Introducing SSN, A centre of Excellence:

Sri Sankaradeva Nethralaya, located in Guwahati, Assam, India besides being a world class eye hospital and Service Organisation, is also an acclaimed center for Postgraduate training, research and rehabilitation. Within 10 years of its humble beginnings in 1994, the Institution has grown over 10 times only to maintain its unflinching commitment to the ever increasing patient fraternity.

Divine grace, people's participation, untiring human effort and efficient management are the key factors behind this achievement. The Institution has chalked out many other programmes for future implementation, keeping in mind the human need.

Patient Care:

SSN has converted into reality, the belief that the most modern and best service is useful only if it is provided at an affordable cost. A team of experienced, qualified & competent medical professionals and paramedics remain vigilant to serve throughout the year. Latest technology and techniques enable us to serve with more precision and perfection. Our determination is to give comprehensive eye care to all.

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Sri Sankaradeva Nethralaya
Service Organisation & Post Graduate Institute of Ophthalmic Sciences
Guwahati - 781026, Assam, India
Fax : + 91 - 0361 - 2228678, Web : www.ssnguwahati.org
E-mail : ssnghy1@sify.com / info@ssnguwahati.org
Speciality Clinics:
For better eye care, the best proven method is service delivery through speciality clinics. SSN has all speciality clinics like;

- Botulinum Clinic
- Laser Clinic
- Cataract & Refractive Surgery
- Medical Retina Clinic
- Contact Lens & LVA Clinic
- Nasal Endoscopy Clinic
- Cornea Clinic
- Ocular Prosthetic Clinic
- Electrodiagnostics Clinic
- Orbit & Oculoplasty Clinic
- FFA & Medical Photography Clinic
- Retina & Vitreous Clinic
- Glaucoma Clinic
- Squint & Orthoptics Clinic
- State-of-the-art Operation Theatre

Capacity Building:
SSN has assisted in establishing and developing human resource for a number of eye hospitals at different locations in order to cater to the greater human need and to spread quality eye care services to a wider area.
**Training and CME programme for Human Resource Development:**

- DNB course: Ministry of Health & Family Welfare, Govt. of India
- Post doctors fellowship programme
- Cataract Surgery training programme: National Programme for Control of Blindness (NPCB), Ministry of Health & Family Welfare, Govt. of India has recognised Sri Sankaradeva Nethralaya as a training center for cataract surgery. The duration of the training is two months. Trainees from various parts of the country have been attending the programme. For adequate training, Sri Sankaradeva Nethralaya has set up a wet lab equipped with state-of-the-art operating microscope, video documentation facilities and microsurgical instruments.
- Wet lab training: for the post graduate students
- The institution maintains an annual calendar for academic curriculum, CME and other programmes.

**Collaboration:**

Human society thrives on collaboration. SSN aspires to provide a comprehensive eye care service to all. To that end, it has collaborated with, among others:

- North Eastern Council: Ministry of Home Affairs, Govt. of India
- Dept. for Development of North Eastern Region (DONER)
- National Programme for Control of Blindness: Govt. of India
- Ministry of Social Justice and Human Empowerment, Govt. of India
- Composit Regional Centre (CRC) Training programme: Ministry of Health & Family Welfare, Govt. of India
- Ramakrishna Mission
- Rotary International, India
- Lions Club International, India
- Bharat Vikas Parishad, India
- Help Age India
- ORBIS International, USA.

For better paediatric eye care, Sri Sankaradeva Nethralaya is in the process of establishing a dedicated paediatric ophthalmology unit with ORBIS International. Under this project, service will be delivered to the grassroot level in collaboration with other Non-Government Organizations.

The aim will be primary screening of school children and development of manpower.
- W S Martin Foundation, USA
- Gauhati University, India and many other NGOs.

**Community and Outreach Service:**

North-eastern states constitute 20% of the total land area of India and is home to 4% of the total National population. Most of the people living in this largely underdeveloped area are economically underprivileged. SSN launched an outreach programme in the year 1997.

