New no.30, Old no.73, Kamarajar Salai, R A Puram, Chennai-600 028

Smt. T. K. Lakshmi Ammal And Smt. T.K. Alamelu Ammal Sankara Nethralaya

New No 39. Old no. 19, 1st Main Road, East Shenoy Nagar, Chennai-600 030

Sankara Nethralaya Orange Vision Centre

New No. 10, Old No.69. Thiruvalluvar Street, Valasaravakkam, Chennai 600087

Suraj Sankara Nethralaya

No. 34, Dharmaraja Koil Street, Chetpet Post & Taluk, Tiruvannamalai Dist-606801

Sri City Sankara Nethralaya

Sri City Medical Care Center, 305, North, 2nd street, Sector3,
Sri City, Varadaiahpalem Mandal Chittoor Dist, AP-517541

Aditya Birla Sankara Nethralaya

No.147, Barakhola, Mukundapur, E M Bypass, (Near Santhoshpur Connector) Kolkata - 700 099

Kamalnayan Bajaj Sankara Nethralaya

Premises No.25-3333, Plot No. D J 16, Action Area-2, New Town, Kolkata - 700156

Sankara Nethralaya RSM Square

No.10, Raja Subodh Mallik Square Kolkata - 700013



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PATIENT CARE

At Sankara Nethralaya, we give great attention to patient safety and quality of care received by our patients. Along with providing excellent eye care to more than 858696 patients at our 10 patient care centers in south and north India our eye care specialists carry out original biomedical research and deliver progressive academic programs to ophthalmologists and other eye care providers in India.

The departments and sub-specialities offered at Sankara Nethralaya:

- C J Shah Department of Cornea Services,
- Smt. Jadhavbai Nathamal Singhvee Glaucoma Services
- Shri Bhagwan Mahavir Department of Vitreo Retinal Services
- Department of Neuro Ophthalmology
- Department of Ocular Oncology
- Department of Orbit, Oculoplasty, Reconstructive & Aesthetic Services
- Department of Pediatric Ophthalmology and Strabismus
- Department of Uvea Services
- Refractive Surgery or Laser Vision Correction

Our ophthalmologists and optometrists diagnose the most complex cases and they work as a team to provide the best possible outcome for each of our patients.

Our well-equipped facilities are upgraded yearly to meet international standards of care.

Sankara Nethralaya

South India



North & East India

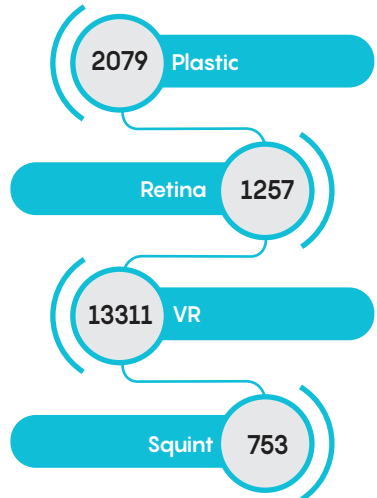
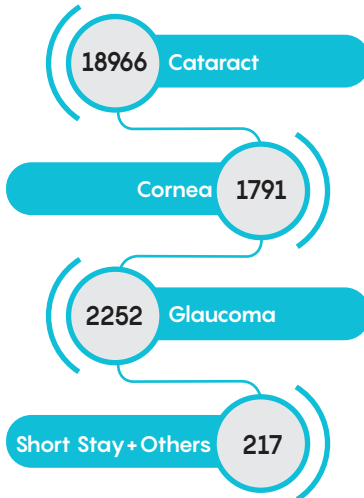




2022-2023



Paying Surgeries Performed from 2022 - 2023





Sankara Nethralaya Orange Vision Centre Inaugurated

The Sankara Nethralaya Orange Vision Centre in Valasaravakkam, was inaugurated on Vijayadashami, 05 October 2022. Located at New #10, Old #69 Thiruvalluvar Street, Valasaravakkam, Chennai — 600087, the Centre was launched with the support of Rotary Club of Chennai IT City, and the Rotary Foundation for the benefit of the residents of Valasaravakkam and surrounding neighbourhoods. The Gopalasamy Family Charitable Trust, which is based out of the USA, munificently contributed towards the Orange Vision Centre. The Orange Vision project covering South and North India was conceived by the Rotary Club of IT City to bring affordable eye examination to every nook and corner of India.

The Chief Guest, Ms. Rajalakshmi Gopalaswamy, Gopalasamy Family Charitable Trust, inaugurated the premises. Dr. S. V. Chandra Kumar. The Project Director, TN Blindness Control Society, RTN Radha Srinivasan, Rtn Dr. Senthilnathan — President of IT City, Mr. Aravind Parthasarathy, Mr. G. P. Sarathy, Rtn PDG Muthu Palaniyappan, and other distinguished members of Rotary Club took part in the inaugural function.

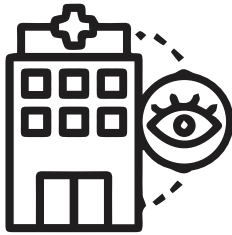
Dr. Girish S. Rao, President, Sankara Nethralaya, Dr. N. Anuradha, Principal, Elite School of Optometry, Dr Sripriya Krishnamoorthy, Senior Consultant, Mr. Suresh Kumar, General Manager, Operations, were present to offer their felicitations and support at this event.





Department of Eye Bank

The C. U. Shah Eye Bank conducted many eye donation awareness programs throughout the year in schools, colleges, and hospitals to increase awareness among the public and encourage everyone to pledge their eyes after death.



Corneal Transplant services during the period April 2022 – March 2023

Total Number of eyes Collected

1124

Total Number of Corneal Transplant surgeries performed

724

Highlights during the year 2022 – 2023

Rally on National Eye Donation Day

On September 8th, 2022, National Eye Donation Day, Sankara Nethralaya (SN), and the SN C. U. Shah Eye Bank organized a rally at its Dr. V. G. Appukutty campus at St. Thomas Mount. Each year, India observes National Eye Donation Fortnight from August 25th to September 8th, 2022. During the two weeks, eye donation awareness activities are organized throughout the city to educate the public.

This year, Sankara Nethralaya's C. U. Shah Eye Bank in collaboration with the Elite School of Optometry marched for eye donation awareness. Joining the 12 km rally were Mr. Nanda Kumar, Indian Revenue Service (IRS), Chief Guest, Dr. Anuradha N., Principal, Elite School of Optometry (ESO), Dr. Rama Rajagopal, Director, and Dr. N. Radhika, Deputy Director, Department of Corneal Services, Dr Veena Baskaran, Incharge – Community Ophthalmology, the students of ESO and The Sankara Nethralaya Academy (TSNA), and staff of Sankara Nethralaya, Chennai.



National Eye Donation Fortnight

Consultants from Sankara Nethralaya's Department of Cornea Services, Dr. R. R. Sudhir, and Dr N Radhika gave interviews on major Tamil News Channels to raise awareness about eye donation, during the fortnight.





Akhil Bhartiya Terapanth Yuvak Parishad appreciates Sankara Nethralaya

Akhil Bhartiya Terapanth Yuvak Parishad (ABTYP) has around 350 branches around the world and is involved in many social welfare activities throughout India. The ABTYP held an exclusive recognition ceremony on Saturday, 25th February 2023, to honour and appreciate Sankara Nethralaya for spearheading the eye donation movement in South India, especially Chennai.

The voluntary organization acknowledged the sincere efforts of C U Shah Eye Bank in answering eye donation calls at any time of day or night. Since 2016, ABTYP has tied up with us and have been instrumental in motivating and encouraging people from all walks of life to pledge their eyes, and for the bereaved families to donate their loved ones' corneas. In 2022 ABTYP has routed around 40 eye donation calls, resulting in 80 cornea harvested in Chennai.

We spoke on the process of pledging one's eyes, eye donation of bereaved one, who can and who cannot donate eyes in the following educational institutions



NABH Accreditation Status for Entire SN



Sankara Nethralaya (Main)
Last Audit Date : 15th & 16th March 2022
Accreditation Status : Accredited
Certificate valid :03/11/2022 to 02/11/2025



Sankara Nethralaya (JKCN)
Last Audit Date : 22nd & 23rd Nov'2021
Accreditation Status : Accredited
Certificate valid : 30/03/2022 to 29/03/2025



C U SHAH Sankara Nethralaya
Last Audit Date : 17th & 18th Dec'2022
Accreditation Status : Accredited Certificate under process
Certificate valid : 03/12/2022 to 02/12/2025



Kamalnayyan Bajaj Sankara Nethralaya
Last Audit Date : 12th & 13th July '2022
Accreditation Status : Accredited
Certificate valid : 27/07/2022 to 26/07/2025



Aditya Birla Sankara Nethralaya
Last Audit Date : 25th & 26th June'2022
Accreditation Status : Accredited
Certificate valid : 29/04/2022 to 08/04/2025



Sankara Nethralaya RA puram
Last Audit Date : 24th & 25th Sep'2022
Accreditation Status : Accredited
Certificate valid : 10/11/2022 to 09/11/2025



Department of Quality Management 2022 - 2023

- Patient feedback analysis: Patient feedback were analyzed on day-to-day basis and reported to the top management.
- Patient complaints: The minor complaints are solved by the quality team and the major complaints are addressed to the top management for their inputs and resolved subsequently.
- Manual Updates: Manuals are revised annually after review by the quality department.
- Internal audits: Internal audits are conducted at regular intervals for all locations.
- Conducting external NABH audit and findings are shared with the concerned department for necessary action and closing the noncompliance as per NABH requirements.
- Quality Indicator Meeting: Quality indicator meeting conducted for all the location. Indicators are discussed in the meeting and the suggestions of Top management fulfilled as per the NABH standards.
- Quality assurance committee meetings are conducted once in six months along with top management.
- New Safety committee formed. New Chairperson for Medical and non — Medical safety officer were nominated.
- Patient safety week was celebrated and best patient safety campaigners were rewarded. Incident reporting form was revised for better compliance.
- Facility rounds are being carried out on a regular basis
- Data Validation of quality indicator being carried out for regular basis
- Monitoring of MOCK drills (code blue, pink, red, disaster management)
- Patient safety program audit (International safety goals) conducted for (All location)
- Committee evaluation carried out for all the locations.
- Analysis of near miss and adverse event analysis (Medical and Non-Medical)
- Training and development: Orientation for the new comers, and as per the yearly training calendar the trainings are conducted in all the location.



Department of Fundraising

The Department of Fund Raising at Sankara Nethralaya is the bridge that connects the altruistic donors to the institution. This department mobilizes resources from socially conscious individuals and corporates, which is used to alleviate the vision and sight-related problems of the economically deprived sections of our society. We are tasked with the responsibility of identifying prospective donors, making appeals to them to help mitigate the vision related challenges of the affected. The munificence of the generous donors channeled through the institution helps a number of beneficiaries to once again become contributing members to their families and society.

We thank all our supporters who have enabled us to extend quality eye care and maintain our infrastructure/equipment throughout this financial year:

Individual donors who contributed for Medical Equipment and naming a room in memory of their beloved family members.

- | | |
|-----------------------------|------------------------|
| 1. Mr. Pradeep Balakrishnan | 4. Ms. Shantha N |
| 2. Mr. Pattabiraman R | 5. Mr. Dwarakanathan R |
| 3. Dr. Ramamurthy D | 6. Ms. Renuka Devi |





- Dr. Kishore Chivukula, member of the SN USA Board of Trustees, Auburn, Alabama chapter, visited the main branch at Nungambakkam, Chennai on 03 February 2023. He benevolently contributed towards naming a room and was enthusiastic about this institution's scope of community care.
- Prof Gajendra K. Verma, a senior citizen settled in the U.K., felt an urgent need to help his motherland and donated a munificent lump sum to help disadvantaged patients. He learned of Sankara Nethralaya's community care activities through his family members and friends. With a keen desire to help patients in North and Central India, Sri Gajendra ji requested Sankara Nethralaya to spread our care to patients hailing from Northern parts of India.

Corporate Supporters

- M/s. Bharat Petroleum Corporation Limited donated the Zeiss IOL Master 700 Optical Biometer, which has enhanced our capacity to perform cataract surgeries.
- M/s. Haworth India Private Limited contributed a UBM & B Scan, and also generously donated a consultation room at A. S. Block, JKC.N.
- M/s. The Clearing Corporation of India Ltd supported complicated/major surgeries during the financial year 2022- 2023 and we thank them for their magnanimity and belief in our fight against blindness.
- M/s. Nichal Israni Foundation donated towards the cataract surgeries for deserving patients. They have been steadfast in their support of patients in our community care facilities in Chennai and Kolkota throughout the years.
- GRT Jewellers India Private Limited, one of our long-time supporters and patrons of our noble cause donate generously each year towards the patients in our community care facilities.
- Pilani Investment and Industries Corporation has supported us this to revamp and get new equipment to serve deserving patients.
- M/s. MSTC Limited — a new corporate supporter has joined hands with Medical Research Foundation to serve society and have funded the VERION Image Guided System to help our community care services in SN Kolkota.
- India Development and Relief Fund (IDRF) contributed a diode laser (ophthalmic equipment) to enhance our patient care services.



- Mission for Vision has been a steadfast supporter of our community activities such as eye screening camps, school screening camps, surgeries, etc.
- Lucas TVS & Delphi TVS have signed a joint Memorandum of Understanding with us for Glaucoma research activities.
- M/s Ceebros Hotels Private Limited supported magnanimously for FREE eye surgeries and named a room in A.S Block, JKC Complex, Pycrofts Road facility.
- M/s Sundaram Home Finance Limited and M/s Sundaram Finance Limited generously funded major ophthalmic equipment to facilitate efficient diagnosis and treatment for all our patients.
- M/s. Shyam Kothari Foundation donated towards our community services and academic endeavours.
- The Executioners of Estate of Late Rustom Ruttonshaw Dalal donated generously according to his last will and testament. This magnanimous contribution facilitated the naming of a room.





- The Paediatric Floor (5th Floor, MAHYCO Block) was dedicated in memory of Shri N Sankar, Chairman, M/s. The Sanmar Group. He had been a long-time supporter of our fight against blindness and his son, Mr. Vijay Sankar, Deputy Chairman, The Sanmar Group, is carrying on his father's benevolent legacy.



Inauguration of Amiya Kumar Ghosh Vision-Aid Resource Centre – Vision Enhancement Clinic, SN- Rajarhat, Newtown

The Amiya Kumar Ghosh Vision-Aid Resource Centre – Vision Enhancement Clinic (VEC), SN- Rajarhat, Newtown was inaugurated on 31st December 2022 by Col Tapas Saha Roy, Medical Superintendent, SNK — Rajarhat (Mrs Sapna Saxena, Donor ,Mr Arijit Ghosh Donor and his family). This Vision Enhancement Clinic is a joint collaboration with Vision Aid and was dedicated in memory of Shri Amiya Kumar Ghosh of Kolkota by his family in India, USA, and Australia.

This new centre is the only one of its kind in the Eastern part of India and its aim is to restore optimal vision function to patients through early intervention.





Sankara Nethralaya USA Helps India See

Founded in 1988, SN USA also known as the Sankara Nethralaya Ophthalmic Mission Trust – the only authorized fundraising arm of Sankara Nethralaya in the USA was established with the sole objective of raising funds to provide free services to indigent patients in India. SN USA is managed by thirty-five honorary trustees spread across fourteen chapters in the USA and is supporting several community projects of SN India.

Sankara Nethralaya Hosts “Music For Charity Margazhi Concerts”

This unique fundraising musical concert series focused on raising awareness on preventable blindness and the community service activities of Sankara Nethralaya. The three day musical concert featured the stellar performance of Carnatic music stalwarts like Vocalist Sri. Sikkil C. Gurucharan, Sri N. Guruprasad (Ghatam), the Sarvepalli Sisters, and the world renowned violinist, Padmashri Sangitha Kalanidhi Smt. A. Kanyakumari.

Proclamation to Sankara Nethralaya

President of Sankara Nethralaya USA, Sri Bala Reddy Indurti was presented with a Proclamation from the Office of the Mayor City of New York declaring June 19th as Sankara Nethralaya Day during Padma Bhushan Dr. Suda Ragunathan’s Carnatic music concert held in the Hindu Temple Society of North America on June 19th, 2022 organized for indigent patients.



Padma Bhushan awardee, Indian American Business Entrepreneur & former CEO of PepsiCo, Indra Nooyi was the Keynote speaker. Consulate General of India, New York, Honorable Randhir Jaiswal was the special guest, Mr. Dilip Chauhan, Assistant Commissioner for International Affairs was the guest of honor and was instrumental in procuring the proclamation for Sankara Nethralaya.

Smt Madhu Gulati donates to Sankara Nethralaya in memory of her in-laws

Sankara Nethralaya has recently received a generous donation from Madhu Gulatiji in memory of her (Late) in-laws, Sri Bhasham Ji Gulati and Smt. Padma Vati Gulati that helped to care for 2000 deserving blind patients in India.



Sri Nathella Sampathu Chetty Clinical Laboratory

Established in the year 1982

Accredited as per 15189: 2012 standards for the last 15 years by the National Accreditation Board for Laboratories (NABL).

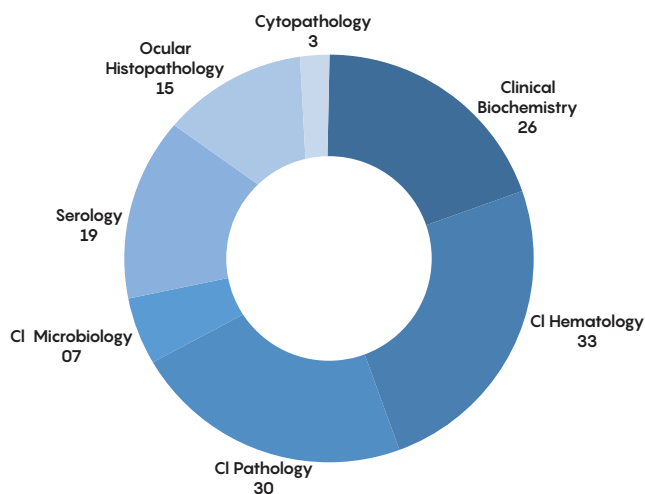
The first accreditation was obtained in 2007 under the Directorship of Dr. S. B. Vasanthi.

SNSC Clinical Lab includes 3 other collection centers apart from SN Main :

- Jagadguru Kanchi Sri Chandrasekarendra Saraswathi Nethra Nilayam (JKCN- Pycrofts Garden Road)
- C. U. Shah Sankara Nethralaya (CUSSN - St.Thomas Mount)
- Sankara Nethralaya RA Puram

A total of 182 clinical test parameters are done with an average of around 100 collections per day (90-150).

Of these, the accredited tests in the various departments of the lab include



Ocular Genetics does the pedigree, genetic counselling and the DNA based testing

Molecular Diagnostics unit at SN Main for various PCR based diagnostics.

20 external hospitals use this service

Total patients walking into the Lab - 2022: 35,920



Clinical Laboratory	Total Investigations
Clinical Biochemistry	112802
Clinical Hematology & Cl. Pathology	186281
Histopathology & Cytopathology	3236
Microbiology Serology	33438
Microbiology Surveillance	3238
Molecular Diagnostics (Jul-Dec'2022)	1915
Genetics, counseling discussion offered	672
Patients who underwent genetic testing	350

2022-2023 :

- 15 intern students Trained
- 65 Medical Laboratory Technology (UG/PG) students

Meetings:

- Dr. N. Angayarkanni, Head, Biochemistry delivered a Special Guest Lecture entitled "Clinical Chemistry and Laboratory Science Techniques" at Institute of Basic Med Sc., University of Madras, Taramani Campus on 17.03.2022.
- Dr. N. Angayarkanni, Head, Biochemistry participated in the 1st National Laboratory Directors Conclave on 30th & 31st January 2023 at KIMS Hospital, Secunderabad, Telangana
- Dr. N. Angayarkanni & Dr. Bharatselvi participated in the workshop on "Clinical Diagnostics highlighting the importance of Mass Spectrometry " at Spinco Towers on 28th July 2022.
- Dr. Harini participated from SN in the NABH ECO standards internal auditor training in February 2022 & was certified to be an internal NABH auditor.
- Dr. Harini, Quality Manager and Dr. Pralitha Madhuri G, Microbiologist underwent ISO 1589: 2022 new standard training and were certified.



- Dr. Anand , In-charge Microbiology gave an invited talk on UKRI Engineering and physical council-Proteus project global meeting, titled "Evaluation of probes for rapid detection of pathogens in ocular specimens" at University of Edinburgh, Edinburgh on 06-09-2022
- Dr.Anand, In-charge Microbiology presented the poster on Microcon 2022 conference, entitled " Nanopore sequencing in detection of bacteria from canaliculitis" at KIMS-Bhubhaneswar on 25-11-2022
- Dr. Dhanurekha, Senior Scientist presented the poster on Microcon 2022 conference, entitled "Invitro Evaluation of Macrolides and Linezolid against Pythium insidiosum isolates from Keratitis cases" at KIMS-Bhubhaneswar on 23-11-2022 to 27.11.2022
- Dr. Dhanurekha, Senior Scientist participated in the Workshop On Digital PCR at Adyar Cancer Institute 04.01.2023 & 05.01.2023
- Dr. Dhanurekha, Senior Scientist participated the Conference "Role of Clinical Microbiologist in combating Antimicrobial resistance" at Government Kilpauk Medical college in collaboration with The Tamil Nadu Dr. MGR Medical University on 29.11.2022
- Exclusive Pediatric phlebotomy training was conducted by Becton Dickinson in December 2022. A National Level Pre —Analytical Quality check External audit of SNSC Clinical Laboratory was conducted by BD (Becton Dickinson). The report highlighted our exemplary phlebotomy practices and appreciated our quality system in place with scoring as one of the top scorers among the various hospitals audited all over the country.
- Dr. Suman H Kalantri from Clinical Haematology department organised -CME Programme Title : 'Utility of histograms & scatterplots' sponsored by Beckman Coulter November 2022, All Laboratory technical & Med lab Tech students participated.
- Lab technical staff / faculty participated in the TSNA organised CME Programme "Laboratory medicine quality management systems" by Prof. Dr. C N Srinivasan and team (December 22)



Vision Enhancement Clinic Sankara Nethralaya, Shenoy Nagar

The Vision Enhancement Clinic helps people with uncorrectable vision impairments to improve their quality of living and gain independence. We are committed to advocate and provide services so allow our patients improve their visual skills and abilities with residual vision.

Our therapists are qualified in early childcare and special education. We use concept teaching activity such as picking up shapes from geometric shape peg board, to pick up stacking rings from ring stand based on size and enhance eye hand coordination activities.

Baby Lakshan

A 2 year old child with developmental delay, Baby Lakshan was referred from the Department of Pediatric Ophthalmology. At the centre, his functional vision was assessed and the toddler fixated at non-flickering illuminated toys at 20 cm distance under controlled room illumination.

He also fixated and followed non- flickering illuminated toys and shiny pim poms at 15 cm under normal room illumination. Understanding the need for immediate early intervention, visual perception therapy, the VEC team counselled the parents so they could accept their child's condition; continue to cooperate in the recommended therapies.





The child was given visual developmental therapy, visual perception skills, eye hand coordination, and physiotherapy at VEC regularly.

In physiotherapy, involuntary movements have been controlled. Muscle tightness was reduced, trunk stability was improved with hip extensors and neck control has been achieved with independent sitting. Currently, the baby is able to stand with walker support.

Baby Lakshan's parents felt that our services were the most family oriented support services they have encountered.

Baby Sahana

A 1-year old child with Microcephaly with developmental delay, Baby Sahana was referred from the Department of Pediatric Ophthalmology. We assessed her functional vision and the child was able to follow bright colored illuminated toys of > 2 inch size @ 40 cm under controlled room illumination. She also responded to bright glittering, toys and targets @ 20 cm under normal room illumination, preferring toys that made sounds.

Understanding the need for immediate early intervention and visual perception therapy, VEC team counselled the parents for accepting the condition of the child so the parents would cooperate with the recommended therapies. The child was given visual developmental therapy, visual perception skills, eye hand co-ordination, and physiotherapy at VEC regularly.



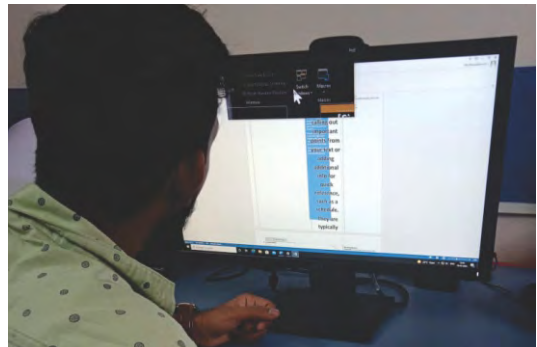
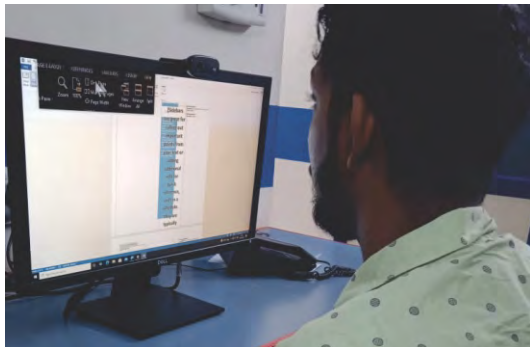


The family cooperation and support are remarkable in terms of attendance and involvement. Concept teaching activity such as picking beads from one bowl and dropping into another bowl, to pick up stacking rings from ring stand based on size with the support of examiner, maintaining eye contact, name call response and to give sounds like quac, aah, eah were improved.

In physiotherapy, muscle tightness was reduced when compared to first visit, balance and coordination has improved, sitting position has been achieved independently. Her parents were very thankful to have discovered this centre, which has given them hope to manage their child's condition.

Mr Mohammed Issam

A 24 year old male with Cone dystrophy, Mr Mohammed Issam was referred from the Low Vision Clinic to VEC for computer training and career guidance. On the first day, we introduced Mr. Issam to computer training program and its benefits. Inbuilt computer modifications were tried as a first step, the patient found it difficult to identify icons on the screen. The patient felt comfortable using magnifier options and learnt Microsoft Office and Google search options. At the end of the session, the patient successfully created and completed a power point presentation. In between the computer training sessions, patient had difficult in communicating in English, so he was referred to our Speech therapist. Before completing the training sessions, Mr. Issam got a job opportunity with the help of VEC team and attended three levels of interview. He is now working with the help of magnifier.



COMMUNITY SERVICE



COMMUNITY SERVICE

Our community care services helps the socially and economically disadvantaged to gain access to same quality of eye care that paying patients receive.

Patients enter the community care system through several projects such as eye screening camps for school children, adults, senior citizens, and camps conducted specifically by employers for their skilled and unskilled labour forces.

JASLOK Community Ophthalmic Centre



Spread over a sizable area, the Jaslok Community Ophthalmic Centre (JCOC) caters to a large number of walk-in patients, and serves as a referral base hospital to patients screened at the outdoor camps who are brought into the hospital, provided boarding, lodging and free treatment.

2022-2023



No of Free
Surgeries
15794



Free Surgeries Performed from 2022 - 2023





Mobile Eye Surgical Unit (MESU)



The main objective of the MESU project is to reach people in remote regions of India. Much of India's population living in rural areas are daily wage earners and have no access to basic eye care.

For these populations, traveling to the nearest eye care facility will involve:

- a) Expenses for the travel and stay in the city for themselves and an attendant;
- b) Loss of wages for the number of days that they are in the city; and
- c) Loss of wages for the attendant. Unable to bear such a financial burden, many of them continue to live with blindness — which could be preventable especially in the case of cataract.

These MESU units, jointly developed by Indian Institute of Technology (IIT), Madras and Sankara Nethralaya are the pioneer at delivering eye care in the villages. The MESU is a self-contained, safe and sterile surgical facility that can travel to remote locations and perform cataract surgery on-site.



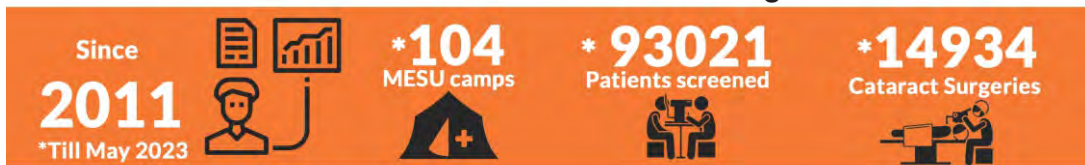
Locations Covered

Sankara Nethralaya deploys two MESU units — one in South India (Telengana, Andhra Pradesh, Tamil Nadu,) and another in Central India (Jharkhand). In Jharkhand, one extra vehicle dispenses on-the-spot prescription spectacles, as the rural hamlets are in inaccessible locations and the beneficiaries cannot travel to the urban areas easily.

The MESU project is the First and Only One of its kind to be given approval by the Ministry of Health and Family Welfare, Government of India, to continue operations.

Since 2012, the MESU project has screened over one lakh villagers and performed over 23,000 surgeries in remote villages.

Tamil Nadu, Andhra Pradesh, Telegana



Jharkhand



Department of Teleophthalmology

The Sankara Nethralaya teleophthalmology team conducted a Mega camp on 09 October 2022 at Manali and 06 November 2022 at Thiruvottiyur, which was sponsored by Corporate Social Responsibility arm of the Chennai Petroleum Corporation Limited (CPCL).



The
Teleophthalmology
team has performed
222 camps
screened **20396**
individuals



268 Retina

DRP **252**

8 Glaucoma

Cornea **65**

157 PCO

Occuloplasty **55**

175 Pterygium



Cataract **4003**

25 Neuro

Squint **44**

11214 Refractive Error

Spectacle Issued **11175**

1121 Tele Consultation



How we help

With camps organized by large businesses for the benefit of their employees and the residents surrounding their premises, many disadvantaged patients suffering from eye ailments are given a chance to regain their vision. Some of them are:



Mrs. Lakshmi

aged 55, came to the camp at Manali on 09.10.2022. She had a complaint of decreased distance vision since 6 months. Her husband passed away five years ago, and she is raising her two sons and one daughter by herself. Her daughter is working in a small shop earning less than Rs. 10,000 a month, while her sons are still in school.

Mrs. Lakshmi's right eye was operated on two years ago, now her best corrected visual acuity in the right eye is 6/7.5 and 3/60 for left eye, with near vision N6 for right eye and N24 for left eye. Cataract in the left eye cataract was diagnosed through slitlamp examination. She has been referred to the base hospital for cataract surgery in her left eye.



Mr. Dhanapal

55 years old came to the camp at Manali on 09.10.2022. He suffered from decreased distance vision in his right eye for the past one year. His wife, Smt. Selvi does household work, while his only son works in a godown and daughter is doing her B. com. Dhanapal himself is contracted with CPCI and earns upto Rs.15,000/- per month.

His best corrected visual acuity in right eye is 6/12 and 6/6 for the left eye, Near vision N6 for both eyes. A cataract in his right eye was diagnosed via slit lamp examination, and he was referred to the base hospital for cataract surgery on right eye.



Sri Arunachalam

The middle- aged wage earner, Sri Arunachalam came for the camp on 09th October 2022 at Manali Chennai complained of decrease in distance vision in right eye for the past 8 months. His wife is a stay-at-home mother, while his two sons, Jeevakumar and Pugazhendhi are also daily wage earners, bringing home around Rs. 5,000/- per month. Sri Arunachalam is 49 years old and only earns Rs. 10,000/- per month, which is hardly enough to maintain a family of four.

On being given a comprehensive eye exam, a cataract was diagnosed in the right eye and Sri Arunachalam was referred to the main hospital for a free of cost cataract surgery.



Sri Krishnan

aged 60 visited the teleophthalmology camp complaining of decreased distance vision in his right eye for the past one year. His wife, Mrs. Kaniammal, is a housewife and the couple has only one daughter - Smt. Uma, who is married.

The daily wage earner brings home around 2,000/- per month, and a cataract surgery is almost unattainable without Sankara Nethralaya's community care services.

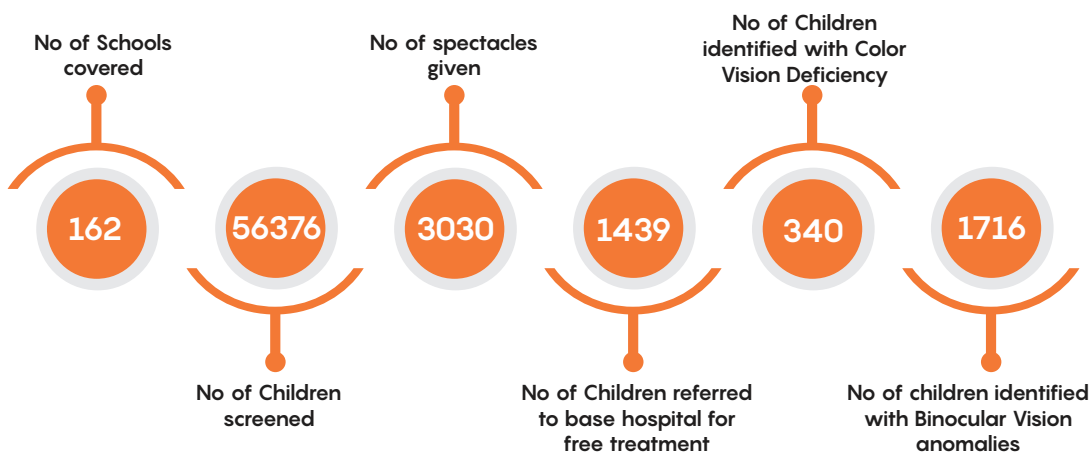
With a cataract diagnosed in left eye during the slit lamp examination, his family was relieved to understand that he could receive free of cost cataract surgery in his right eye.



Community Care Activities of The Elite School of Optometry

The school eye screening camps conducted by the Elite School of Optometry adheres to a comprehensive screening protocol. The students are imbued with the spirit of community service and are also exposed to various environments in which they screen patients. Comprehensive screening includes children's vision using Pocket Vision Screener, eye muscle (binocular vision assessments), external (anterior) eye examination using torch light, colour vision examination, refractive error measurements, spectacle dispensing and referral counselling.

Vision Screening — School Children



Vision Screening — Village (Adult)





Vision Screening — Old Age Home



Community Activities Highlights

In 2022 — 2023, we collaborated with our Corporate Social Responsibility partners such as Michelin Pvt Ld, Mission for Vision, Chennai Corporation, World Vision India, etc. to conduct vision screening for school children in Thiruvallur, Kanchipuram, Chennai, Thiruvannamalai, and Chengelpet district.

Police Girls & Boys Club

Vision Screening was organized by the Chennai Police in collaboration with ESO for the Police Girls & Boys Club from 03rd to 04th June 2022. Children from various Chennai neighbourhoods were brought to Rajarathinam stadium.

39 children received spectacles from this camp at a grand event held on 20th June at the Commissioner's office. DGP/Commissioner of Police, Thiru Shankar Jiwal, IPS, was the chief guest and presented the spectacles to the children.

Naikkenpet, Kanchipuram

Vision screening camp for children who belong to the Narikuravar community was conducted on 12th June 2022 at Naikkenpet in Kanchipuram district. Most of the children in the group do not receive formal schooling. 94 children were screened.

Teacher's Training – Mission Roshni Project

Vision Ambassador's Training and Awareness session was organized for teachers under the Mission Roshni Project. Dr. Anuradha, Principal, and Ms. Ambika, Community Optometrist, Elite School of Optometry were resource persons for this activity. Around 50 teachers from 16 schools participated.



Comprehensive Eye Screening In Rural — Adults

Every month, we have identified a village and conducted the Comprehensive eye screening for adults which are located in and around Chetpet, Thiruvannmalai district.

Eye screening protocol includes clinical procedures such as brief ocular, general and Covid-19 history, visual acuity and refractive error measurements, anterior and posterior segment evaluation, spectacle dispensing and counselling for referrals.





Sponsored Projects

Michelin-Comprehensive eye camp for school children

Duration-April 2022

Funded by Michelin India Private Limited



Mission Roshni

Duration August 2022 — March 2023

Funded by — Mission for Vision



Kannoli Kappom Thittam-Chennai Corporation-District Blindness Control Society

Duration-June 2022-April 2023

Funded by -SN USA





Comprehensive Eye care services for government School Children

Duration-January 2023-March 2023

Funded by-World Vision India



Comprehensive Eye screening for Adult (Village camp)

Duration-December 2022-January 2023

Funded by- Vision Rx India Private Limited



Ongoing Projects (As Of 31.03.23)

SNEHAM 2020

Duration-April 2022-March 2023

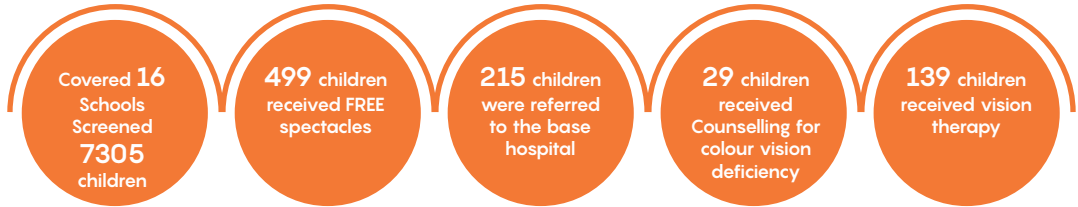




School Screening

Duration-April 2022-March 2023

Funded by-Individual donors through SN USA (per school)



Geriatric Outreach and Ocular Diagnosis (GOOD) Study

Comprehensive eye camp

Duration-July 2023-March 2023

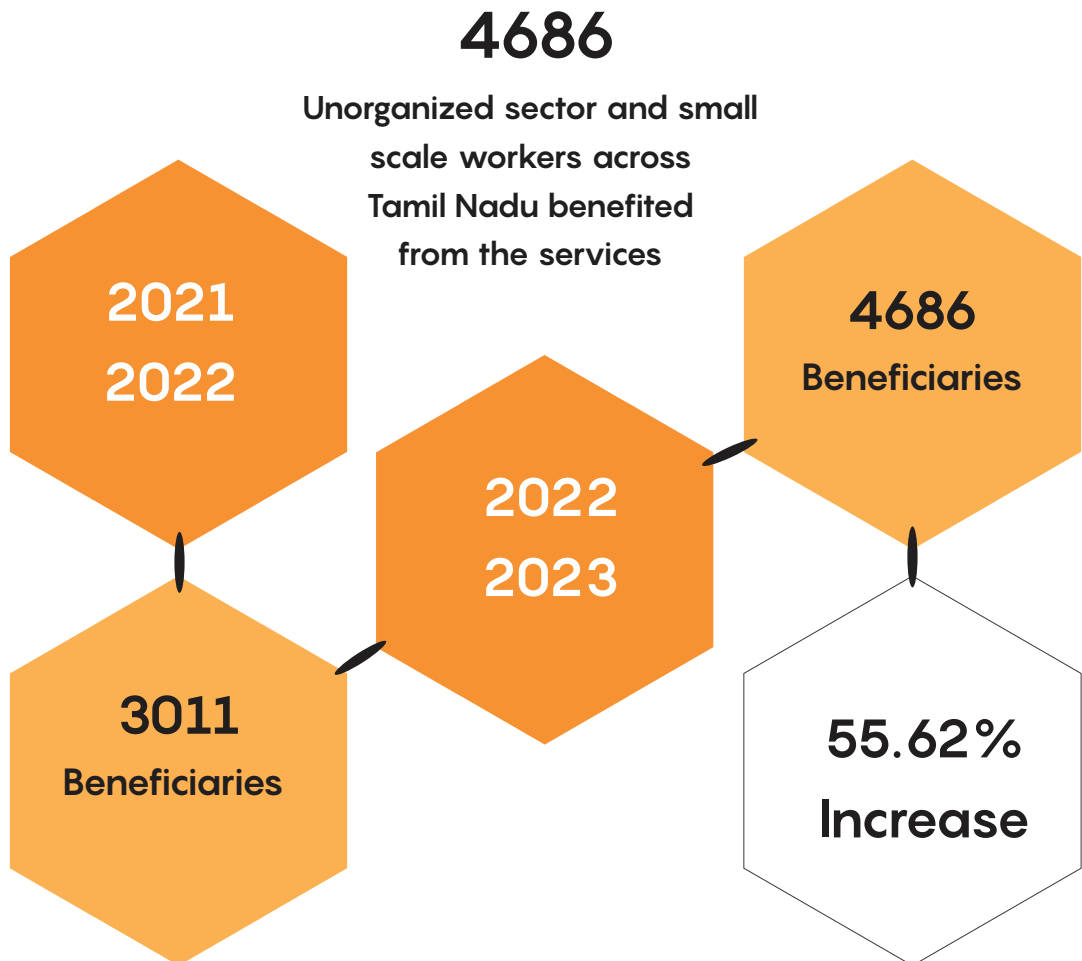




Occupational Optometry Services Community Activities

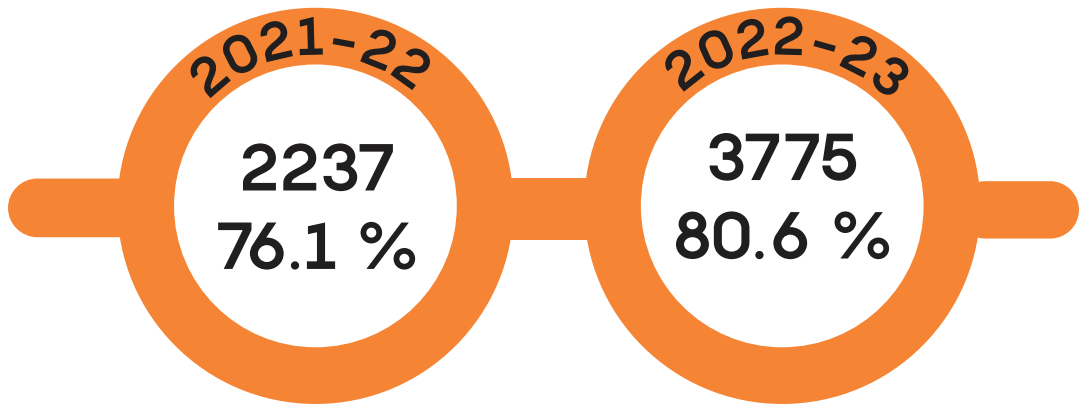
As the name implies, the Department of Occupational Optometry Services (OOS) concentrates on the efficient and safe visual functioning of an individual at work. With daily wage workers unable to take days to attend eye camps, they benefit from camps organized on site by the employer in association with OOS.

From labourers in small scale industries such as tailors, welders, toy makers, and housekeeping, to salt pan workers.





Spectacle Beneficiaries



314

workers from various hazardous occupations, benefited from Refractive Correction incorporated Safety eyewear

68.7 %

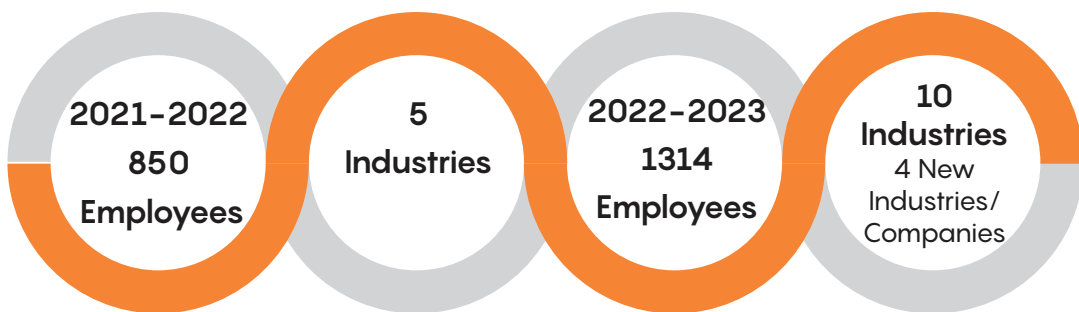
Increase from previous Year

17.6%

More than previous year

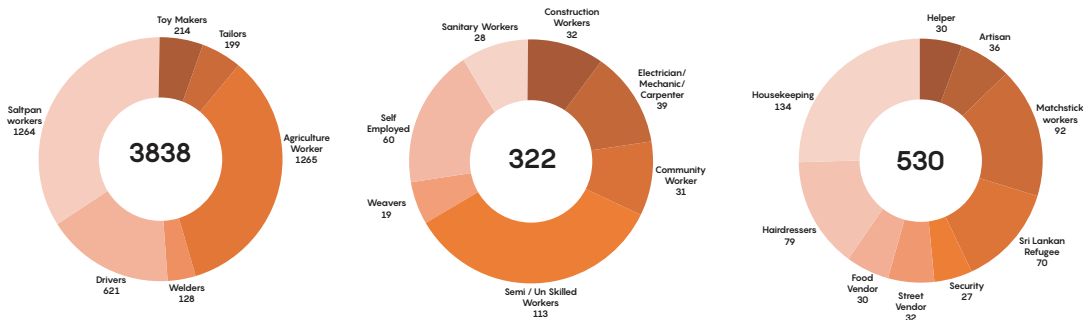


Industrial Sector Workers From 2022 To 2023



54.5% Employees examined than previous year

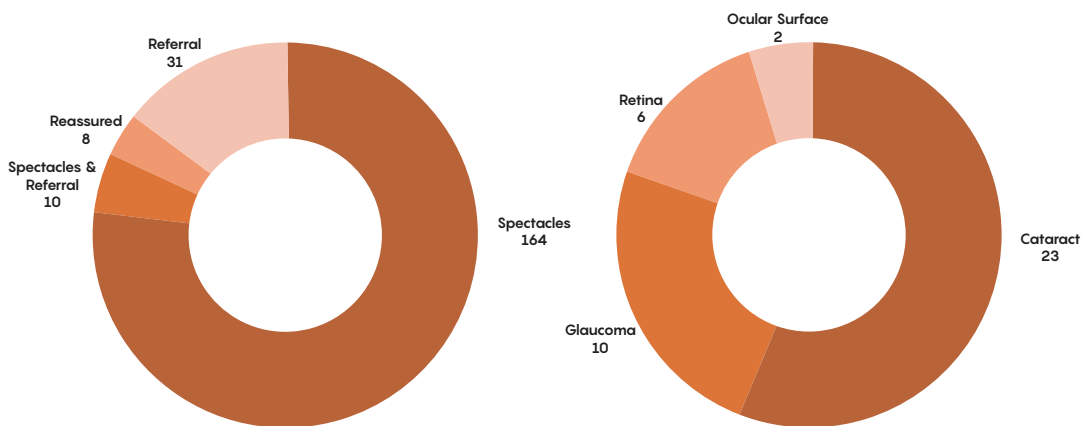
Unorganized Sector workers





Helping Small Scale Industry Workers See

Occupational Optometry Services was provided to 214 Wooden Toymakers and Silk Reelers of Channapatna, Ramnagara district in Karnataka with support from the Vidyaranya Kannada Kuta, IL from 5th and 6th, May 2022. The workers underwent comprehensive eye examination and 174 workers have been prescribed new spectacles and about 41 workers were referred for a further eye examination to the tertiary eye care center.



As part of the occupational safety and health awareness exercise, the Occupational Optometry team provided salt pan workers with spectacles equipped head band / spectacle rope that has to be attached with the spectacles, which will keep the spectacles from falling down during intense physical work.

Welders too face a highly hazardous task in terms of exposure to intense bright light and exposure to UV rays emitted from source. Most workers use only hand held face shields to protect their eyes from intense light and flying particles, which provide minimal protection from ocular injuries. The team incorporated safety wear with refractive correction and green filter that cuts down the UV and intense bright lights, which in turn improves efficiency at work with appropriate refractive correction.



Community Care Activities of The Sankara Nethralaya Academy

Department of Optometry

A unit of Medical Research Foundation, TSNA was established on January 25, 2010 with the blessings of His Holiness Jagadguru Sri Jayendra Saraswathi Swamigal of Kanchi Kamakoti Peetam. The prime focus of this educational facility is to foster the cooperation between the academic and hospital eye care community by imparting all-inclusive and extensive high quality training to our students.



RESEARCH ACTIVITIES



RESEARCH PUBLICATIONS

Sankara Nethralaya focuses on ophthalmic research to find solutions for prevailing and emerging eye care challenges. We have over 2000 peer-reviewed publications in national and international journals from our research and are one of the highest contributors to basic research in ophthalmology over the past 45 years.

INTERNATIONAL JOURNALS

- Dhiman R, Lakshmipathy M, Lakshmipathy D, K Lily T. **“Clinico-microbiological Profile of Nontuberculous Mycobacterial Keratitis”** J Ophthalmic Vis Res. 2022 Apr 29;17(2):160-169.
- Duraikkannu D, Akbar AB, Sudharshan S, Poongulali S, Kumarasamy N, Jayavelu T, Chatterjee N. **“Differential Expression of miRNA-192 is a Potential Biomarker for HIV Associated Immune Recovery Uveitis”** Ocul Immunol Inflamm. 2023 Apr;31(3):566-575.
- Ambika S, Patil PS, Noronha V, Arjundas D, Bhende M, Majumdar PD. **“Progressive Vision Loss and Cognitive Decline as Presenting Manifestation of Adult Onset Subacute Sclerosing Panencephalitis”** J Neuroophthalmol. 2022 Apr 27.
- Paul S, Srinivasan B, Iyer GK. **“Unilateral Conjunctivochalasis and larger diameter PROSE lens”** Clin Exp Optom. 2022 Apr;105(3):336-337.
- Pradhana D, Priya M N S, Surya J, Bhende M, Laxmi G, Sharma T, Raman R. **“Optical Coherence Tomography-Based Prevalence of Diabetic Macular Edema and its Associated Risk Factors in Urban South India: A Population-Based Study”** Ophthalmic Epidemiol. 2022 Apr;29(2):149-155.
- Srisubhat A, Kittrongsiri K, Sangroongruangsri S, Khemvaranan C, Shreibati JB, Ching J, Hernandez J, Tiwari R, Hersch F, Liu Y, Hanutsaha P, Ruamviboonsuk V, Turongkaravee S, Raman R, Ruamviboonsuk P. **“Cost-Utility Analysis of Deep Learning and Trained Human Graders for Diabetic Retinopathy Screening in a Nationwide Program”** Ophthalmol Ther. 2023 Apr;12(2):1339-1357.
- Dhaarani Jayaraman, Anjana Krishnan S R, Monicka Shree G, Parveen Sen, Kannan R, Preethi P, Febe Renjitha Suman, Julius Xavier Scott, Nataraj Palaniappan **“Hyphaema unmasking the underlying haemophilia-A”** Pediatr Blood Cancer. 2023 Apr;70(4):e30104.



- Agarwal S, Khan TA, Vanathi M, Srinivasan B, Iyer G, Tandon R. **“Update on diagnosis and management of refractory corneal infections”** Indian J Ophthalmol. 2022 May;70(5):1475-1490.
- Agarwal M, Patnaik G, Agarwal S, Iyer G, Anand AR, Ar G, Biswas J, Zierhut M. **“Tuberculous Scleritis and Multidrug Resistance”** Ocul Immunol Inflamm. 2022 May 19;30(4):915-924.
- Agarwal M, Radosavljevic A, Tyagi M, Pichi F, Al Dhanhani AA, Agarwal A, Cunningham ET Jr. **“Sympathetic Ophthalmia - An Overview”** Ocul Immunol Inflamm. 2023 May;31(4):793-809. Epub 2022 May 17
- Magesan K, Surya J, Sridharan S, Nair V, Agarwal M, Agarwal AE, Biswas J, Dutta Majumder P. **“Clinical Profile of Scleritis Presenting for the First Time in the Elderly”** Ocul Immunol Inflamm. 2023 May;31(4):696-700. Epub 2022 May 6.
- Iqbal A, Mahadevan R. **“Impact of Scleral Lens on Corneal Curvature and Pachymetry in Keratoconic Eyes”** Cornea. 2022 May 1;41(5):579-582.
- Agarwal M, Patnaik G, Khetan V, de-la-Torre A, **“Ocular Co-infection with Mycobacterium Tuberculosis and Toxoplasma Gondii in an Immunocompetent Patient - A Case Report”** Ocul Immunol Inflamm. 2022 May 19;30(4):1022-1026.
- Srinivasan S, Suresh S, Chendilnathan C, Prakash V J, Sivaprasad S, Rajalakshmi R, Anjana RM, Malik RA, Kulothungan V, Raman R, Bhende M. **“Inter-observer agreement in grading severity of diabetic retinopathy in wide-field fundus photographs”** Eye (Lond). 2023 Apr;37(6):1231-1235. Epub 2022 May 20.
- Agarwal M, Radosavljevic A, Patnaik G, Rishi E, Pichi F. **“Diagnostic Value of Optical Coherence Tomography in the Early Diagnosis of Macular Complications in Chronic Vogt-Koyanagi-Harada Disease”** Ocul Immunol Inflamm. 2022 May 19;30(4):801-808.
- Akila V, Ramkumar, M. Muthumeena Muthumalai, Sumita Agarkar, and Nirmala Subramaniam **“Localized orbital amyloidosis - A varied presentation”** Oman J Ophthalmol. 2022 Jun 29;15(2):240-242.
- Kumar PP, Shajahan T, Hussaindeen JR. **“Diagnostic accuracy of indigenously developed computer-based binocular vision assessment”** Oman J Ophthalmol. 2022 Jun 29;15(2):163-167.



- Vaidya H, Khetan V. **“Circumscribed choroidal hemangioma in a case of neurofibromatosis type 1”** Oman J Ophthalmol. 2022 Jun 29;15(2):243-244.
- Lopes BT, Padmanabhan P, Eliasy A, Zhang H, Abass A, Elsheikh A. **“In vivo Assessment of Localised Corneal Biomechanical Deterioration With Keratoconus Progression”** Front Bioeng Biotechnol. 2022 Jun 8;10:812507.
- Majumder PD, Moreker MR, Khadilkar SV, Bhosale B, Khetan V. **“A case of non-Hodgkin lymphoma diagnosed after 35-month of initial presentation as recurrent vitritis with multiple negative biopsies”** Oman J Ophthalmol. 2022 Jun 29;15(2):212-214.
- Magesan K, Patnaik G, Majumder PD, Biswas J. **“Clinical profile, treatment, and visual outcome of scleritis: A single ophthalmologist experience”** Oman J Ophthalmol. 2022 Jun 29;15(2):153-158.
- Cunningham ET, Moorthy RS, Agarwal M, Smit DP, Zierhut M. **“Ocular Complications Following COVID-19 Vaccination - Coincidence, Correlation, or Causation?”** Ocul Immunol Inflamm. 2022 Jul;30(5):1031-1034.
- Padmanabhan P. Cornea Classic: Spoerl et al, 2007, the **“Holy Grail of CXL”** Cornea. 2022 Jul 1;41(7):807-808.
- Srinivasan S, Sivaprasad S, Rajalakshmi R, Anjana RM, Malik RA, Kulothungan V, Natarajan V, Raman R, Bhende M. **“Early retinal functional alteration in relation to diabetes duration in patients with type 2 diabetes without diabetic retinopathy”** Sci Rep. 2022 Jul 6;12(1):11422.
- Kumar P P, Bhowmick A, Mahabale N, Hussaindeen JR, Ratra D. **“Diagnosis and Management of Post Traumatic Recurrent Unilateral Accommodative Spasm-A Case Report”** J Binocul Vis Ocul Motil. 2022 Jul-Sep;72(3):151-155.
- Muthumalai M, Alam MS, Shrirao N, Mahalakshmi B, Mukherjee B. **“A Case-Control Study to Determine the Microbiological Spectrum and Antibiotic Sensitivity Patterns in Congenital Nasolacrimal Duct Obstruction”** J Curr Ophthalmol. 2022 Jul 26;34(2):251-256.
- Sabanayagam C, Sultana R, Banu R, Rim T, Tham YC, Mohan S, Chee ML, Wang YX, Nangia V, Fujiwara K, Tai ES, Song SJ, Bikbov MM, Raman R, Cheng CY, Wong TY, Jonas JB. **“Association between body mass index and diabetic retinopathy in Asians: the Asian Eye Epidemiology Consortium (AEEC) study”** Br J Ophthalmol. 2022 Jul; 106(7):980-986.



- Padmanabhan P, Lopes BT, Eliasy A, Abass A, Elsheikh A. **“In Vivo Biomechanical Changes Associated With Keratoconus Progression”** *Curr Eye Res.* 2022 Jul;47(7):982-986.
- Khan R, Saha SK, Frost S, Kanagasingam Y, Raman R. **“The Longitudinal Assessment of Vascular Parameters of the Retina and Their Correlations with Systemic Characteristics in Type 2 Diabetes – A Pilot Study”** *Vision (Basel).* 2022 Jul 20;6(3):45.
- Sreenivasan J, Jain A, Kamalini PN, Janani MK, Biswas J. **“Polymerase chain reaction confirmed mycobacterium tuberculosis intermediate uveitis – analysis of 22 eyes of 14 cases from a tertiary care centre in South India: a retrospective study”** *J Ophthalmic Inflamm Infect.* 2022 Jul 11;12(1):23.
- Jain M, Narayanan R, Jana P, Mohamed A, Raman R, Verkicharla P, Padhy SK, Das AV, Chhablani J. **“Incidence, predictors and re-treatment outcomes of recurrent myopic choroidal neo-vascularization”** *PLoS One.* 2022 Jul 21;17(7):e0271342.
- Ferrand N, Accorinti M, Agarwal M, Spartalis C, Manni P, Stuebiger N, Zierhut M. **“COVID-19 Vaccination and Uveitis: Epidemiology, Clinical Features and Visual Prognosis”** *Ocul Immunol Inflamm.* 2022 Jul;30(5):1265-1273.
- Bassi ST. **“Re: Qian et al.: Papilledema due to vaccine-induced thrombocytopenia (Ophthalmology. 2022;129:190)”** *Ophthalmology.* 2022 Jul;129(7):e80.
- Palkar A, Sridharan S, George AE, Ganesh SK, Biswas J, Dutta Majumder P. **“Authors Reply to Letter to the Editor-In Response to Recurrences of Scleritis after Ocular Surgery”** *Ocul Immunol Inflamm.* 2022 Jul;30(5):1291.
- Tomar AS, Finger PT, Gallie B, Kivelä TT, Mallipatna A, Zhang C, Zhao J, Wilson MW, Brennan RC, Burges M, Kim J, Berry JL, Jubran R, Khetan V, Ganesan S, Yarovoy A, Yarovaya V, Kotova E, Volodin D, Yousef YA, Nummi K, Ushakova TL, Yugay OV, Polyakov VG, Ramirez-Ortiz MA, Esparza-Aguiar E, Chantada G, Schaiquevich P, Fandino A, Yam JC, Lau WW, Lam CP, Sharwood P, Moorthy S, Long QB, Essuman VA, Renner LA, Semenova E, Català-Mora J, Correa-Llano G, Carreras E; American Joint Committee on Cancer Ophthalmic Oncology Task Force. **“High-risk Pathologic Features Based on Presenting Findings in Advanced Intraocular Retinoblastoma: A Multicenter, International Data-Sharing American Joint Committee on Cancer Study”** *Ophthalmology.* 2022 Aug;129(8):923-932.



- Cunningham ET, Agarwal M. **“Professor Doctor Manfred Zierhut – Devoted Clinician, Researcher, and Educator (1953 to 2022)”** Ocul Immunol Inflamm. 2022 Aug;30(6):1297–1299.
- Vincent A, Natarajan V, Khetan V, Krishnakumar S, Parameswaran S. **“Retinoblastoma patient-derived stem cells—an in vivo model to study the role of RB1 in adipogenesis”** Histochem Cell Biol. 2022 Aug;158(2):181–192.
- Chattree S, Nair N, Patnaik G, Madhuravasal Krishnan J, Das D, Biswas J. **“Histopathology and Molecular Biology Study of an Eyeball of a Case of Acute Retinal Necrosis”** Ocul Immunol Inflamm. 2022 Aug;30(6):1471–1474.
- Kuziemy C, Hunter I, Udayasankaran JG, Ranatunga P, Kulatunga G, John S, John O, Flórez-Arango JF, Ito M, Ho K, Gogia SB, Araujo K, Rajput VK, Meijer WJ, Basu A. **“Telehealth as a Means of Enabling Health Equity”** Yearb Med Inform. 2022 Aug;31(1):60–66.
- Singh RB, Perepelkina T, Testi I, Young BK, Mirza T, Invernizzi A, Biswas J, Agarwal A. **“Imaging-based Assessment of Choriocapillaris: A Comprehensive Review”** Semin Ophthalmol. 2022 Aug 18:1–22.
- Tomar AS, Finger PT, Gallie B, Kivelä TT, Mallipatna A, Zhang C, Zhao J, Wilson MW, Brennan RC, Burges M, Kim J, Berry JL, Jubran R, Khetan V, Ganesan S, Yarovoy A, Yarovaya V, Kotova E, Volodin D, Yousef YA, Nummi K, Ushakova TL, Yugay OV, Polyakov VG, Ramirez-Ortiz MA, Esparza-Aguiar E, Chantada G, Schaiquevich P, Fandino A, Yam JC, Lau WW, Lam CP, Sharwood P, Moorthy S, Long QB, Essuman VA, Renner LA, Semenova E, Català-Mora J, Correa-Llano G, Carreras E; American Joint Committee on Cancer Ophthalmic **“Metastatic Death Based on Presenting Features and Treatment for Advanced Intraocular Retinoblastoma: A Multicenter Registry-Based Study”** Ophthalmology. 2022 Aug;129(8):923–932.
- Goh EJJ, Putera I, La Distia Nora R, Mahendradas P, Biswas J, Chee SP, Testi I, Pavesio CE, Curi ALL, Vasconcelos-Santos DV, Arora A, Gupta V, de-la-Torre A, Agrawal R. **“Ocular Toxoplasmosis”**. Ocul Immunol Inflamm. 2022 Sep 12:1–20.
- Sadhu S, Dutta Majumder P, Shah M, George R. **“Vogt-Koyanagi-Harada Disease in Pre-school Children”** Ocul Immunol Inflamm. 2022 Sep 9:1–4.



- Natarajan R, "Letter to the Editor-Regarding Cladorrhinum Keratitis", *Cornea*. 2022 Sep 1;41(9):e20.
- Amit C, Ghose V, Narayanan J, Padmanabhan P, Sathe G, Elchuri S. "Phosphoprotein network analysis of corneal epithelium of keratoconus patients". *Proteomics*. 2022 Sep;22(18):e2100416.
- Magesan K, Sachidanandam R, Verma A, Biswas J. "Retino-choroidal evaluation of the macular region in eyes with tubercular serpiginous-like choroiditis using swept-source optical coherence tomography angiography" *Int Ophthalmol*. 2022 Sep;42(9):2651-2664.
- Sharma HR, Walinjar JA, Sundaram N, Majumder PD. "Acute anterior uveitis with hyphema in ankylosing spondylitis" *Oman J Ophthalmol*. 2022 Sep 16;15(3):413-414.
- Pyare R, Dutta Majumder P, Shah M, Kaushik V, Agarwal M, Biswas J. "Tofacitinib in Scleritis: A Case Series" *Ocul Immunol Inflamm*. 2022 Sep 20:1-7.
- Gurnani B, Kaur K, Agarwal S, Lalgudi VG, Shekhawat NS, Venugopal A, Tripathy K, Srinivasan B, Iyer G, Gubert J. "Pythium insidiosum Keratitis: Past, Present, and Future" *Ophthalmol Ther*. 2022 Oct;11(5):1629-1653.
- Pandurangan K, Sachidanandam R, Sen P. "Structural and functional changes among diabetics with no diabetic retinopathy and mild non-proliferative diabetic retinopathy using swept-source optical coherence tomography angiography and photopic negative response" *Doc Ophthalmol*. 2022 Oct;145(2):113-125.
- Koka K, Alam MS, Halbe S, Jaisankar D, Mukherjee B. "Intermittent Manual Carotid Compression as a Treatment Option for Indirect Low Flow Carotid Cavernous Fistula" *Orbit*. 2022 Oct 26:1-8.
- Kumar RM, Badrinarayanan A, Iqbal A. "Unique Cases of Soft Prosthetic Type B Contact Lenses: A Case Series" *Asia Pac J Ophthalmol (Phila)*. 2022 Oct 24.
- Alagappan LP, Ramaswamy Y, Sundaramoorthy DK, Bhaskar J, Sarangapani S, Sen P, Raman R, Bhende M, Mathavan S. "Association of HERPUD1 genetic variant rs2217332 with age-related macular degeneration and polypoidal choroidal vasculopathy in an Indian cohort" *Graefes Arch Clin Exp Ophthalmol*. 2023 Apr;261(4):1205-1212. Epub 2022 Oct 12.



- Susarla G, Rizza AN, Li A, Han S, Khan R, Chan W, Lains I, Apivatthakakul A, Brustoski K, Khetan V, Raman R, Igo RP Jr, Iyengar SK, Mathavan S, Sobrin L. **“Younger Age and Albuminuria are Associated with Proliferative Diabetic Retinopathy and Diabetic Macular Edema in the South Indian GeNETics of DiABeTic Retinopathy (SIGNATR) Study”** *Curr Eye Res.* 2022 Oct;47(10):1389–1396.
- Gunasekeran DV, Zheng F, Lim GYS, Chong CCY, Zhang S, Ng WY, Keel S, Xiang Y, Park KH, Park SJ, Chandra A, Wu L, Campbel JP, Lee AY, Keane PA, Denniston A, Lam DSC, Fung AT, Chan PRV, Sadda SR, Loewenstein A, Grzybowski A, Fong KCS, Wu WC, Bachmann LM, Zhang X, Yam JC, Cheung CY, Pongsachareonnont P, Ruamviboonsuk P, Raman R, Sakamoto T, Habash R, Girard M, Milea D, Ang M, Tan GSW, Schmetterer L, Cheng CY, Lamoureux E, Lin H, van Wijngaarden P, Wong TY, Ting DSW. **“Acceptance and Perception of Artificial Intelligence Usability in Eye Care (APPRAISE) for Ophthalmologists: A Multinational Perspective”** *Front Med (Lausanne).* 2022 Oct 13;9:875242
- Padmanabhan P, Lopes BT, Eliasy A, Abass A, Vinciguerra R, Vinciguerra P, Ambrósio R Jr, Elsheikh A. **“Evaluation of corneal biomechanical behavior in vivo for healthy and keratoconic eyes using the stress–strain index”** *J Cataract Refract Surg.* 2022 Oct 1;48(10):1162–1167.
- Srinivasan R, Surya J, Ruamviboonsuk P, Chotcomwongse P, Raman R. **“Influence of Different Types of Retinal Cameras on the Performance of Deep Learning Algorithms in Diabetic Retinopathy Screening”** *Life (Basel).* 2022 Oct 15;12(10):1610.
- Fenwick EK, Lim B, Man REK, Baskaran M, Nongpiur ME, Sng CCA, Iyer JV, Husain R, Perera SA, Wong TT, Low JR, Shimin OH, Lun K, Aung T, Lamoureux EL. **“The development of a glaucoma–specific health–related quality of life item bank supporting a novel computerized adaptive testing system in Asia”** *J Patient Rep Outcomes.* 2022 Oct 11;6(1):107.
- John S, Srinivasan S, Ram K, Sivaprakasam M, Natarajan S. **“Efficacy of an Automated Algorithm for Screening Diabetic Retinopathy in Gradable and Ungradable Images in Real-Time Conditions”** *Telemed J E Health.* 2023 Jun;29(6):896–902. Epub 2022 Oct 12.
- Alam MS, Shrirao N. **“Clinical Spectrum and Management Outcome of Ocular and Adnexal Rhinosporidiosis”** *J Curr Ophthalmol.* 2022 Nov 30;34(3):341–346.



- Ganesh SK, Ahmed AS. **"Uveitis masquerade syndromes: A case series"** Oman J Ophthalmol. 2022 Nov 2;15(3):353-355.
- Nikhalashree S, George R, Shantha B, Vijaya L, Sulochana KN, Coral K. **"Anti-glaucoma medications lowered decorin and altered profibrotic proteins in human tenon's fibroblasts"** Exp Eye Res. 2022 Nov;224:109199.
- Malekar R, Koka K. **"A sporadic case of orbital grease gun granuloma"** Oman J Ophthalmol. 2022 Nov 2;15(3):419-420.
- Sureshkumar I, Gunalan V, Nareshkumar RN, Sripriya K, Ronnie G, Sharada R, Asokan R. **"Evaluating the impact of ocular UV exposure for the development for pseudoexfoliation syndrome in a South Indian population"** Clin Exp Optom. 2022 Nov 14:1-7.
- Sivaraman BM, Majumder PD, Mahendradas P, Somanath A, Pyare R, Patil A. **"Current concepts in granulomatosis poly angiitis and the eye"** Curr Opin Ophthalmol. 2022 Nov 1;33(6):564-573.
- Agarwal M, Sachdeva M, Shah S, Raman R, Rani PK, Rajalakshmi R, Sivaprasad S, Vignesh TP, Ramasamy K, Madharia A, Sen A, Sugumar S, Behera UC, Rodrigues AM, Anantharaman G, Priya S, Majumdar A; India Retinal Disease Study group. **"Correlating the patterns of diabetic macular edema, optical coherence tomography biomarkers and grade of diabetic retinopathy with stage of renal disease"** Int Ophthalmol. 2022 Nov;42(11):3333-3343.
- Mohan S, Ratra D. **"Intravitreal Implants"** StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2022 Nov 30.
- Alam MS, Backiavathy V, Noronha V, Mukherjee B. **"Orbital abscess: 20 years' experience at a tertiary eye care center"** Orbit. 2022 Dec;41(6):751-758.
- Grewal DS, Agarwal M, Munk MR. **"Wide Field Optical Coherence Tomography and Optical Coherence Tomography Angiography in Uveitis"** Ocul Immunol Inflamm. 2022 Dec 19:1-11.
- Gopalakrishnan A, Hussaindeen JR, Chaudhary R, Ramakrishnan B, Arunachalam S, Balakrishnan AC, Deepika Sri J S, Sahoo M, Robin S, Varsaharinya M Vishnupriya S, Narayanan A. **"Results of the School Children Ocular Biometry and Refractive Error Study in South India"** Turk J Ophthalmol. 2022 Dec 28;52(6):412-420.



- Wei X, Roy R, Saurabh K, Sen P, Bhende M, Shelke K, Finocchio L, Sodi A, Virgili G, Invernizzi A, Salvetti AP, Mishra C, Agrawal R. **“Optical Coherence Tomography–Based Choroidal Structural Analysis and Vascularity Index in Best Vitelliform Macular Dystrophy”** *Ophthalmol Ther.* 2022 Dec;11(6):2141–2152
- Raman R, Vasconcelos JC, Rajalakshmi R, Prevost AT, Ramasamy K, Mohan V, Mohan D, Rani PK, Conroy D, Das T, Sivaprasad S; SMART India Study Collaborators. **“Prevalence of diabetic retinopathy in India stratified by known and undiagnosed diabetes, urban–rural locations, and socioeconomic indices: results from the SMART India population–based cross–sectional screening study”** *Lancet Glob Health.* 2022 Dec;10(12):e1764–e1773.
- Vyas A, Raman S, Surya J, Sen S, Raman R. **“The Need for Artificial Intelligence Based Risk Factor Analysis for Age–Related Macular Degeneration: A Review”** *Diagnostics (Basel).* 2022 Dec 30;13(1):130.
- Balakrishnan AC, Badrinarayanan A, Iqbal A. **“Masking the Red Reflex of Flash Photography With Prosthetic Lenses”** *Eye Contact Lens.* 2022 Dec 1;48(12):537–539.
- Poonam NS, Agarkar S. **“Single–stage orbital decompression, strabismus and eyelid surgery in moderate to severe thyroid associated orbitopathy.”** *Orbit.* 2022 Dec;41(6):815.
- Ambrósio R Jr, Machado AP, Leão E, Lyra JMG, Salomão MQ, Esporcatte LGP, da Fonseca Filho JBR, Ferreira–Meneses E, Sena NB Jr, Haddad JS, Costa Neto A, de Almeida GC Jr, Roberts CJ, Elsheikh A, Vinciguerra R, Vinciguerra P, Bühren J, Kohnen T, Kezirian GM, Hafezi F, Hafezi NL, Torres–Netto EA, Lu N, Kang DSY, Kermani O, Koh S, Padmanabhan P, Taneri S, Trattler W, Gualdi L, Salgado–Borges J, Faria–Correia F, Flockerzi E, Seitz B, Jhanji V, Chan TCY, Baptista PM, Reinsteinst DZ, Archer TJ, Rocha KM, Waring GO 4th, Krueger RR, Dupps WJ, Khoramnia R, Hashemi H, Asgari S, Momeni–Moghaddam H, Zarei–Ghanavati S, Shetty R, Khamar P, Belin MW, Lopes BT. **“Optimized Artificial Intelligence for Enhanced Ectasia Detection Using Scheimpflug–Based Corneal Tomography and Biomechanical Data”** *Am J Ophthalmol.* 2023 Jul;251:126–142. Epub 2022 Dec 19.



- Sadhu S, Balaji JJ, Srinivasan B. **"A comprehensive ocular profile using multimodal imaging systems and surgical outcome in a patient with Alport syndrome"** Oman J Ophthalmol. 2022 Dec 26;16(1):182-184.
- Cao B, Gonugunta VT, Radhakrishnan N, Lalitha P, Gurnani B, Kaur K, Iyer G, Agarwal S, Srinivasan B, Keenan JD, Prajna NV. **"Outcomes of Pythium keratitis: a meta-analysis of individual patient data"** Curr Ophthalmol Rep. 2022 Dec;10(4):198-208.
- Titiyal JS, Basak SK, Shetty N, Mathur U, Padmanabhan P, Ganesh S, Dey A, Ramamurthy D. **"Twelve-Months Follow-Up Postmarket Study of a Hydrophobic Intraocular Lens Using a Preloaded Automated Injector in an Indian Population"** Clin Ophthalmol. 2022 Dec 16;16:4215-4225.
- Gopalakrishnan S, Paramasivan G, Sathyaprasath M, Raman R. **"Preference of low vision devices in patients with central field loss and peripheral field loss"** Saudi J Ophthalmol. 2021 Oct-Dec; 35(4): 286—292.
- Dutta Majumder P, Mochizuki M, González-López JJ, Gonzales J, Sharma M, Sharma K, Biswas J. **"Laboratory Investigations in Infectious Uveitis"**. Ocul Immunol Inflamm. 2023 Jan 25:1-11.
- Gopalakrishnan A, Hussaindeen JR, Sivaraman V, Swaminathan M, Wong YL, Armitage JA, Gentle A, Backhouse S. **"Myopia and Its Association with Near Work, Outdoor Time, and Housing Type among Schoolchildren in South India"** Optom Vis Sci. 2023 Jan 1;100(1):105-110.
- Badrinarayanan L, Nagarajan H, Rishi P, Rishi E, George RJ, Chitipothu S. **"Whole genome sequencing unravels novel genetic determinants and regulatory pathways associated with triamcinolone acetonide-induced ocular hypertension"** Mol Genet Genomics. 2023 Jan;298(1):13-26.
- Jeyalatha MV, Vetrivel U, Harinee R, Lakshmipathy D, Ganesan S, Biswas J, Anand AR. **"Draft Genome Sequence of Mycobacterium tuberculosis Strain SNMICRO 2047-20, Isolated from Intraocular Infection"** Microbiol Resour Announc. 2023 Jan 24;12(1):e0079122.
- Dammacco R, Biswas J, Mohanan-Earatt A, Lisch W, Zito FA, Rubini G, Manno C, Cicco S, Alessio G, Dammacco F. **"The eye is a common site of granulomatosis with polyangiitis. A collaborative study"** BMC Ophthalmol. 2023 Jan 18;23(1):26.



- Hutchings KR, Fritzhand SJ, Esmaeli B, Koka K, Zhao J, Ahmed S, Debnam JM. **“Graves’ Eye Disease: Clinical and Radiological Diagnosis”** Biomedicines. 2023 Jan 22;11(2):312.
- Sen P, Manayath G, Shroff D, Salloju V, Dhar P. **“Polypoidal Choroidal Vasculopathy: An Update on Diagnosis and Treatment”** Clin Ophthalmol. 2023 Jan 5;17:53-70.
- Srinivasan R, Roy K, Mahesh M, Surya J, Raman R. **“Anatomical and Functional Outcomes in Delayed Onset versus Concurrent Retinal Detachment in Endophthalmitis”** Clin Ophthalmol. 2023 Jan 7;17:115-121.
- Lee S, Heisler M, Ratra D, Ratra V, Mackenzie PJ, Sarunic MV, Beg MF. **“Effects of Myopia and Glaucoma on the Neural Canal and Lamina Cribrosa Using Optical Coherence Tomography”** J Glaucoma. 2023 Jan 1;32(1):48-56.
- Mohan S, Suresh S. **“Bilateral Tapetal Reflex in a 12-Year-Old Girl”** JAMA Ophthalmol. 2023 Jan 1;141(1):e225106.
- Manoharan A, Mohan S, Raman R, Biswas J. **“Intravitreal Anti-Vascular Endothelial Growth Factor and Moxifloxacin for Treatment of Tubercular Choroidal Granuloma and Sub retinal Abscess”** Ocul Immunol Inflamm. 2023 Jan 13:1-5.
- Manoharan A, Agarwal A, Dutta Majumder P. **“Acute Retinal Necrosis: A Covid-19 Perspective”** Ocul Immunol Inflamm. 2023 Jan 13:1-3.
- Padmanabhan P, Elsheikh A. **“Keratoconus: A Biomechanical Perspective”** Curr Eye Res. 2023 Feb;48(2):121-129.
- Panicker GJ, Nair A K P, Agarkar S, Nisar SP, Joseph LD. **“Orbital leiomyoma presenting as inverse globe retraction syndrome: a unique presentation of a rare disease”** J AAPOS. 2023 Apr;27(2):105-107. Epub 2023 Feb 3.
- Shah PN, Mishra DK, Shanmugam MP, Agarwal M, Susvar P, Sen AC, Ramanjulu R, Dave V, Saravanan V, Kannan N, Sinha T, Sindal MD, Singh SR, Rajanna MK, Ayachit AG, Maitray A, Yadav NK, Balakrishnan D, Nigam E, Narula R, Khadar SMA, Atri N, Mittal S, Murthy H, Mahalingam PS, Pillai GS, Nagpal M, Walinjar J, Gupta V, Kothari A; VRSI Study Group. **“Incidence of post vitrectomy endophthalmitis in India - A multicentric study by VRSI study Group”** Eye (Lond). 2023 Feb 8.
- Singh P, Koka K, Alam MS, Mukherjee B. **“Management of Marcus Gunn jaw wink syndrome with tarsofrontalis sling vis a vis levator excision and frontalis sling: a comparative study”** Orbit. 2023 Feb;42(1):52-58.



- Raman R, Rao C, Ruamviboonsuk P, Huang S, Sharma T. **“Single-use versus reuse of instruments in ophthalmic surgery”** Eye (Lond). 2023 Feb 8.
- Dutta Majumder P, Agarwal A. **“Acute Macular Neuroretinopathy and Paracentral Acute Middle Maculopathy during SARS-CoV-2 Infection and Vaccination”** Vaccines (Basel). 2023 Feb 17;11(2):474.
- Ozdek S, Ucgul AY, Hartnett ME, Akdogan M, Sen P, Bhende M, Besirli CG, Karacorlu M, Dedania V, Parolini B, Mittal S, Banker A, El Rayes E, Tawfik M, Wu WC, Attiku Y, Hansen E, Portney D, Sarvaiya C, Sahin O, Ozdemir HB, Gurelik G. **“Combined Hamartoma of the Retina and Retinal Pigment Epithelium at Pediatric Age: Surgical Versus Conservative Approach”** Orbit. 2023 Feb;42(1):30-41.
- Gopalakrishnan S, Negiloni K, Suganthan RV, Velu S, Raman R. **“Low-vision intervention for oculocutaneous albinism in a Tertiary Eye Care Hospital in India”** Saudi J Ophthalmol. 2023 Mar 9;37(1):38-42.
- Lakshmi pathy D, Appakudal Ramaswamy A, Maharajan HRP, Anand RM, Thangam A, Santharaj RK. **“Molecular detection and identification of fungal pathogens infections occurring in COVID-19 recovered patients”** Virus disease. 2023 Mar;34(1):88-91.
- Ng SMS, Low R, Pak C, Lai S, Lee B, McCluskey P, Symes R, Invernizzi A, Tsui E, Sitaula RK, Kharel M, Khatri A, Utami AN, La Distia Nora R, Putera I, Sen A, Agarwal M, Mahendradas P, Biswas J, Pavesio C, Cimino L, Sobrin L, Kempen JH, Gupta V, Agrawal R; OASIS Study Group. **“The role of a multicentre data repository in ocular inflammation: The Ocular Autoimmune Systemic Inflammatory Infectious Study (OASIS)”** Eye (Lond). 2023 Mar 14.
- Dutta P, Atiya A, Vittal S, Hussaindeen JR. **“Reading Difficulty Due to Oculomotor Dysfunction following Mild Traumatic Brain Injury: A Case Report”** J Binocul Vis Ocul Motil. 2023 Jan-Mar;73(1):15-20.



NATIONAL JOURNALS

- Dutta Majumder P. **“Endogenous fungal endophthalmitis in COVID-19 patients: An unexplored possibility”** Indian J Ophthalmol. 2022 Apr;70(4):1083-1085.
- Gurnani B, Kaur K, Venugopal A, Srinivasan B, Bagga B, Iyer G, Christy J, Prajna L, Vanathi M, Garg P, Narayana S, Agarwal S, Sahu S. **“Pythium insidiosum keratitis – A review”** Indian J Ophthalmol. 2022 Apr;70(4):1107-1120.
- Ratra D, Mohan S. **“Commentary: Glaucoma drainage device and retinal detachment”** Indian J Ophthalmol. 2022 Apr;70(4):1293-1294.
- Raman R, Rajan M, Natarajan S, Biswas J. **“A living legend with an extraordinary vision who changed the perspective of ophthalmology in India – Padma Bhushan Dr. Sengamedu Srinivasa Badrinath”** Indian J Ophthalmol. 2022 Apr;70(4):1080-1082.
- Srinivasan B, Iyer G, Agarwal S. **“Commentary: Tackling the “silent epidemic”** Indian J Ophthalmol. 2022 Apr;70(4):1195-1196.
- Sen P, Bamel A. **“Commentary: Deep learning in retinopathy of prematurity: Where do we stand?”** Indian J Ophthalmol. 2022 Apr;70(4):1279.
- Biswas J, Shah M. **“Commentary: Diagnostic challenges in sarcoid uveitis in India”** Indian J Ophthalmol. 2022 Apr;70(4):1130.
- Ravichandran S, Natarajan R. **“Fine-needle diathermy for corneal vascularisation”** Indian J Ophthalmol. 2022 May;70(5):1868.
- Mahesh M, Pauly M, Krishna SM, Raman M, Biswas J. **“Clinicopathological study of parasitic lesions of the eye and ocular adnexa in a tertiary care ophthalmic center in South India”** Indian J Ophthalmol. 2022 May;70(5):1713-1717.
- Biswas J, Nallagula U. **“Commentary: Epidemiological study in uveitis – Does it help?”** Indian J Ophthalmol. 2022 May;70(5):1648-1649.
- Dutta Majumder P, Prakash VJ. **“Retinal venous occlusion following COVID-19 vaccination: Report of a case after third dose and review of the literature”** Indian J Ophthalmol. 2022 Jun;70(6):2191-2194.



- Mohan S, Chawla G, Surya J, Raman R. **“Response to comment on: Intravitreal anti-vascular endothelial growth factor with and without topical non-steroidal anti-inflammatory in centre-involving diabetic macular edema”** Indian J Ophthalmol. 2022 Jun;70(6):2209.
- Natarajan R, Priyanka MT, Krishnamoorthy S. **“Countering choroid prolapse in corneo scleral repair”** Indian J Ophthalmol. 2022 Jun;70(6):2210.
- Backiavathy V, Pal S, Poonam NS, Subramanian N. **“The undesirable wink”** Indian J Ophthalmol. 2022 Jun;70(6):2211.
- Rajagopal R, Priyanka TM. **“Response to comment on: Stromal rejection in penetrating keratoplasty following COVID-19 vector vaccine (Covishield): A case report and review of literature”** Indian J Ophthalmol. 2022 Jun;70(6):2207.
- Mohan S, Dhanurekha L, Janani MK, Biswas J. **“Correlation of quantitative polymerase chain reaction with clinical characteristics of patients with viral retinitis”** Indian J Ophthalmol. 2022 Jun;70(6):2090-2093.
- Alam MS, Pal SS, Krishnakumar S. **“Clinical and histopathological profile of primary caruncular lesions”** Indian J Ophthalmol. 2022 Jun;70(6):1975-1981.
- Ratra D, Ozdek S, Raviselvan M, Elchuri S, Sharma T. **“Approach to inherited retinal diseases”** Indian J Ophthalmol. 2022 Jul;70(7):2305-2315.
- Ganesh SK, Mistry S, Nair N. **“Role of Swept source optical coherence tomography in management of acute Vogt-Koyanagi-Harada's disease”** Indian J Ophthalmol. 2022 Jul;70(7):2458-2463.
- Ratra D, Chattree S, Raviselvan M, Pradhan A, Giridhar S. **“Structural and functional phenotypic features and molecular analysis of Indian patients with Bietti crystalline dystrophy”** Indian J Ophthalmol. 2022 Jul;70(7):2526-2532.
- Rajagopal R, Bandodkar N, Mukundan D. **“A rare case of bilateral granular corneal dystrophy with keratoconus and primary angle closure glaucoma”** Indian J Ophthalmol. 2022 Jul;70(7):2766
- Lakshmiopathy M, Agarwal M, Agarwal M, Palanciappan N. **“Bilateral Pseudomonas aeruginosa keratitis as presenting feature in an infant of cystic fibrosis”** Indian J Ophthalmol. 2022 Jul;70(7):2641-2643.



- Nadig RR, Kashyap H, Loganathan MP, Bhende M. **"Effect of combined laser and anti-vascular endothelial growth factor in a retinal capillary macroaneurysm"** Indian J Ophthalmol. 2022 Jul;70(7):2712-2713.
- Biswas J, Pradhan A. **"Commentary: Ocular lesions in leprosy – Should we forget?"** Indian J Ophthalmol. 2022 Jul;70(7):2673-2674.
- Sen P, Sreenivasan J. **"Commentary: Familial exudative vitreoretinopathy-The masquerade in pediatric retinal disorders"** Indian J Ophthalmol. 2022 Jul;70(7):2496-2497.
- Anand AR, Harinee R, Jeyalatha MV, Poonam NS, Therese KL, Rajeshwari H, Narasimhan L, Gopinath R. **"Microbiological profile of canaliculitis and their antibiotic susceptibility patterns: A 11-year review at a referral eye care centre"** Indian J Med Microbiol. 2022 Jul-Sep;40(3):378-383.
- Pradhan A, Raman M, Biswas J. **"Polymerase chain reaction: A novel way to detect ocular dirofilariasis"** Indian J Ophthalmol. 2022 Jul;70(7):2620-2621.
- Mohan S, Subramanian K, Khetan V. **"Retinoblastoma tumour cells in central retinal vessels"** Indian J Ophthalmol. 2022 Jul;70(7):2773.
- Battu R, Ratra D, Gopal L. **"Newer therapeutic options for inherited retinal diseases: Gene and cell replacement therapy"** Indian J Ophthalmol. 2022 Jul;70(7):2316-2325.
- Ramdoss J, Jain A, Thejesvi GN, Biswas J. **"Prevalence, clinical profile, investigations, and visual outcome of sarcoid intermediate uveitis in a tertiary eye care center in South India"** Indian J Ophthalmol. 2022 Jul;70(7):2454-2457.
- Sen P, Pradhana D. **"Commentary: Care for retinopathy of prematurity in the COVID-19 era: When the going gets tough, the tough get going"** Indian J Ophthalmol. 2022 Jul;70(7):2485.
- Rajagopal R, Matai HD, Gopal L, Susvar P, Bhende PS. **"Anterior staphyloma repair following trauma and surgery – A retrospective review of techniques and outcomes over 25 years"** Indian J Ophthalmol. 2022 Aug;70(8):2967-2971.
- Mahalingam M, Sachidanandam R, Verma A, Alagorie AR, Sen P. **"Choriocapillaris flow deficits in polypoidal choroidal vasculopathy using swept source optical coherence tomography angiography"** Indian J Ophthalmol. 2022 Aug;70(8):3002-3007.



- Bhende P, Kashyap H, Nadig RR. **“Surgical management of complicated retinal detachment in a case of retinal hemangioblastoma”** Indian J Ophthalmol. 2022 Aug;70(8):3167.
- Ratra D. **“Commentary: Internal audit for assessment and improvement of quality of medical records”** Indian J Ophthalmol. 2022 Aug;70(8):2966.
- Patil TS, Mani B, Balekudaru S, George RJ, Lingam V. **“Effect of immediate shallow anterior chamber after Ahmed glaucoma valve implantation on intermediate-term intraocular pressure control”** Indian J Ophthalmol. 2022 Aug;70(8):2915–2921.
- Kelkar AS, Kelkar J, Bhende P, Narayanan R, Maiti A, Bolisetty M, Singhvi P. **“Preferred practice patterns in aphakia management in adults in India: A survey”** Indian J Ophthalmol. 2022 Aug;70(8):2855–2860.
- Natarajan R, Matai HD, Raman S, Kumar S, Ravichandran S, Swaminathan S, Rani Alex JS. **“Advances in the diagnosis of herpes simplex stromal necrotising keratitis: A feasibility study on deep learning approach”** Indian J Ophthalmol. 2022 Sep;70(9):3279–3283.
- Ambika S, Lakshmi KP, Gopal M, Noronha OV. **“Visual outcomes of toxic optic neuropathy secondary to Ethambutol: A retrospective observational study from India, an endemic country”** Indian J Ophthalmol. 2022 Sep;70(9):3388–3392.
- Ganesh N, Alam MS, George RJ, Balekudaru S, Vijaya L. **“Outcomes of medical and surgical management in eyes with idiopathic elevated episcleral venous pressure”** Indian J Ophthalmol. 2022 Sep;70(9):3316–3319.
- Cherian J, Giridhar A, Sivaprasad S, Rajalakshmi R, Raman R, Khan R, Prakash N, Rodrigues AM. **“Predominant peripheral lesions in patients with diabetic retinopathy and its association with systemic comorbidities”** Indian J Ophthalmol. 2022 Sep;70(9):3316–3319.
- Venkatesh R, Sharief S, Thadani A, Ratra D, Mohan S, Narayanan R, Narula R, Asad Y, Roy R, Jayadev C, Yadav NK. **“Recommendations for management of peripheral retinal degenerations”** Indian J Ophthalmol. 2022 Oct;70(10):3681–3686.
- Varma S, Mohan S, Ratra D, Nadig RR, Kashyap H. **“Scleral cut-down technique of subretinal fluid drainage in scleral buckle surgery for rhegmatogenous retinal detachment”** Indian J Ophthalmol. 2022 Oct;70(10):3746.



- Ravichandran S, Natarajan R. **“Response to comments on: Fine needle diathermy for corneal vascularization”** Indian J Ophthalmol. 2022 Oct;70(10):3741.
- Agarwal S, Srinivasan B, Harwani AA, Fogla R, Iyer G. **“Perioperative nuances of cataract surgery in ocular surface disorders”** Indian J Ophthalmol. 2022 Oct;70(10):3455-3464.
- Nangia P, Prakash VJ, Dutta Majumder P. **“Retinal venous occlusion in a child following Corbevax COVID-19 vaccination”** Indian J Ophthalmol. 2022 Oct;70(10):3713-3715.
- Dhama A, Biswas RK, Dogra M, Singh R, Mittal S, Ratra D. **“Comparison of three techniques of harvesting full-thickness retinal tissue for large or persistent macular holes”** Indian J Ophthalmol. 2022 Oct;70(10):3610-3616.
- Balekudaru S, Shah D, Lingam V, George R, George AE, Ganesh SK, Biswas J, Dutta Majumder P, Baskaran M. **“A comparative analysis of surgical outcome in uveitic and non-uveitic steroid-induced glaucoma in children”** Indian J Ophthalmol. 2022 Dec;70(12):4218-4225.
- Damkondwar DR, Srinivasan R, Raman R, Kulothungan V, Sharma T. **“Morphological and functional retinal changes in neovascular age-related macular degeneration treated with intravitreal bevacizumab”** Indian J Ophthalmol. 2022 Dec;70(12):4376-4382.
- Poonam NS, Alam MS, Oberoi P, Mukherjee B. **“Dysthyroid optic neuropathy: Demographics, risk factors, investigations, and management outcomes”** Indian J Ophthalmol. 2022 Dec; 70(12):4419-4426.
- Iqbal A, Thomas R, Mahadevan R. **“The effect of different thickness scleral lens on corneal parameters in eyes with keratoconus”** Indian J Ophthalmol. 2022 Dec; 70(12):4251-4256.
- Srinivasan B, Agarwal S, Iyer G. **“Commentary: Endothelial keratoplasty in congenital hereditary endothelial dystrophy - Benefits and challenges”** Indian J Ophthalmol. 2022 Dec;70(12):4117-4118
- Mohanan-Earatt A, Biswas J. **“Clinical profile and management of granulomatosis with polyangiitis-associated scleritis from a tertiary care hospital in South India”** Indian J Ophthalmol. 2023 Jan;71(1):146-152.



- Mahalingam M, Gopalakrishnan S, Parasuraman D, Jayaraj PJ, Raman R. **“Prescribing patterns of low vision devices in patients with cone-related dystrophies”** Indian J Ophthalmol. 2023 Jan;71(1):195–201.
- Philip J, Hussaindeen JR, Jacob N, Sethuraman S, Swaminathan M. **“Parental perception of facilitators and barriers to activity and participation in an integrated tele-rehabilitation model for children with cerebral visual impairment in South India – A virtual focus group discussion study”** Indian J Ophthalmol. 2023 Feb;71(2):601–607.
- Krishnan JM, Rajagopal R, Lakshmipathy D, Agarwal S, Anand AR, Therese L, Thangam A, Madhavan HNR. **“Role of polymerase chain reaction-based viral detection in pterygia”** Indian J Ophthalmol. 2023 Feb;71(2):458–463.
- Gopalakrishnan S, Bhaskaran G, Jayasankar O, Selvakumar A, Raman R. **“Changes in visual acuity using low vision devices in patients with Leber hereditary optic neuropathy: A retrospective study”** Indian J Ophthalmol. 2023 Feb;71(2):402–407.
- Raviselvan M, Preethi B, Ratra D. **“Retinal perfusion density can predict cardiovascular disease risk in patients with retinal vein occlusion”** Indian J Ophthalmol. 2023 Feb;71(2):379–384.
- Agarkar S, Mailankody S, Settu S, Srinivasan R, Raman R. **“Response to comments on: Visual outcomes following cataract surgery with intraocular lens implantation in vitrectomized eyes among children”** Indian J Ophthalmol. 2023 Mar;71(3):1053–1054
- Patil TS, Viswanathan N, George R. **“To compare central visual field progression using mean deviation and pointwise linear regression analysis”** Indian J Ophthalmol. 2023 Mar;71(3):854–860.
- Panda S, Khurana M, Vijaya L, George R, Balekudaru S. **“Comparison of conjunctiva-related complications between scleral and corneal patch grafts in Ahmed glaucoma valve implantation”** Indian J Ophthalmol. 2023 Mar;71(3):881–887.
- Bhende P, Maitra P. **“Anatomical and surgical considerations and outcomes in infantile Terson syndrome”** Indian J Ophthalmol. 2023 Mar;71(3):895–901.
- Dutta Majumder P. **“Commentary: The good vaccine, the bad virus, and the ugly inflammation”** Indian J Ophthalmol. 2023 Mar;71(3):1035–1036.



COMPLETED PROJECTS

- A Phase III, Multicenter, Sham-Controlled, Randomized, Double- Masked Study Assessing The Efficacy And Safety Of Intravitreal Injections Of 440ug De-109 For The Treatment Of Active, Non — Infections Uveitis Of The Posterior Segment Of The Eye [Dr. J Biswas]
- Protocol ID/Number: ALK21/ENZ105-RANI 1. A Comparative, Double-Blind, Randomized, Multicenter, Phase III study to compare the safety& efficacy of ENZ105 of Enzene Biosciences Ltd. With Innovator Ranibizumab in subjects with Neovascular (Wet) Age related Macular Degeneration(AMD) [Dr.Pramod S Bhende]
- Protocol No.BRIN-20-01 A Bioequivalence Study of Generic Brinzolamide 1% Ophthalmic Suspension compared to Reference Listed Drug AZOPT (Brinzolamide) 1% Ophthalmic Suspension in Subjects with Primary Open Angle Glaucoma or Ocular Hypertension. [Dr Ronnie George]
- Protocol No. MLTSP/04/2019–An Open Label, Multicentric, Phase III, Prospective study to evaluate the efficacy, safety and tolerability of triple fixed dose combination of Timolol 0.5% + Brimonidine 0.2% + Brinzolamide 1% eye drops in patients with Open angle glaucoma/ocular hypertension not responding to dual drug therapy. [Dr Ronnie George]
- To validate the results of Precision Toric software vs Verion for toric IOL positioning guidance. [Dr. [Dr. Sudhir R R]
- Segmentation of meibomian glands by deep learning to assess severity of dry eye disease. [Dr R R Sudhir]
- Development and Validation of Artificial intelligence algorithm for diagnosis of Infectious keratitis. [Dr. R R Sudhir / Dr. Meena Lakshmipathy]
- The Clinical impact of FECD on low contrast vision [Dr Prema Padmanabhan]
- Macular Edema Ranibizumab v. Intravitreal anti-inflammatory Therapy (MERIT) — A Phase 3 Study Dr. Sudha Ganesh]



- Protocol Title: 19140 Structured Post-marketing surveillance to collect the safety data of intravitreal aflibercept injection (IVT-AFL) in patients of wet age-related macular degeneration during real world clinical practice [Dr. Dhanashree Ratra]
- Construction and validation of a pediatric perimeter based on eye tracking technology [Dr Ronnie George]
- REACH- Refractive error among children [Dr T.S. Surendran]
- A Prospective comparative study of the Functional visual outcomes of three different Intra Ocular Lenses Bifocals, Trifocals and Extended depth of focus lenses [Dr Shikha Rajesh Bassi]
- Effect of Yoga related exercise on Intraocular Pressure and Optical Coherence Tomography Angiography parameters in healthy adults and glaucoma patients. [Ms. S. Pooja]
- SNEHAM 2020 — Sankara Nethralaya Eye Hospital Anjali to Mahatma [Dr. Anuradha N]
- Construction and Validation of HRQoL Questionnaire for Children with VKC and their parents. [Ms. Ambika Chandrasekar]
- Effect of using Blue Light filtering spectacle lenses and computer-based application on visual performance [Ms. Agatha K Saji]
- Effect of Low Dose Atropine (0.01%) eye drops on choroidal thickness and peripheral refraction in children with myopia [Ms Anusha Paritala]
- Quality of life in an Indian sample of moderate and high myopes. [Ms. M.Varsha Harinya]
- Understanding Optometrists' Practice Patterns for Glaucoma detection and Evidence Based Glaucoma Training in South India. [Ms. Khaarthiyaa Lokanathan]
- Barriers and facilitators for compliance to Low vision care services in a tertiary eye care hospital - A qualitative study [Ms. Nandhinee S]
- Role of various colour vision tests and its impact on driving. [Ms. Annapoorani CT]
- Choriocapillaris flow deficit (CCFD) analysis in Age related macular degeneration (AMD) using Swept source optical coherence tomography angiography (SSOCTA) — A Retro-prospective Study. [Mr. Amose. T]



- Corneal endothelial changes in scleral lens wearers in keratoconic eyes.[Ms. Shruti Dagar]
- Progression of myopia before and after COVID-19 among children visiting a tertiary eye care centre. [Ms. Arpita Paul]
- Peripheral refraction in different refractive errors among young Indian adults. [Ms. Asha Tharsis]
- Profile of occupational injury and its sequelae of visual impairment. [Ms. Jeevitha Asokan]
- Quality of life among patients with glaucoma and the impact of low vision services. [Ms. Indira Rengarajan]
- Comparison of symptoms associated with reading in smartphone in photopic versus scotopic conditions and reading in smartphone versus hard copy. [Ms. A. Roselin Kiruba]
- Ophthalmic anthropometry measurements among a sample of Indian adults. [Ms. V. K. Sowmya]
- Swept- source optical coherence tomography angiography and wide field fundus fluorescein angiography in retinal vasculitis [Ms. Sujata Yadav]
- Development and validation of a prototype to assess visual reaction time among visually normal individuals and patients with traumatic brain injury [Ms. Ayisha Atiya]
- Distance vergence facility among adults with convergence insufficiency. [Mr. Amit Bhowmick]
- Impacts of visual skills developmental therapy in children with Neuro-developmental disorders [NDD'S],[Ms. N. Inbarasi]

DNB Thesis Projects :

- Outcomes of Surgical Management of Descemet's Membrane Detachment during Cataract Surgery in a Training Centre [Dr Aman Agrawal] Guide: Dr. Sripriya Krishnamoorthy
- Comparative study of Surgical Outcome in Phacoemulsification with Posterior Polar Cataract in 2 ERAS 10 years apart in a group of surgeons [Dr. Adheela Abdulla] Guide: Dr. Shikha Bassi



- Clinical Profile, Diagnosis and Management of Familial Exudative Vitreoretinopathy in the Indian Population [Dr Thatigotla Naga Amulya] Guide: Dr. Girish S Rao
- Correlation of Digital Slit Lamp Photography with Clinical features in Infective Keratitis. [Dr Doshi Aashna Premal] Guide: Dr. N Radhika
- Analysis of Retinal Changes with Optical Coherence Tomography Angiography in Patients having Diabetic Macular Edema with Proliferative Diabetic Retinopathy as Compared with those having Diabetic Macular Edema without Proliferative Diabetic Retinopathy before and after Anti-Vascular Endothelial Growth Factor Therapy [Dr Nila D Dev] Guide: Dr. Aditya Verma
- Exploring, Developing and validating a predictive model for OCT markers of Inflammation vs Angiogenesis in Macular Edema [Dr Meenakshi Mahesh] Guide: Dr. Rajiv Raman
- A Study of swept source OCT and OCT -Angiography features of Pathological Myopia [Dr Amber Dubey] Guide: Dr. Pradeep S
- Functional Outcome of Descemet Membrane Endothelial Keratoplasty in Corneal Endothelial Disorders [Dr Sneha Bhopatkar] Guide: Dr. Bhaskar Srinivasan
- Comparison of Accuracy of 8 Intra Ocular Lens Power Calculation Formulas in patients Undergoing Cataract Surgery [Dr. Catharine Joby] Guide: Dr. Vineet Ratra
- Visual Outcome Post Cataract Surgery in Patients with an Axial Length more than 26mm [Dr. Radhika Sriram] Guide: Dr. P S Rajesh
- Outcomes of therapeutic penetrating keratoplasty in fungal keratitis [Dr. Marella Alekya] Guide: Dr. Mamta Agarwal
- Comparison of eyes with early diabetic retinopathy and healthy eyes in diabetic patients on OCT Angiography [Dr. Gaurav Chauhan] Guide: Dr. Aditya Verma
- A study of clinical profile of retinopathy of prematurity in assisted reproductive techniques [Dr. Kalbande Neelam Pankaj] Guide: Dr. G. Suganeswari
- Factors affecting visual outcome after Cataract surgery in traumatic cataract post Blunt trauma: a retro-prospective study [Dr. Komal Parekh] Guide: Dr Shikha Rajesh Bassi.



ONGOING PROJECTS

- Protocol Number: 101090401IN A Phase II, Randomized, Double-Masked, Placebo-Controlled, Parallel-Group, Multicenter Study Assessing the Efficacy and Safety of STN1010904 Ophthalmic Suspension 0.03% and 0.1% Compared with Vehicle in Subjects with Fuchs Endothelial Corneal Dystrophy (FECD) — PHANTOM Study. [Dr Prema Padmanabhan]
- Changes in Defocus in Eyhance, Panoptix and vivity IOL lenses [Dr. Prema Padmanabhan]
- Normative database for contrast sensitivity test using CSV 1000 with and without glare source. [Dr. Prema Padmanabhan]
- Blur threshold and blur adaptability assessment in young adult myopic patients undergoing refractive surgery [Dr. RR Sudhir]
- Changes in Defocus in presbyopes and pre presbyopes across different age groups. [Dr. Sudhir RR]
- An evaluation of axial stability of Clareon IOL in short and long eyes: A single center, prospective, open-label study [Dr. RR Sudhir, Dr. Suchitra Pradeep]
- A Randomized clinical study evaluating Revital Vision therapy for improving best corrected visual acuity and contrast sensitivity function in patients after a) collagen cross linking b) refractive surgery and phacoemulsification with extended depth of focus or multifocal IOLs. [Dr. Prema Padmanabhan / Dr. RR Sudhir]
- An evaluation of axial stability of Clarion IOL in short and long eyes: A single-center, prospective, open-label study. [Dr. R. R. Sudhir]
- To determine blink artifacts in aqueous flare measurements. [Dr. R. R. Sudhir]
- To examine the effects of Systane Gel on blink kinematics in healthy and DED subjects. [Dr. R. R. Sudhir]
- To study the association of keratoconus in patients with clinical diagnosis of corneal stromal dystrophies. [Dr. Rama Rajagopal]



- Evaluation of autologous conditioned serum rich in IL-1RA as an eye drop for the management of moderate to severe ocular Stevens Johnson Syndrome and Sjogrens Syndrome: a Pilot study. [Dr. Geetha Iyer]
- A prospective, open-label, two arms, randomized, interventional clinical study to evaluate the efficacy and safety of Maquiday (Maquibright®) for the treatment of dry eyes and fatigue. [Dr. Geetha Iyer]
- A Phase IV Clinical Trial to Evaluate the Safety and Efficacy of Systane™ Hydration in Indian Subjects with Dry Eye. [Dr. Geetha Iyer]
- Long-Term Refractive Outcomes Of Laser In-Situ Keratomileusis In High Myopes In A Tertiary Eye Hospital In Chennai. [Dr. Niveditha Narayanan]
- Comparison of the outcomes of phacoemulsification using 2.2 mm clear corneal incision with 2 different intraocular lenses requiring different techniques of iol insertion by a single surgeon. [Dr Niveditha Narayanan]
- To study the characteristics of optic nerve head by OCT angiography after IOP reduction: A prospective study [Dr. Ronnie George / Dr. B Shantha / Dr. L Vijaya]
- Clinical Imaging Study — Glaucoma [Dr Ronnie George / Dr L Vijaya / Dr B Shantha]
- The Indian Childhood Glaucoma Incidence Study [Dr B Shantha]
- Designing predictive model for Childhood Congenital Glaucoma using Clinical and Genetic data. [Dr. Shantha]
- The Asia Primary Tube versus Trabeculectomy (ASIA TVT) Study [Dr Ronnie George]
- Normative data collection for oculomotor functions using prototype eye-tracking technology in accordance with the conventional method [Dr Ronnie George]
- Impact of Binocular Visual Field Parameters on Vision Related Quality of Life (VRQoL) and performance based measure in glaucoma. [Dr. Ronnie George]
- Sankara Nethralaya Tubercular Uveitis (SANTU) Study [Dr. J Biswas]
- Optical coherence tomography-based novel outcome measures for disease monitoring in intraocular inflammatory and infectious diseases. [Dr. J Biswas]



- To identify the clinical biomarkers in orbital fat tissue and tears in patients with thyroid eye disease. [Dr. Bipasha Mukherjee/Dr. Kirthi Koka]
- Protocol ID/Number: BAY 86-5321/21974 : A Phase IV interventional post-approval trial to assess the safety of intravitreal aflibercept for the treatment of diabetic macular edema (DME) in patients in India. [Dr. Pramod S Bhende]
- A Multicentric Study on VR surgical practices in India. [Dr Pramod Bhende]
- A real-world, prospective, multi-center, open-label, phase IV clinical study to evaluate the safety and effectiveness of intravitreal injections (IVI) of brolocizumab in patients with neovascular age-related macular degeneration (nAMD) Informed Consent Form Protocol No. CRTH258 AIN01. [Dr. Pramod S Bhende]
- TGF-BETA 2 antisense ISTH0036 for the Treatment of diabetic macular Edema (DME) and neovascular age-related maculaR degeneration (nAMD) The "BETTER" Study. [Dr. Muna Bhende]
- To validate Deep learning algorithm to detect and predict ocular Pathologies [Dr Rajiv Raman]
- Macular Pigment Optical Density and its relationship with high myopia in Indian Subjects.[Dr. Rajiv Raman]
- Analysis of quality of vision in patients with low vision using augmented reality devices. [Dr. Rajiv Raman]
- Evaluation of visual performance of patients with low vision in a virtual reality environment pre and post anti-VEGF injection. [Dr. Rajiv Raman]
- Quantitative analyses and prediction of anti-VEGF treatment effectiveness in Diabetic Macular Edema(DME) and neovascular Age related Macular Degeneration (nAMD) with relation to central subfield thickness(CST) and sub retinal fluid (SRF) volume outcomes, respectively, using machine learning (ML) methods [Dr.Rajiv Raman, Dr.Parveen Sen]
- Innovative Wide-Field imaging using aspheric spectacle and contact lens for proliferative diabetic retinopathy in SSOCTA.[Dr. Rajiv Raman]



- Multimodal imaging to describe and grade the lesions in diabetic retinopathy: visual outcome of indocyanine green angiography guided focal laser in non-responding diabetic macular edema. [Dr.Rajiv Raman]
- A Double Masked, Parallel Group, Randomised, Multicentre, Clinical Study to Compare Efficacy and Safety of Intas Ranibizumab with Lucentis® in Patients with Neovascular (Wet) Age-Related Macular Degeneration (AMD). [Dr. Dhanashree Ratra]
- Mapping the carbon footprint of vitreoretinal surgery in a tertiary eye care center in India. [Dr. Dhanashree Ratra]
- Rare eye disease (RED) project registry — Stargardt’s disease. [Principal Investigator - Dr. Dhanashree Ratra]
- CRISEPTED Combined radiotherapy and intravenous steroids for the treatment of Early Progressive Thyroid Eye Disease [Dr Bipasha Mukherjee]
- Vision related Quality of Life in patients with low vision using the IVI -VLV questionnaire [Dr. Mona Khurana/Dr. Anuradha N]
- Retinal displacement after scleral buckling (SB) with VS without drainage for the management of primary rhegmatogenous retinal detachment. An extension of the study of “Retinal displacement after scleral buckling (SB) versus combined vitrectomy (PPV+SB) for the management of primary rhegmatogenous retinal detachment.[Dr. Rajeev Muni]
- Retinal vascular permeability in Dengue virus infection: pathogenesis and evaluation of protective effects of vascular stabilizing agents [Dr. A R Anand]
- Evaluation of novel molecular platforms in the early diagnosis of infectious endophthalmitis [Dr. A R Anand]
- Proteomic approach to understand the pathophysiology and invitro evaluation of Macrolides and Oxazolidinones against Pythium insidiosum [Dr.L. Dhanurekha]
- Impact of Occupational Optometry Services on Productivity and Vision Related Quality of Life of Small scale and Cottage Industry Workers, Optometrists, Medical lab technicians, Electronic part amblers, drivers, tyre / rubber industry workers [Dr. Rashima A]



- Sankara Nethralaya - Tamil Nadu Essilor Myopia (STEM) Study [Dr N Anuradha/Ms. G Aparna]
- Visual impairment, coping strategies and impact on daily life among drivers. [Ms Rupa Nivethikka R]
- Analysis of work profile, sleep patterns and musculoskeletal disorders among Ophthalmic Nurses and development of vision standards. [Ms. S. Vishnupriya]
- Comparison of changes in binocular vision parameters at pre and post laser vision correction surgery among myopic anisometropia. [Mr. Prasannasai K]
- Conjunctival Ultraviolet Autofluorescence photography in assessing the outcome of glaucoma filtration surgery. [Ms. Geethu Krishna]
- Mydriasis in closed and open eyes. [Ms. Amirthaa. M]
- Ergonomic assessment in the usage of optical and assistive devices among patients with low vision. [Mr. Syed Ibrahim]
- To compare ocular blood flow changes in patients with glaucoma with different antiglaucoma medications. [Mr. Janakiraman P]
- Perspective of teachers on their role in school eye screening and effect of the teacher-based intervention on compliance: A mixed-methods study. [Ms. Maanila Sunitha Pajanivelou]
- Impact of Defocus Incorporated Multiple Segments (DIMS) spectacle lenses on Quality of Life of the children: Perspectives of the children and their parents. [Ms. Mobashir Fatimah]
- Elderly Patients' Expectations and Experiences on Eye Care Services from the Community and Tertiary Eye Care Hospital— A Qualitative Study. [Ms. Gulafsha Parveen]
- Cost analysis of low vision rehabilitation services: Patients and service providers perspectives. [Mr Gaurav Paramasivan]
- Change in post-lens tear turbidity and visual function in eyes with ocular surface disorders wearing scleral lens. [Mr Vigneshwar A G]



- Survey on Knowledge, Attitude, and Barriers in eye care seeking behaviour among unorganized sector workers. [Ms Vidya P]
- Impact of scratches in spectacle lenses on the visual functions. [Ms S Renukha Parameswari]
- Evaluating Scleral lenses fluid reservoir turbidity with different reservoir composition and its effect on visual quality. [Ms Ayisma Baniya]
- Low vision intervention for individuals with various corneal pathologies. [Ms. M Shanmugapriya]
- Profile of Anterior Segment Optical Coherence Tomography (AS-OCT) in Advanced Keratoconus. [Ms Reshma Suresh]
- Changes In Binocular Vision Parameters After Strabismus Surgery In Patients With Intermittent Exotropia. [Ms. Sejal R Singh]
- The effect of digital zone optics™ design contact lenses on binocular vision parameters among existing soft contact lens wearers with complaints of digital eye strain. [Mr S.Selvakumar]
- Effectiveness of Smartphone applications and smart vision glasses in visually challenged persons. [Mr. Mugilan S]
- Knowledge, attitude and practices about Ocular Safety among welders and efficiency assessment of green filters among welders. [Ms Narmadha R]
- The impact of monocular vision on motor function and quality of life in survivors of retinoblastoma. [Ms. Shruti M. Sawant]

Ph.D Research Project :

- Digital eye strain (DES) also known as Computer Vision Syndrome (CVS), its prevalence, the factors contributing to DES, the adaptation to and management of DES in different subsets of users of Visual Displays Units (VDU) [Ms Renjini Athul Madhavan] Guide : Dr R R Sudhir
- Role of customized visual and multifocal interventions in preventing falls among visually impaired in South India - A Quasi experimental control design Mixed methods study [Ms. Ramya S] Guide : Dr. Anuradha Narayanan



DNB Thesis Projects :

- Diagnostic value of polymerase chain reaction in difficult cases of microbial keratitis. [Dr Pranav Sanjay Patil] Guide: Dr. N. Radhika
- Trabeculectomy in uveitis: Outcomes and impact on recurrence rates [Dr Jazz K Manadan] Guide: Dr. Amala Elizabeth George
- Clinical Profile and Treatment Outcome of Patients with Retinal Vasculitis in a Tertiary Eye Care Centre. [Dr. Divyansh Vinki Rughwani] Guide Dr. Parthoprati Dutta Majumder
- Central retinal vein occlusion in young adults: clinical profile and treatment outcomes following anti-VEGF therapy. [Dr Sourav Padhi] Guide : Dr Rajiv Raman
- Indications, outcomes and complications of therapeutic penetrating keratoplasty for microbial keratitis. [Dr Mridula Vijayaraghavan] Guide: Dr Meena Lakshmipathy
- Treatment outcome of vitrectomy and internal limiting membrane peeling for refractory diabetic macular edema [Dr Utsav Bhavesh Shah] Guide: Dr Dhanashree Ratra
- Rates, risk factors and reasons for reoperation in patients undergoing glaucoma surgery [Dr. M. Aishwarya] Guide: Dr. Mona Khurana.
- Clinical characteristics and multi-modal imaging of contusion maculopathy [Dr.Nikhil Shahaji Pawar] Guide: Dr. Chetan Rao
- Clinical profile and management of immune recovery uveitis in patients with HIV/AIDS. [Dr. Himani Manglik] Guide: Dr. Sudharshan S
- A comparative evaluation of complications and visual outcome of phacoemulsification in vitrectomised eyes with air or gas as Endotamponade vs Non-vitrectomised eyes [Dr Malekar Rutuja Ravindranath] Guide : Dr. Rajesh P S

MS Thesis Protocols:

- Managing Post Scleral Fixed Intraocular Lens (SFIOL) Retinal Detachment -Functional and Anatomical Outcome. [Dr Arush Bhuwalka] Guide: Dr. Pramod S Bhende
- Impact of Covid-19 pandemic on rate of progression of glaucoma [Dr. Bhavini Johri] Guide: Dr. Ronnie Jacob George



- A comparative study of short-term outcomes of combined phacoemulsification-trabeculectomy surgery done by trainees and experienced surgeons [Dr. Sivaranjani P] Guide: Dr. Sripriya Krishnamoorthy
- Evaluation of macular pigmentation optical density in age related macular degeneration using dual wavelength auto-fluorescence imaging technique in a clinical set-up [Dr Raheema A.N.] Guide: Dr. Vinata Muralidharan
- Comparison of Pre and Post Cataract Surgery Angle Characteristics on Gonioscopy and As-Oct in Primary Angle Closure Suspects — A Prospective Study. [Principal Investigator - Dr. Aarti Rajkumar Guide: Dr. Parivadhini A]
- Clinical Profile of Pigmentary Glaucoma, Pigment Dispersion Syndrome with Ocular Hypertension and Pigment Dispersion Syndrome in a Tertiary Institute and Comparison of Outcomes of Glaucoma Surgery with Primary Open Angle Glaucoma. [Principal Investigator - Dr Surabhi J A Guide: Dr Mona Khurana]
- Anatomical and Surgical Assessment of Surgical Management in Rhegmatogenous Retinal Detachment in Pediatric Population. [Principal Investigator - Dr Vansh Bagla Guide: Dr Pramod S Bhende]
- Compliance of the Patients to Anti Vascular Endothelial Growth Factor (Anti- Vegf) Treatment for the Diabetic Macular Edema. [Principal Investigator - Dr.Vigneshwaran S Guide: Dr Jaya Prakash V]

Restrospective Studies:

- Effectiveness of 0.01% atropine in anisomyopic children. [Ms. Azfira Hussain]
- Global Warming Impact of Fluorinated Gases used in Ophthalmic Surgeries at a tertiary eye care institute of South India. [Dr. Rajiv Raman]
- Optical coherence tomography angiography compared to dye-based fluorescein and indocyanine green angiography in diabetic retinopathy. [Dr. Rajiv Raman]
- Optic disc notch its structural correlation. [Dr. Trupti Sudhir Patil]
- Demographic and clinical profile, management and outcome of infective Scleritis: A 20 year retrospective study. [Dr Bhaskar Srinivasan]



- Depth, Size & The Microbe -The triumvirate that prognosticates the outcome of infective keratitis: A 5 year retrospective study. [Dr Shweta Agarwal]
- Demographic and clinical profile, management and outcome of ocular chemical injuries: An 11 year retrospective study. [Dr.Geetha Iyer]
- Clinical profile and pattern of Stevens —Johnsons Syndrome and Toxic Epidermal Necrosis's: A retrospective study of management strategy and outcome measures. [Dr.Geetha Iyer]
- Clinical profile, risk factors and outcome of medical, surgical and adjunct interventions in patients with Pythium insidiosum keratitis: A 3 year retrospective study. [Dr.Geetha Iyer]
- To assess the possibility of applying machine learning algorithms for predicting glaucoma progression using visual field data. [Dr. Ronnie George]
- Efficacy of Vision Therapy Among Recurrent Exodeviation After Strabismus Surgery In Patients With Intermittent Exotropia. [Ms Ayisha Atiya]
- Ocular features of patients with Parkinson's disease seen in a neuro-optometry clinic in a tertiary eye hospital. [Ms Ayisha Atiya]
- Two birds with one stone: Rho kinase inhibitors in pseudophakic cystoid macular edema with secondary glaucoma (Case Report). [Dr. Ayushi Mohapatra]
- "A Long term clinical outcome of Hoffmann pocket four points scleral fixated
- intraocular lens implantation combined with penetrating keratoplasty - A single corneal surgeon report. [Dr Nivedita Narayanan]
- One donor cornea for three corneal transplants, including a novel surgical technique of combined tight suturing to reduce and crescentic lamellar grafting to strengthen Terrien's marginal degeneration. [Dr Nivedita Narayanan]
- "Lacrimal sac diverticula as an incidental finding during on-table exploration after completing tectonic penetrating keratoplasty for a patient with Marfan syndrome - A case report. [Dr Nivedita Narayanan]
- Long-term Outcomes of limbal sparing lamellar keratoplasties in keratoglobus: A case series [Dr Nivedita Narayanan]



- A long-term outcome of Intraocular Collamer Lens implantation for refractive correction of high myopes unsuitable for laser vision correction - A retrospective analysis. [Dr Nivedita Narayanan]
- Gaze behavior metrics among novice and expert eye care practitioners during glaucoma diagnosis: An eye-tracking approach. [Ms. Najiya Sundus K. Meethal]
- To study the biometric parameters of eyes in patients with asymmetric primary angle closure disease (PACD) [Dr. Wadke Vidya Arunkumar]
- Visual Impairment and Blindness in Indian Myopes: A Hospital Study. [Mr J. Jothi Balaji]
- Screening school children to detect dry eye and refractive errors. [Dr Bhaskar Srinivasan]
- Frequency of adult amblyopia reported to a tertiary eye care centre and the efficacy of office-based active vision therapy among adult amblyopes — an observational report [Mr Amit Bhowmick]
- Outcome of Sankara Nethralaya Uveitic Cataract surgery study [Dr. Sudha Ganesh, Dr. J Biswas]
- Effectiveness of early cataract extraction and laser peripheral iridotomy in the treatment of Primary Angle Closure Disease: A retrospective case control study. [PI: Dr. MBaskaran, Fellow: Dr. Vedvati]



PARTICIPATION IN CONFERENCES

1. Prof. Dr. Jyotirmay Biswas participated in the 13th National Conference of AIDS Society of India (Virtual Mode) held ITC Kakatiya, Hyderabad, from 3rd to 5th April 2022. He gave a presentation on "Ocular complications of HIV, Stls".
2. Dr. Dhanashree Ratra gave a talk on "Dexamethasone in treatment naïve DME" in the Retinal Inflammation webinar on 16th April, 2022.
3. Prof. Dr. Jyotirmay Biswas gave a presentation on "Publish and Flourish" in the webinar organized by the Karnataka Ophthalmic Society (KOS), on 17th April 2022.
4. Dr. Jaya Prakash V attended the Medical Retina Update: Mystery Retina, TNOA CONNECT Series 21-22: Update in Medical & Surgical Retina organized by Tamil Nadu Ophthalmic Association on 24th April 2022. He gave an invited talk on "A Case of Bilateral Acute Angle Closure & Asymmetric Vascular Occlusion: What Else Lies Behind?"
5. Dr. Dhanashree Ratra gave an invited lecture on "Tips and tricks for successful SFIOL surgery" at the TNOA Connect Series 2021-22 held on 24th April, 2022.
6. Dr. Dhanashree Ratra delivered an invited lecture on "DME patient related outcomes" at the DME Experts Forum Meeting held at Mumbai on 7th May 2022.
7. Dr. Girish S Rao, Dr. Jyotirmay Biswas, Dr. Lingam Gopal, Dr. Sudha K. Ganesh, Dr. Sumita Agarkar and Dr. Dhanashree Ratra attended the 80th Annual Conference of All India Ophthalmological Society at Mumbai, from 2nd to 5th June 2022. Dr. Biswas gave a talk on "Immune mediated uveitis – bench to bedside" and Dr. Lingam Gopal on "Retinopathy of Prematurity - screening and treatment - all you wanted to know". Dr. Sudha Ganesh made a presentation on "Acute Zonal Occult Outer Retinopathy (AZOORJ - Largest series from South India" and Dr. Sumita Agarkar on "Resurgery in strabismus simplified". Dr. Dhanashree Ratra was the panellist for the session on "Real World experience sharing with newer drug" and Co-instructor for the session "Extreme Trauma, IC 533- Demystifying extreme retinal surgery".
8. Dr. Dhanashree Ratra gave a presentation on DME- Treatment related outcomes India Consensus- Evidence to real world at the DME Experts Meeting and Book Launch, Chennai on 9th June, 2022.



9. Prof. Dr. Jyotirmay Biswas delivered a lecture on "Panuveitis: Clinical features, Differential Diagnosis and Approach to Management" in the EIZOC ORTS 2 (webinar) on 14th July 2022.
10. Dr Anuradha participated in the Indian Optometric Association (IOA) Conference on July 9, 2022.
11. Dr. Dhanashree Ratra delivered a talk on "RWE to real world experience- The Indian perspective" at the Retina Expert Meeting (virtual) on 31st July and 1st August, 2022.
12. Dr. T S Surendran, Dr. B Shantha, Dr. Ronnie Jacob George, Dr. Jyothirmay Biswas, Dr. Sumita Agarkar, Dr. Kavitha Kalavani, Dr. Akila Ramkumar, Dr Akshay Badakere, Dr. Rajiv Raman, Dr. Dhanashree Ratra, Dr. Shikha Bassi, Dr. Durga Priyadharshini, Dr. Mani Baskaran, Dr. Charanya C, Dr. Rathini Lilian David, Dr. Sonam Nisar Poonam, Dr. Kirthi Koka, Dr. N Radhika, Dr. Meena Lakshmi pathy, Dr. Parivadhini, Dr. Suchitra Pradeep, Dr. Bhaskar Srinivasan, Dr. Vinita Girish Rao and Dr. Sharanya Sarah Abraham participated in the KOVEYE 2022 — the 69th Annual Conference of Tamil Nadu Ophthalmic Association at Coimbatore from 5th to 7th August 2022. Dr. Surendran was the Chairperson for the symposium on "Paediatric Ophthalmology — Pot Pourri". Dr. Ronnie George was the Chairperson for the symposium on "Newer RCT's in Glaucoma: An Update" and delivered lectures on "Clear lens extraction in angle closure: EAGLE Study" and "Is Neuroprotection a myth?" Dr. B Shantha made a presentation on "Classical trabeculectomy technique", Dr Akshay Badakere was a in judge- debate session in paediatric Ophthalmology, He made a presentation on "The art of publishing- How and where do I begin- speaker in Instruction course", and "Efficacy of botulinum toxin as a treatment option for Acute acquired comitant esotropia". Dr. Sumita Agarkar was the Chairperson for the symposium on "Precision in Paediatric Cataract Surgeries". Dr Kavitha Kalaivani was the Chief Instructor for the course on Evaluation of Strabismus: Not as Scary as it Seems" and delivered a talk on "When Strabismus and Cataract are Coexisting?" Dr. Biswas was the chairperson for the "TNOA-IJO Research Methodology Session — Publish and Flourish"; Chief Instructor for the course on "Diagnosis and management of uveitis — practical tips" and gave a talk on "Top tips for identifying infectious uveitis". Dr. Parivadhini on "Optic nerve regeneration. Is it possible?", "Choosing the right Seton" & "Releasable Suture and Its Removal/ Laser Suturolysis"; Dr. Bhaskar Srinivasan on "Alcon Dry Management with Lipid and Mineral oil based Nano-droplet Technology",



“Endothelial Keratoplasty” & “How to approach a patient with ocular surface disorder”; Dr. Radhika on “Infective Vs Immune” & “Iatrogenic ectasia -Diagnosis and management”; Dr. Sumita Agarkar on “A cut above - Superior Oblique Surgeries”; Dr. Mani Baskaran on “Laser PI for PACS : ZAP + ANALIS studies” & “What are we missing in Glaucoma? - Traditional fundus examination versus fundus photography”; Dr. Sharanya Sarah Abraham on “Hypopyon uveitis -Infectious versus non-infectious”; Dr. Rajiv Raman on “Predicting response to Intravitreal AntiVEGF in DME by AI”; Dr. Suchitra Pradeep on “Bring in the big guns — immunosuppressives”; Dr. Rathini Lilian David on “Assessing the dying RGCs- Biopotentials”; Dr. Durga Priyadharshini on “Dancing eyes - How to decode?”; Dr. Sonam Nisar on “Orbital infections”; Dr. Krithi Koka on “How do I find an answer - Investigations in orbit”; Dr. Meena Lakshmipathy on “Surgical Pearls to prevent recurrences in Pterygium surgery”; Dr. Shikha Bassi on “Application of OCT in Neuro-Ophthalmology”; Dr. Vinita Girish Rao Panuveitis - instruction course - chief instructor Dr J Biswas Dr. Akila Ramkumar on “Management of Complications in Paediatric Cataract Surgery”. Dr. Dhanashree Ratra was the co-instructor for the session on “OCT and OCTA bio markers in DME” in the Diabetic Conundrum Symposium.

13. Dr V Jaya Prakash presented a case, “A Case of Bilateral Acute Angle Closure & Asymmetric Vascular Occlusion: What Else Lies Behind?” at Retnet India 2022 held on 6th & 7th August 2022.
14. Dr. Jaya Prakash V. gave an Invited Faculty Talk on “My Attempts to Treat and Extend: Managing a case of Recalcitrant PCV with 10 reactivations over 4 years How Many Aflibercept? Is 33 Enough?” in the Update in Wet AMD/PCV on 12th August, 2022.
15. Dr. V. V. Jaichandran gave an invited talk on “Safe Blocks for Long Eyes” in the 14th International Congress of SAARC AA 2022 at Kochi, India from 12th to 14th August 2022. He also gave a presentation on “Tips, Tricks and Traps in Ophthalmic Anaesthesia” in the CME Programme — August Ophthalmica, organized by the Kochi Ophthalmic Club.
16. Dr Akshay Badakere attended the Pediatric Ophthalmology and Strabismus Network (POSN) Meeting at Kolkata on 20th August 2022. He was the moderator for the sessions on “Ocular Genetics” and “Paediatric cataract and anterior segment disease”. He also made a presentation on “what's new in paediatric ophthalmology- Over Minus lens therapy for Intermittent exotropia” and a poster on “Hereditary macular dystrophy- a series of 3 cases”.



17. Dr. Dhanashree Ratra delivered an invited lecture on “Real world evidence of dexamethasone in DME, RVO and uveitis” in the See Beyond Ophthalmology Allergan Meeting held at Kuala Lumpur, Malaysia, from 20th & 21st August, 2022.
18. Dr Kirthi Koka attended the WOS Conference on 21st August 2022 at Guwahati and she delivered lectures on “Pediatric orbital Tumors” and “How do I make a Diagnosis - Investigations in the Orbit”.
19. Dr. Sheila John participated in the 54th APAN Asia Pacific Advanced Network (Virtual meeting) on 23rd August 2022 held in Jinan, China. She made a presentation on “Diabetic Retinopathy”.
20. Dr Mamta Agarwal attended the International Uveitis Study Group IUSG 202 conference at Netherland from 23rd to 29th August 2022. She made presentations on “Basic uveitis course - infectious scleritis” & “Clinical features, causative factors and treatment outcomes in patients with infectious scleritis in Indian population” and E- Poster entitled, “Multiple myeloma presenting first as bilateral chronic uveitis in an elderly patient Rickettsial retinitis - A diagnostic challenge - Case series”.
21. Dr. Dhanashree Ratra participated in the 22nd Euretina Congress 2022 at Hamburg, Germany from 1st to 4th September, 2022. She delivered talks on “The fragile diabetic eye” in the Vitreo Retinal Society of India Session: ‘Once bitten twice not shy – where re-surgeries are the norm’ Symposium and “End-stage endophthalmitis handling recurrences, retinal detachments and hypotony” at the Symposium Session: Fighting Post-Operative Endophthalmitis.
22. Dr. Sheila John attended the 7th Asia Pacific Tele-Ophthalmology Society Symposium (APTOS 2022) on 3rd - 4th September 2022 in Shenyang, China (Virtual meeting). She made a presentation on “Rural Teleophthalmology Camp Model for Eye Care during Covid – 19”.
23. Dr N Anuradha attended the Vision 2020 Conference at Kolkata on September 4th 2022. She made a presentation on “Technology and Innovation in community outreach: simple technology solutions in school eye screening”.
24. Ms Swetha S and Ms Ambika C attended the 28th IERG 2022 - ARVO India Conference at Hyderabad on 10th and 11th September 2022 (Hybrid meeting). Ms Swetha made a poster titled, "Profile of Posterior Segment Disorders in a rural population - Tamil Nadu Rural Eye Examination (TREE) study" and Ms Ambika on "Rasch Analysis of Quality of Life in children with VKC among Indian children with VKC".



25. Prof.Dr.Jyotirmay Biswas and Dr. Rajiv Raman participated in the World Ophthalmology Congress on 12th September 2022, (Virtual Meeting). Dr Biswas made a presentation on "Histopathological, immunohistochemical Immunohistochemistry and molecular biology study of eviscerated and enucleated specimen of end stage uveitis" and Dr. Rajiv Raman delivered an invited talk on "Diabetic Vitrectomy: Tips and tricks".
26. Dr.R R Sudhir, Dr N Radhika and Dr Niveditha Narayanan attended the ESCRS MILAN 2022 - 40th Congress of the European Society of Cataract and Refractive Surgeons from 16th to 20th September 2022 at Italy. Dr. Sudhir gave a talk on "Impact Of Yag Laser Capsulotomy Procedures On Cataract Center Chair Time And Revenue Opportunity- A Cost Consequence Analysis At A Private Facility In India". Dr Radhika made poster presentations on "Pythium Keratitis - Clinical Course of an Emerging Scourge" and "Alloslet with Keratoplasty — Saving the Surface in Xeroderma Pigmentosa". Dr Niveditha Narayanan delivered lectures on "A Long Term Clinical Outcome Of Penetrating Keratoplasty And Scleral Fixated Intraocular Lens Implantation At Four Points Of Fixation By An Anterior Segment Surgeon" and "One Donor Cornea For Three Corneal Transplants, Including A Novel Combined Tight Suturing To Reduce And Crescentic Lamellar Grafting To Strengthen Terrien'S Marginal Degeneration".
27. Ms. Jeevitha R participated in the IHope - Research to Policy Conference at Chennai on 23rd September 2022. She made a presentation on "Profile of occupational injury and its sequel of visual impairment in a hospital based setup".
28. Dr. V. Jaya Prakash participated in the "Current Updates in Diabetic Retinopathy" organized Bombay Ophthalmologists Association & Lokmanya Tilak Municipal General Hospital and Lokmanya Tilak Municipal Medical College, Sion Mumbai on 24th September 2022. He made a Presentation on "Current Role of Laser in Diabetic Retinopathy".
29. Dr. Rashima A, Ms. Janani S & Ms. Rupa Nivethikka R attended the 69th Annual State Conference of IAOH - Tamil Nadu on 25th September 2022. Dr. Rashima made a paper presentation on "Profile of ocular injury and its sequel of visual impairment and occupation in a hospital-based set-up"; Ms. Janani on "Driving strategies and coping mechanisms among drivers with the color vision deficiencies" and Ms. Rupa Nivethikka on "Visual demand and workplace exposure of stone sculptors — An Occupational optometric overview.



30. Dr Rashima A attended the 7th International Healthcare Technology Conference, CAHOTECH'22 (online), from 22nd to 24th September 2022.
31. Dr Rashima, Ms Padmashri R, Ms Soma Harshitha, Ms Rupa Nivethikka, Ms. Jeevitha R and Ms Vishnu Priya participated in the 3rd IVI International Optometry Conference – “Eye Health in a Changing World” from 13th to 15th October 2022. Dr Rashima gave an invited talk on “Evidence based Practice in Anterior Segment Disease”. Ms Padmashri R made a presentation on “Visual impairment, coping strategies and impact on driving among drivers”; Ms Soma Harshitha on “Ergonomics assessment in optical and assistive devices among patients with low vision”; Ms Rupa Nivethikka on “Impact of Green Filters incorporated safety eyewear among welders”; Ms. Jeevitha R on “Work-related and Health Related Quality of life in patients after ocular trauma in hospital based setup” and Ms Vishnu Priya made a presentation on “Development of Vision Standards and Analysis of Work Profile, Sleep Patterns and Musculoskeletal Disorders among Ophthalmic Nurses”.
32. Dr. Jyotirmay Biswas, Dr. Sudha K. Ganesh, Dr. Amala Elizabeth George, Dr. S Sudharshan, Dr. Partho Pratim Majumdar, attended the USICON 2022 — the 21st Annual Conference of Uveitis Society at Hyderabad from 14th to 16th October 2022. Dr. Biswas was the Chairperson for the sessions on “Masquerades” & “Unsolved Mysteries” and Dr. Sudha Ganesh was the Chairperson for the Allergan Sponsored Symposium and “Pediatric Uveitis” session and made a presentation on “My 4 most challenging cases”. Dr. Partho Pratim Majumdar delivered an invited talk on “Clinical evaluation of Patient with Uveitis” and made a case presentation on “Surgical intervention in a longstanding Exudative Retinal Detachment”. Dr. Amala George made a presentation on “My 4 most challenging cases” in the Anterior Uveitis session. Dr. Sudharshan was the moderator for the session on “Choroiditis” and made a presentation on “My 4 most challenging cases” in the Retinal Infections session.
33. Dr Sujatha VK attended the NMC Faculty Development Workshop (Teaching methodology) conducted by National Medical Council in October 2022.
34. Ms Janani S participated in the 10th Dr S. Narasimhan Memorial Award for the Best Research in Optometry, held on 28th October 2022 and she made a presentation on “Occupational Hazards, Associated Ocular Morbidities and Impact of Refractive Safety eyewear among Agriculture Workers — A Two States Study”.



35. Ms Janani gave an invited talk on “Color Vision of Life and Color Vision at Work” at the Optometry Lecture Series (webinar) at SRM Medical College and Research Center on 29th Oct 2022.
36. Dr Sheila John participated in the 18th International Conference of the Telemedicine Society of India (TSI), TELEMEDICON-2022 - “Strengthening Health Systems through Sustainable Telemedicine and Digital Health” in Cochin from 10th to 12th November 2022. She made a presentation on “Covid protocols at teleophthalmology camps”.
37. Dr. L Vijaya, Dr. Ronnie Jacob George, Dr. B Shantha, Dr. Parivathini A, Dr. Sarah Abraham, Dr. Sujatha V. K., Dr. M Baskaran, Dr. Trupti Sudhir Patil and Dr Reni Philip attended the 31st Annual Conference of Glaucoma Society of India at New Delhi from 18th to 20th November 2022. Dr. Sujatha made a presentation on “Clinical utility, feasibility of home tonometry using Icare Home by Glaucoma patients”. Dr B Shantha gave invited talks on “Single digit IOP after trab/Good or bad”; “MIGS–Role in Indian Scenario”, “Combined procedures should be replaced by phacoemulsification with MIGS” & “Prospective analysis of predictors for glaucoma following surgery for infantile and congenital cataract”. Dr. L Vijaya delivered invited talks on “Understanding IOP”, “Evaluating and Treating NTG”, “The EAGLE Study” and, “Clinical assessment of mechanisms of angle closure” and moderator for the session on “How to perform a trabeculectomy”; Dr. Ronnie George on “Ocular Perfusion pressure in clinical practice”, “BAK free medications”, and “Effect of cataract surgery on IOP in PACD & POAG”; Dr M Baskaran on “Congenital anomalies” and “GATT role in POAG and PACG”. Dr. Sujatha V K made a presentation on “Clinical utility, feasibility of home tonometry using Icare”; Dr. Trupti Sudhir Patil made paper presentations on “Risk factor analysis for central visual field progression” and “To compare central visual field progression using mean deviation and point wise linear regression analysis (PLR)” and Dr Reni Philip on “Ocular blood flow in primary angle closure suspect and primary angle closure eyes without prior acute angle closure- an OCT angiography study”.
38. Dr Kirthi Koka attended the 32nd Annual Conference of the Oculoplastics Association of India from 11th to 13th November 2022 at Mumbai. She made a presentation on “CSF leak post tumor removal — Tips on how to manage this complication”.



39. Dr. Dhanashree Ratra made a presentation on “Management of anterior PVR in order to prevent retinectomy” at the Delhi Retina Meeting held at New Delhi from 4th to 6th November, 2022. She was also the panelist for the session on “Diagnostic challenges- Interesting case presentations”.
40. Dr. Dhanashree Ratra attended the 15th Biennial Meeting of the South Asian Academy of Ophthalmology SAO 2022 at New Delhi from 11th to 13th November, 2022. She made a presentation on “Can early and intensive treatment with aflibercept reduce the treatment burden” and she was the chairman for the session on Biosimilars - Is there a new change on the horizon?
41. Dr. N. Angayarkanni participated in the Spinco workshop at ITC Grand Chola on 24th November 2022. “5th National Conference on Frontiers in MS Technology and Emerging Applications”.
42. Dr. Rajiv Raman, Dr Pradeep Susvar and Dr Sudharshan S participated in the 15th APVRS Asia — Pacific Vitreo — Retina Society at Hong Kong, China from 18th to 20th November 2022. Dr. Rajiv Raman gave a presentation on “Diabetic Retinopathy”, Dr Pradeep Susvar on “Novel OCT and OCT-A Markers in Diabetic Retinopathy”, Dr Sudharshan on “Uveitis and Diabetic Retinopathy: Is it Protective for Retinopathy?”.
43. Dr. Sheila John attended the 2nd Africa Tele-health Conference at Cairo, Egypt from 30th Nov to 1st Dec 2022 and gave an oral presentation on “Chronic disease management in primary eye care in the pandemic”.
44. Dr. Rama Rajagopal, Dr. Niveditha Narayanan, Dr. N Radhika, Dr. Geetha Iyer, Dr. Shweta Agarwal, and Dr. Mamta Agarwal attended the KERACON 2022 - 10th Annual National Conference 2022 at Mumbai from 9th to 11th December 2022. Dr. Geetha Iyer delivered invited talks on “Ocular Chemical Injuries” and “MMG + Trichiasis Mx”; Dr Nivedita Narayanan on “Keratoglobus”; Dr N Radhika on “Risk factors for excess corneal scarring after Cxl and how to avoid them” & “Decision making in HSV grafts”; Dr Mamta Agarwal on “Herpetic Keratitis in children”, “Paediatric keratoplasty, “Case - DALK in a child with bilateral corneal keloid”, “Case - PK in a child with fire injury”, “Cornea & systemic diseases - Case - PK & Syphilitic keratitis” and a Poster entitled “Visual outcomes of keratoplasty in patients with herpetic keratitis”. Dr. Radhika was the judge for the “Free Paper 2 Ectasia” and



moderator for the session, "Near Live Surgery" and the panelist for the session on "Fungal Corneal disease". Dr. Rama Rajagopal was the moderator for the session on "Corneal Transplantation in Children" and gave a presentation on "Sclerocornea with RD". Dr Shweta Agarwal gave talks on "Approaches to acute chemical injury" "Role of Cryo therapy and Alcohol in the management of Fungal Keratitis", "CRYO-Alcohol To The Rescue-In Lieu Of Corneal Graft (Video Presentation)" and presented an e-poster entitled, "Depth, Size & the Microbe - The Triumvirate that prognosticates the outcome of Infective Keratitis". Dr Meena Lakshmiopathy was the moderator for the session on "Fungal Corneal disease".

45. Dr. Lingam Gopal, Dr.Pramod Bhende, Dr Muna Bhende, Dr. Pradeep Susvar, Dr. Suganeswari G, Dr.Dhanashree Ratra and Dr.Chetan Rao attended the 31st Annual Conference of Vitreo Retinal Society VRSI 2022 at Nagpur from 1st to 04th Dec 2022, Dr. Pramod Bhende received Dr. S S Hayreh Oration Award and he delivered a talk on "Surgical Strategies for stage 5 ROP". Dr. Pradeep gave a key note lecture on "Top tips in Scleral Buckling". Dr. Lingam Gopal was the panellist for the sessions on "Oncology - is it real or mimic?"; "Update session on Cell and gene therapy"; "VR surgical session - 2 what went wrong" and "Green Horn Session - RD with PVR". Dr Muna Bhende delivered an invited talk on "The Resistant disease —do I do something different? PCV/AMD/DME"; Dr. Suganeswari G on "Vascular tumor's & anti-VEGF"; Dr.Pramod Bhende "CRD- how is it different", and Dr.Dhanashree Ratra made a presentation on "My tips to handle RD with PVR". Dr Dhanashree Ratra was the panellist for the session on "Dialogue on Diabetic Diseases" and delivered a lecture on "My experience with Anti-VEGF in PDR". She was also the wise counsel panellist for the "What went wrong was it me or the disease" in the VR surgery session and panelist for the Accentrix Symposium. Dr. Chetan Rao made a presentation on "Endophthalmitis".
46. Dr V Jaya Prakash participated as a faculty and spoke at RPL- Radnet Premier League Debate "FFA versus OCTA in Chronic CSCR imaging: Which is superior?" organised by Radhatri Nethralaya on 22nd January 2023.
47. Dr. Rashima, Mr Syed Ibrahim A and Ms Rupa Nivethikka R attended the 73rd OCCUCON - Annual National Occupational Health Conference, conducted at Delhi between 18th and 21st January 2023. Dr Rashima made a presentation on "Occupational Hazards, Associated Ocular Morbidities and Impact of Refractive



- Safety eyewear among Agriculture Workers”; Ms Rupa Nivethikka on “Visual function impairment, Coping strategies and its impact on driving among drivers of South India” and Mr Syed Ibrahim on “Effect of high altitude and impact of Ultraviolet Radiation (UV) among Tea plantation workers”.
48. Dr Raaja Ganesh M attended the workshop on Electrophysiology and Applied Clinical Genetics 2023 at Narayana Nethralaya –Bangalore from 14th & 15th January 2023, He gave a talk on “Beyond the Horizons - An Interesting Case”.
 49. Dr Parthoprattim Dutta Majumder participated in the Eastern India Zonal Ophthalmological Congress — Webinar (ELZOC) on 15th February 2022. He was a moderator and organizer in the session “Voice of East”.
 50. Dr. T S Surendran, Dr. L Vijaya, Dr Ronnie George, Dr. Jyotirmay Biswas, Dr. Ambika S, Dr Rajiv Raman, Dr. Pradeep Susvar, and Dr. Sumita Agarkar participated in the 38th Asia—Pacific Academy of Ophthalmology Congress (APAO 2023) from 23rd to 26th February 2023 at Malaysia. Dr. Surendran chaired the session on “Strabismus and Amblyopia”; and Dr. Biswas on “Evolving Treatments of Non-Infectious Uveitis”. Dr. Vijaya chaired a session on “Epidemiology, Risk Factor, Lifestyle, and Genetics” and delivered an invited lecture on “Does Lens Extraction Lower IOP Sustainably in POAG and OHT”. Dr Rajiv Raman gave an invited talk on “Latest Advances in Surgical Retina”; Dr Ronnie George on “Can We Effectively Screen for Angle Closure?”; Dr. Ambika on “What’s New in the Management of Giant Cell Arteritis?”; Dr. Sumita Agarkar on “Resurgery in Strabismus: Tips and Tricks” and Dr. Pradeep on “Macula Buckle”.
 51. Dr. Sheila John attended the meeting conducted by Maharashtra Ophthalmic Society and Kamala Sundaram Foundation on 3rd to 4th March 2023 (Virtual meeting). She made a presentation on “Importance of performing research Research Methodology workshop”.
 52. Dr Parthoprattim Dutta Majumder made a presentation on “DO patients with HLA B27 requires Immunosuppression” in the “All India Ophthalmological Society” ARC_Updates Series in UVEA (Webinar) on 17th March 2023.
 53. Dr. Dhanashree Ratra gave a talk on “My tips to prevent PVR, from the frying pan into the fire” at the Reticon 2023 held at Chennai on 18th March, 2023.



54. Dr Rashima gave an invited talk on "Occupational Eye Health in India: Current Status and Way forward" at EyeCEP 2023 at 24th March 2023.
55. Dr.Radhika N attended the BOA Focus Eye Advance 2023 at Mumbai from 24th to 26th March 2023, she made a presentation on "Keratoplasty in HSV Corneal Disease" Co – Chairman "Spectrum of Viral Conjunctivitis".

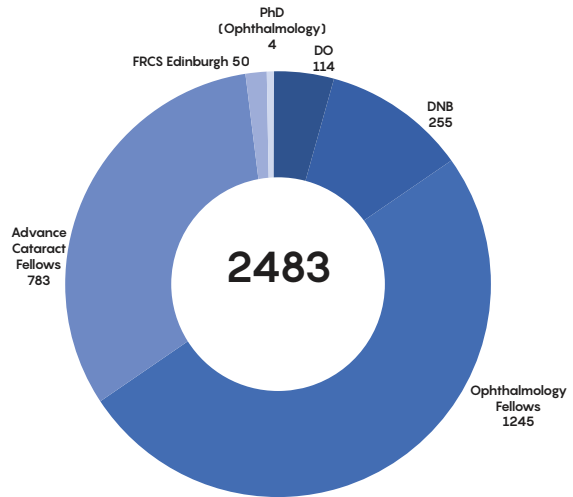
ACADEMICS & TRAINING



ACADEMICS & TRAINING

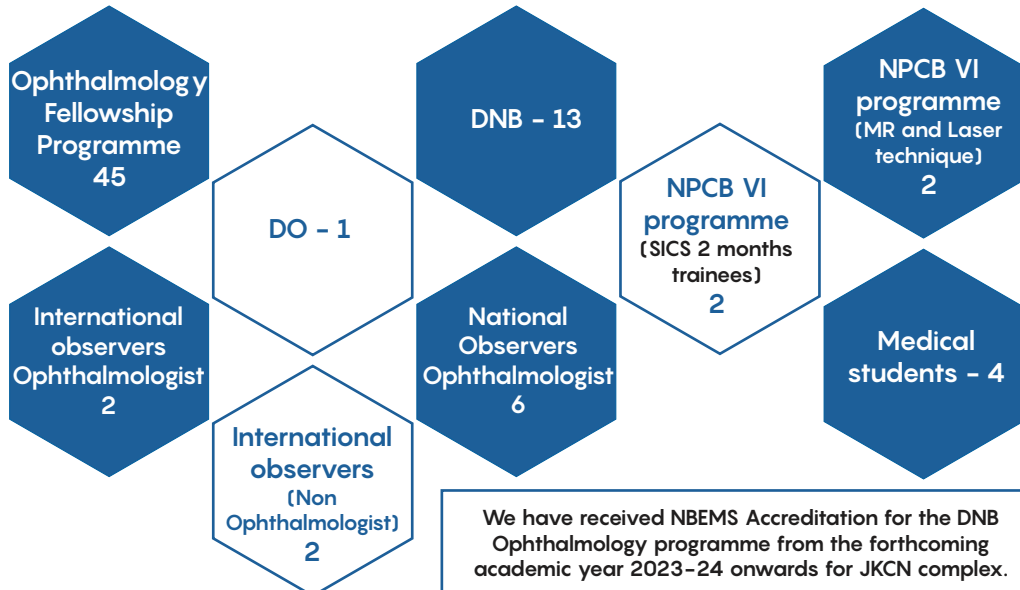
C U Shah Ophthalmic Postgraduate Training Centre


A total of 2483 Ophthalmologists have been trained by Sankara Nethralaya in Ophthalmology so far:



During the year of 2022-23 - total number of PG's, fellows and others trained:

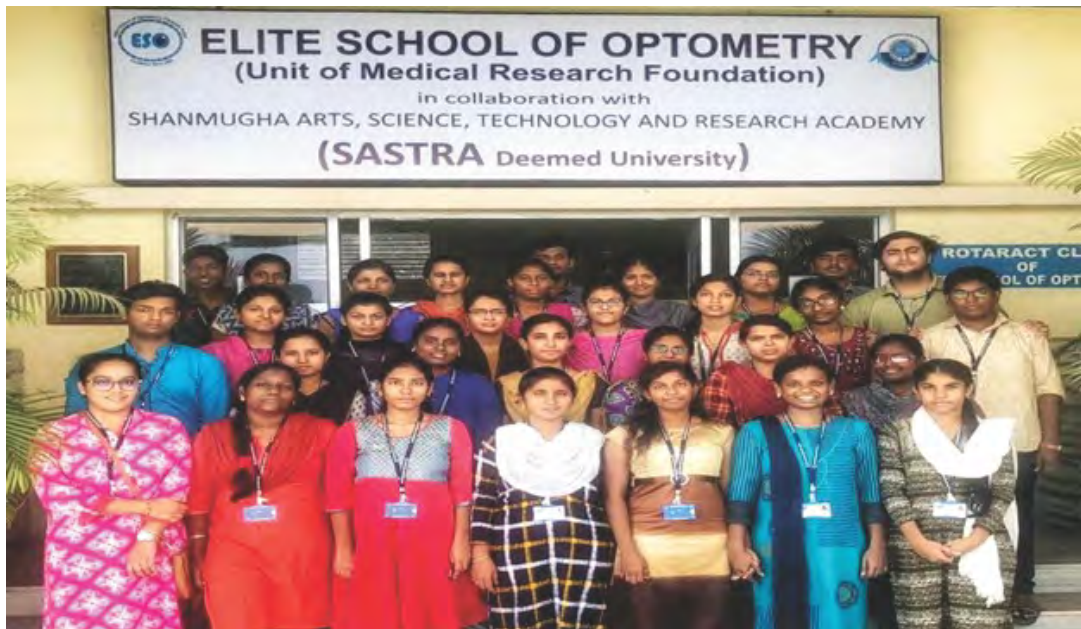
Total No of Students who completed their program





Elite School of Optometry

Founded in 1985, the Elite School of Optometry is the first college of optometry in India offering offering a four year professional degree (Bachelor of Optometry), a two year professional degree (M. Optom) with specializations in Optometry & Vision Science research, and a doctoral degree in Optometry. The ESO-SN Pediatric Optometry Fellowship aims to focus on a vulnerable section of patients who need extra attention while at an eye care facility.



Graduates during Academic year June 2021 – July 2022

- 27 Bachelor of Optometry graduates
- 9 Master of Optometry graduates
- 1 Ph.D. Scholar

In the Classroom
Undergraduates 123
Postgraduates 13
Ph. D Scholars 6

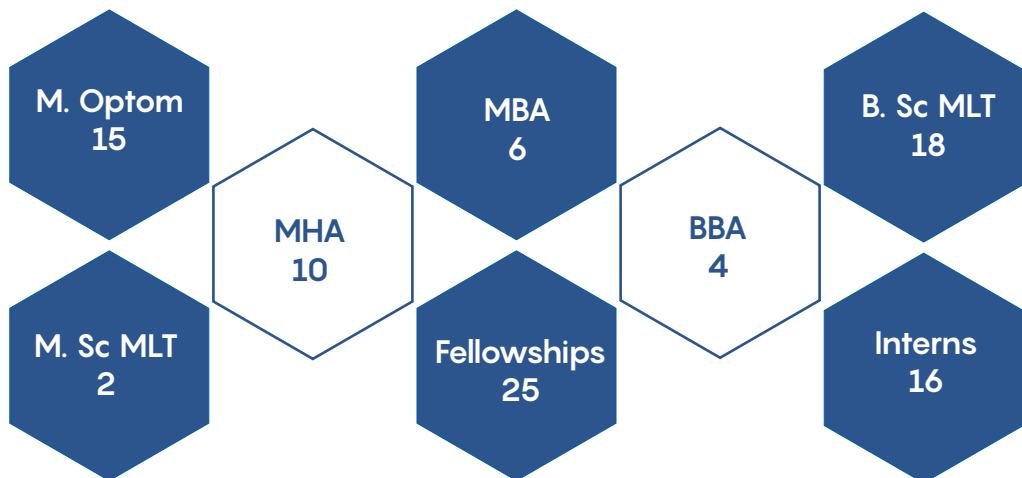


The Sankara Nethralaya Academy

The Sankara Nethralaya Academy (TSNA) is the academic wing of Sankara Nethralaya. Ideated to provide the healthcare industry and tertiary care centres like ophthalmic centres with qualified and energetic youth to take on the support roles that ensure the smooth running of entities such as Sankara Nethralaya, TSNA provides certificate to doctoral level programs in various fields including allied health sciences like Ophthalmic Nursing, Operation Theater Assistants, Medical Laboratory Technology, Medical Records, Optometry, Ophthalmology and MBA in Hospital & Health System Management.



Graduates during Academic year June 2021 – July 2022



96 students graduated from the portals of TSNA in the academic year 2022 — 2023



- By organizing various educational tours such as a visit to an industrial plant, CAREON, Cochin, Kerala, in April – 2022 for the students of the School of Management Studies, this academy aims to bring real-time knowledge to our students.
- The students also voluntarily participated and donated blood in the Blood Donation Camp organized by Arogyabharathi, Tamil Nadu for the 75th Independence Day Celebration in association with Government Stanley Medical College and hospital.
- TSNA organized the DATACON- 2022, 2nd Edition, in association with IAHDA on 27th & 28th August 2022. Around 200 participants actively took part in pre-conference workshop and Conference held via Hybrid Model.
- The Board of Studies meeting of BSc MLT and MSc MLT under “The Tamil Nadu Dr. MGR Medical University” conducted under The Sankara Nethralaya Academy (TSNA) was held on 28th Sep 2022 Wednesday at the TSNA campus
- TSNA - FOMS organized a campus interview for the outgoing MHA 2020- 22 Batch. Out of the ten students who attended the group discussion and interview conducted by the Panel of experts from Billroth Hospitals, six were shortlisted for the final interview, and four students were offered placements as Operations Executives.
- TSNA partnered with the Indian Optometric Association (IOA), an apex body involved in the promotion of Optometry as a Profession, to organize an awareness rally for World Optometry Day 2023 at Edward Elliots Beach, Besant Nagar, Chennai.



Department of Human Resources

As on 31/03/2022



Consultants*
142

Executives and
Optometrists
567

Staff
786

As on 31/03/2023



Consultants*
147

Executives and
Optometrists
530

Staff
821

*Includes Ophthalmologists, Anaesthetists & Physicians

Women's Day Celebrations

On March 8th 2023, the Women's Day celebrations brought together all the ladies of SN for an evening full of fun and games, seamlessly organized by the HR Department headed by Ms. Sudha Mohan, the event included a quiz, a blindfold makeup session, passing-the-parcel, and a hairdressing competition.

The games build a familial among our employees, and brought out their creativity as well as nurturing enthusiastic audience participation.



The games were designed with the aim to include all the employees gathered for the celebrations; with audience joining in, the evening was a rare chance for the Women of Sankara Nethralaya to let their hair down and take a break from their hectic roles at home as well as at work.



Dr. Radhakrishnan, Retired IPS Presides At The Republic Day Celebrations 2023

Sankara Nethralaya celebrated our nation's 74th Republic Day with great enthusiasm and fanfare along with the senior management, consultants, staff, students of Sankara Nethralaya's various educational institutions and their children at our main campus.

Dr. Nirmla Subramaniam, Emeritus Professor, Dept. of Oculoplasty received the prestigious 40 Years of Service Award from the Chief Guest with the audience giving a standing ovation. momentous occasion, she made contribution to a fund she had established for the treatment of congenital anomalies in children, which was received by Dr. Girish Rao and Dr. T. S. Surendran.

Other awards for SN employees such as recognitions for longer periods of service, regular attendance and merit awards for employees' children were also presented.





Sri Maha Periyava Aradhana and Dhingra Trust Awards

On 7th January 2023, the staff and employees of Sankara Nethralaya gathered at the Sri V. D. Swami Auditorium to observe the annual homage to the inspiration behind this institution- the Maha Periyava of Kanchi and seek his blessings.

Prof. Dr. V. Kamakoti, Director, Indian Institute of Technology Madras, who is faculty in the Department of Computer Science and Engineering presided over the evening's events and distributed the Dhingra Trust Awards to 12 meritorious students, much the pride and joy of their parents.

the Dhingra Family Trust was established in 2004 to provide scholarships for higher education to the children of Sankara Nethralaya's employees. The merit awards are given each year to benefit academically- inclined children.



HONOURS & AWARDS



HONOURS & AWARDS

- Indian Journal of Ophthalmology Gold award- for - A Delphi method based consensus statement for surgical management of proliferative diabetic retinopathy in India. Indian J Ophthalmol. 2021 Nov;69(11):3308-3318. Awarded on 4th June, 2022, 80th Annual All India Ophthalmological Conference, Mumbai 2nd-5th June, 2022
- Dr. V. V. Jaichandran received Certificate of Appreciation from the International Manual Small Incision Cataract Surgeons Association, for making contribution in the Global Training programme in Regional Ophthalmic Anaesthesia, June 2022.
- Prof. Dr. Jyotirmay Biswas MS. FMRF, FNAMS, FIC Path., FAICO, MNAsc, FRCS (Ed), Director of Uveitis & Ocular Pathology Department won the Dr. S K Lall Memorial Oration Award 2022.
- Dr. V. V. Jaichandran "Real Time View Mannequin for Practicing Needle blocks" was adjudged as the BEST INNOVATION'22 at the 14th International Conference of SAARC AA 2022, 14th August 2022, Kochi, India.
- Dr. Prema Padmanabhan received the ISCKRS Excellence Award for Outstanding Achievements in Cornea in August 2022
- Dr. V. V. Jaichandran received the Award for Excellence in Culture of Safety Design for SN at the 9th International Patient Safety Conference 2023 held on FEB 13-14 2023, Taj Palace, New Delhi.
- Prof. Dr. Jyotirmay Biswas MS. FMRF, FNAMS, FIC Path., FAICO, MNAsc, FRCS (Ed), Director of Uveitis & Ocular Pathology Department, won the 15th Indian College Of Pathologist Award 2022.
- Ms. T. S. Saumya won the "Winner of National champion award" for the year 2021-2022 conducted by BD (Becton Dickinson).
- Dr. Prabrisha Banerjee came 4th in ENTOD OPAI Quiz at OPAI Annual conference, Mumbai
- Dr. V. V. Jaichandran won the Runner up prize for ISA NATIONAL BEST INNOVATION AWARD at the Annual National ISACON 2022, Nov 25-29, 2022, Shillong, Meghalaya, India.



HONOURS & AWARDS



Dr. S.S. Badrinath
Founder – Sankara Nethralaya

honored as "Living Legends in Ophthalmology" by
The prestigious Indian Journal of Ophthalmology, April 2022

Sankara Nethralaya

won the

**Netra Samrakshak (Legendary Institution for
community services) Award**

at the first ever Rotary National Community Ophthalmology
Conference May 2022.



Sankara Nethralaya
Hospital Safety Commission

Wins 1st Place

Category: "Excellence in Culture of Safety Design"

**At the 9th International Patient Safety Conference,
2023**



HONOURS & AWARDS



Sankara Nethralaya

Department of Information Technology

On receiving the

**Global Digital Health Innovation Award 2022
At the Global Digital Health Summit 2022**

Dr. T. S. Surendran

Chairman & Director

Department of Pediatric Ophthalmology

was awarded the

Achievement Award

by the Asia Pacific Academy of Ophthalmology for making good contributions to the scientific programs of the APO Congress 2023.



Dr. L. Vijaya

Distinguished Senior Consultant,

Smt. Jadhavbai Nathamal Singhvee Glaucoma Services

received the

AIOS P. Siva Reddy International Awardee 2022

for her work on: "Population based study in India: Prevalence, incidence, and risk factors for Glaucoma."



HONOURS & AWARDS



Dr Pramod Bhende & Dr Dhanashree Ratra
received the prestigious
AIOS IJO Gold Award

They were part of a study published in the Indian Journal of Ophthalmology, which was judged as one of the best publications in 2021.

Dr. Durga Priyadarshini

was the Winner of
Best Poster Award in INOS 2022
for the poster titled "Unexplained vision loss in a HIV Infected Patient - A case report."



Dr. V. V. Jaichandran

Deputy Director of Anaesthesiology

Winner of the Bronze Medal

in the ISA Innovation Award Category

Project Title: "A Mannequin Based Training system for practicing Sub-Tenon's block"

At the National Annual Anaesthesia Conference (ISACON),



HONOURS & AWARDS



Dr. Dhanashree Ratra

Senior Consultant,
Shri Bhagwan Mahavir Department of Vitreo Retinal Services
received the

Honour Award for the year 2022 at the AIOC

for her contribution to the Indian Journal of Ophthalmology by voluntary involvement in the critical peer review process of the Journal and for excellence in the overall quality of scientific review, number of manuscripts reviewed and punctuality during the year 2022.

Dr. Divyansh Vinki Rughwani
&
Dr. Malekar Rutuja Ravindranath
won the
Divya Chaturvedi Gold Medal in Uvea 2022.



Dr. Gazal Patnaik

Associate Consultant, Department of Uvea Services,
Sankara Nethralaya, Rajarhat

On Receiving the

Dr. R.C. Meher Free paper Award

at the ELZOC Mid Conference 2022



HONOURS & AWARDS



Dr. Bristi Majumdar

2nd year DNB resident, Aditya Birla Sankara Nethralaya, Kolkata

Winner of the Best clinical photo

X Files : CME on Orbital and Adnexal Tumors, 5th Feb 2023.

Dr. Ahana Sen

3rd year DNB resident, Aditya Birla Sankara Nethralaya

1st Runner-up

Best Case Presentation (Adnexa session)

X Files : CME on Orbital and Adnexal Tumors, 5th Feb 2023.



Ms. Ishwarya S

Optometrist - Occupational Optometry Services

Golden Jubilee Medal

Best Paper Presentation at the National Conference of the Indian Association of Occupational Health, Presented by Indian Association of Occupational Health Tamilnadu Branch, 25 Sep 2022



HONOURS & AWARDS



Outlook

Presents

SAVE THE ^EYE
INDIAN ^EYE

BEST DOCTORS SOUTH 2022



*Ophthalmology
Paediatrics*
Dr. T S Surendran
Chennai



*Ophthalmology
Retinal*
Dr. Pramod Bhende
Chennai



*Pathology
General*
Dr. S Krishnakumar
Chennai



*Radiology
Diagnostic*
Dr. Veena Noronha
Chennai

Outlook magazine lists Dr. T. S. Surendran (Dept. of Pediatric Ophthalmology), Dr. Pramod Bhende (Dept. of Ophthalmology, Vitreo Retinal), Dr. Veena Noronha (Diagnostic Radiology), and Dr. Krishna Kumar S (Dept. of Pathology) among the Best Doctors in South - 2022.



HONOURS & AWARDS



Dr. T. S. Surendran — Chairman was honoured by the Charaka Award conferred by the Rotary Club of Guindy acknowledging his long years of dedicated service in the field of pediatric ophthalmology.



HONOURS & AWARDS



Dr. Pramod Bhende received Dr. S S Hayreh Oration Award and he delivered a talk on "Surgical Strategies for stage 5 ROP" at 31st Annual Conference of Vitreo Retinal Society VRSI 2022 at Nagpur in Dec 2022.



Dr. J Biswas was honoured Dr. S K Lall Memorial Oration Award 2022 in the 17th Annual Meeting of Haryana Ophthalmological Society held in Hissar on 21.01.2023 and 22.01.2023. His topic of oration was "TB or not TB".



HONOURS & AWARDS

Dr. Ronnie George received the "TOS Prof. Dr. V. Velayutham Glaucoma Oration Award 2022" at TOSCON 2022 held on 2nd October 2022.



*Hearty
Congratulations*

**International
Society of
Manual Small Incision
Cataract Surgeons
Association**

Presents
Certificate of Appreciation to

Dr. Jaichandran V V
Deputy Director of Anaesthesiology
Sankara Nethralaya

**for his contribution to their
global teaching programme.**



Dr. Jaichandran V. V. received the Certificate of Appreciation awarded by the International Society of Manual Small Incision Cataract Surgeons Association for his contribution to the Global ISMSICS - Teaching Programme



HONOURS & AWARDS

SANKARA NETHRALAYA

Heartiest Congratulations to

The Department of Orbit, Oculoplasty, Aesthetic and Reconstructive Services

for being a part of the COSMIC Study, which has won the prestigious

IJO PLATINUM AWARD

Observational Study > Indian J Ophthalmol. 2021 Jul;69(7):1670-1692.
doi: 10.4103/ijo.IJO_1565_21.

Epidemiology, clinical profile, management, and outcome of COVID-19-associated rhino-orbital-cerebral mucormycosis in 2826 patients in India - Collaborative OPAI-IJO Study on Mucormycosis in COVID-19 (COSMIC), Report 1

Dr. Kirthi Koka
Consultant
Department of Orbit, Oculoplasty, Aesthetic and Reconstructive Services

Dr. Sonam Poonam Nisar
Associate Consultant
Department of Orbit, Oculoplasty, Aesthetic and Reconstructive Services

Dr. Varsha Backiavathy
Associate Consultant
Department of Orbit, Oculoplasty, Aesthetic and Reconstructive Services

Dr. Kirthi Koka, Dr. Sonam Poonam Nisar & Dr. Varsha Backiavathy received the IJO Platinum Award for being a part of the COSMIC Study.

Glaucoma Dept Publication - Balekudaru S, Shah D, Lingam V, George R, George AE, Ganesh SK, Biswas J, Dutta Majumder P, Baskaran M. A comparative analysis of surgical outcome in uveitic and non-uveitic steroid-induced glaucoma in children. Indian J Ophthalmol. 2022 Dec; 70(12):4218-4225 has been selected for the IJO Gold Award for the year 2022.

Neuro Ophthalmology Dept Publication - Ambika S, Durgapriyadarshini S, Padmalakshmi K, Noronha V, Arjundas D. Clinical profile, imaging features and short term visual outcomes of Indian optic neuritis patients with and without seromarkers for myelin oligodendrocyte glycoprotein and neuromyelitis optica. Indian J Ophthalmol. 2022 Jan; 70(1):194-200 has been selected for the IJO Silver Award for the year 2022.



HONOURS & AWARDS



On the occasion of the Platinum Jubilee Celebration of the Indian Society of Anaesthesiologists (ISA), held at Chennai on 14-05-2022, ISA National President Dr. Venkatgiri K.M., Vice-President Dr. Anjali Rakesh Bhure, Secretary Dr. Naveen Malthora, and other office bearers honored our anaesthesiologist Dr. Jaichandran V. V. for his contributions in the field of Ophthalmic Anaesthesia.

**Heartiest
Congratulations**

Dr. Jyotirmay Biswas
MS. FMRF, FNAMS, FIC Path., FAICO, MNAsc, FRCS (Ed)
Director of Uveitis & Ocular Pathology Department,
Sankara Nethralaya, Chennai

**on crossing the milestone of
501 Peer Reviewed Publications**

Publications in Journals:
Peer Reviewed Publications Total No: **501**

Other Publications:
Non peer-reviewed : **111 +**
Inhouse: **78 +**
Chapters: **62 +**
Books: **4**

Dr. Jyotirmay Biswas, Director of Uveitis & Ocular Pathology Department, was honored for his 501st peer - reviewed publication.



HONOURS & AWARDS



*Hearty
Congratulations*

Dr. Jaichandran V V

Deputy Director of Anaesthesiology
Sankara Nethralaya

His innovation, "Real-time view
Mannequin for Practising Needle
blocks," developed along with
Department of Electrical
Engineering, IIT-M, Chennai was
adjudged as the
BEST INNOVATION'22

14th International Congress of
Anaesthesiologists - South Asian
Association for Regional
Cooperation - Association for
Anaesthesiologists
(SAARC AA 2022)



Dr. V. V. Jaichandran, received the BEST INNOVATION'22 Award at the 14th International Congress of Anaesthesiologists - South Asian Association for Regional Cooperation - Association for Anaesthesiologists (SAARC AA 2022) for his innovation, "Real-time view Mannequin for Practising Needle blocks." This innovation was developed in collaboration with Department of Electrical Engineering, IIT-M, Chennai.



HONOURS & AWARDS



Dr Geetha Iyer, received the First Prize in the Free Paper Category for the paper entitled "E-PIX : An Enhanced Classification for Acute Ocular Chemical Burns."



HONOURS & AWARDS



Sankara Nethralaya Bags Netra Samrakshak Award (Legendary Institution for Community Services)

Rotary International District 3190 and Rotary Avoidable Blindness Foundation conferred Sankara Nethralaya the title “Netra Samrakshak” (Legendary Institution for community services) in recognition and appreciation of our efforts in Community Eye Care.

Dr. Veena Baskaran, Head of Community Services received the award on behalf of our institution from PRID Rtn Dr. Manoj Desai and DG Rtn. Fazal Mahmood. The award was presented at the first ever Rotary National community ophthalmology conference organised by Rotary International District 3190 and Rotary Avoidable Blindness Foundation held in J.N. Tata Auditorium, Indian Institute of Science, Bengaluru on May 21 –22 2022.



HONOURS & AWARDS



Dr Sujatha VK, received the Ruby Banik award for the best Research in Clinical Ophthalmology for her presentation entitled “Clinical utility, feasibility of home tonometry using Icare HOME by glaucoma patients” at the 14th November 2022.



Dr. Himanshu Kashyap received the Swarnalatha Punshi award for the Best Research Fellow in Clinical Ophthalmology for her presentation.



HONOURS & AWARDS

SANKARA NETHRALAYA

Congratulations

Dr. Najiya Sundus K. Meethal
on obtaining her Ph.D on February 21, 2023

Ph.D. thesis title: "Functional Biomarkers to Assess Visual System Integrity: An eye tracking based approach"
Guide: Dr. Ronnie George, Director, Glaucoma Department, Sankara Nethralaya,
Prof. Hans van der Steen, and Dr. Johan Pel (Department of Neuroscience, Erasmus MC)

Ms. Najiya Sundus K. Meethal received the Ph. D degree on February 21, 2023. Her Ph.D. thesis titled "Functional Biomarkers to Assess Visual System Integrity: An eye tracking based approach" under the guidance of Dr. Ronnie George.



HONOURS & AWARDS



Ms. Janani S, Optometrist, Occupational Optometry Services, won the Dr. P. P. Santanam Medal for Best Paper Presentation at the 69th Annual State Conference of the Indian Association of Occupational Health, Tamilnadu Branch, on 25 Sep 2022.



HONOURS & AWARDS



Ms. Najiya Sundus K. Meethal (under the scientific category), Ms. Akshaya C. Balakrishnan, and Mr. Ronit Dutta (under the clinical category) conferred Fellows of the American Academy of Optometry (FAAO) at the 100th Annual Meeting held at San Diego, CA in October 2022.



HONOURS & AWARDS



Mr. Asif Iqbal, was awarded the International Association of Contact Lens Educators IACLE Travel Award (IACLE), He received \$3000 for attending the conference and a certificate to mark the award. The award will be presented at the American Academy of Optometry meeting in San Diego, USA (October 26-29) during the International Reception.

SNA students win laurels in 3rd International IVI Conference



The 3rd IVI International Optometry Conference on the Theme: “Of Eye Health in a Changing World” was held at the IIT — Madras Research Park, Taramani Campus from 13th to 15th October 2022 in hybrid mode. A total of 13 abstracts were submitted from TSNA in the scientific session.

There was a tie- breaker between two of TSNA’s M. Optom., 2nd year students, Ms. Indira Rengarajan and Ms. Shagufa Behlim, who won the Best paper presentation under the category of Low Vision and Rehabilitation. Ms. Sowmya V K, won the best paper award under the category: “Spectacle Dispensing Trends.” Dr. Anuja R Singh won the best paper under the education category for her work on “Assessment Methods in Optometry Education.”



HONOURS & AWARDS

Sankara Nethralaya Wins the Global Digital Health Innovation Awards 2022





HONOURS & AWARDS



Sankara Nethralaya won the Global Digital Health Innovation Awards 2022 for developing innovative, accessible and affordable product/service to transform healthcare.



The Nethralaya Philosophy

*Let the word "Sankara" of Sankara Nethralaya
ever remind me and my associates of His Holiness' command that
there be a missionary spirit in the project.*

*Let the word "Nethralaya" constantly remind me and my colleagues
that the place of our work is an alaya. Work will be our worship which
we shall do with sincerity, dedication and utmost love.*

**Today morning I entered the Temple of the Eye.
This mission is God's mission.
The country salutes Sankara Nethralaya**

- Dr.APJ Abdul Kalam, former President of India



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