The programme constitutes screening service at the door step, two-way patient transportation, stay at the Community Service centre with medical and surgical treatment at the base hospital. The entire system involves no cost to the patient.

**Eye Banking:**

Corneal blindness is the third single most common cause of blindness in India. The Eye bank of SSN was established in the year 1997. Besides conducting over fifty Public Awareness programmes, SSN has carried out till date 77 number of corneal transplantations with an over all success rate of 80%.
Assessment of severity of retinopathy and concurrent ocular and systematic diseases in diabetics in a referral hospital (poster, author) AIOC, 2003.

Photocoagulation treatment in Eales disease - long term follow up of 57 cases (poster, author) AIOC 2003.

Mycophthalamia with complicated retinal detachment - outcome of vitreoretinal surgery (poster, co-author) AIOC 2003.

Photocoagulation treatment in Eales disease - long term follow up of 57 cases (poster, author) AIOC 2003.

Mycophthalamia with complicated retinal detachment - Outcome of vitreoretinal surgery (poster, co-author) AIOC 2003.

Transpupillary thermotherapy (TTT) for subfoveal choroidal neovascularisation (CNV) in North East India - a prospective study (paper, co-author) AIOC 2003.

Therapeutic role of probing in adults: a prospective study (paper, co-author) AIOC 2003.

Role of albendazole therapy in orbital cysticercosis (paper, co-author) AIOC 2003.


Transdermal nitroglycerine therapy for retinal arterial occlusion - a promising approach (poster, co-author) First SERI ARVO, 2003, SINGAPORE.

Lightning induced ocular injuries - analysis of 5 cases (paper, author) presented in 6th International Advanced Vitreoretinal Surgery Course, Chennai.

"Spontaneous carotid cavernous sinus fistula in Hypertensive patients" (paper, co-author), 14th All India Oculoplasty Conference, Jala, 2003.

Orbital abscess in children (paper, co-author), 14th All India Oculoplasty Conference, Silchar, 2003.

Presented five 'papers' and one 'video' in Eastern India Zonal Ophthalmological Conference, Jala, 2003.

Host faculty in the CME on Neovascular (exudative) age related macular degeneration, 1st Nov, 2003. Topic "Transpupillary thermotherapy and its application in AMD".

Host faculty in National Orientation Module for Ophthalmologist, December, 2003 on evaluation of diabetic retinopathy.

Initiated a new training programme for DNB students, 'Look & Think' to improve skills for diagnosis and management of retinal diseases.
Dr. Kasturi Bhattacharjee, MS, DNB, FRCS (Ed)
Associate consultant

PRIZES AND MEDALS:

Receiving the SANTE VISION Award for the Best Paper in the Cataract session of All India Ophthalmological Society Conference from the Honble Health Minister, Delhi in January 2003.

Recipient of the Best Paper Award in the Annual Meet of Oculoplasty Association of India at Jalna, Maharashtra in July 2003.

Research papers presented in conferences:

"Management of Anophthalmic Socket", presented as a guest faculty at the 14th Annual Meet of Oculoplasty Society of India at Jalna, Maharashtra in July 2003.


"Recent advances in IOL (Silicon Vs Hydrophilic Acrylic)", presented as a guest faculty at the All India Ophthalmological Society Meet at Varanasi in January 2004.


"Profile of Proptosis in a Tertiary Eye Care Centre - A review of 49 cases", presented at the All India Ophthalmological Society Conference at Varanasi in January 2004.

"Primary Implant in Eviscerated Socket" - A poster, presented as co-author in All India Ophthalmological Society Conference at Varanasi in January 2004.

"Secondary Lid Repair following Road Traffic Accident" - A poster presented as a co-author in the All India Ophthalmological Society Conference at Varanasi in January 2004.

"Firearm injury of Orbit" - A poster, presented as co-author in the All India Ophthalmological Society Conference at Varanasi in January 2004.

"Rare Orbital Tumors - A series of 11 cases" presented as a poster in International Conferences of Ocular Oncology at Hyderabad, between 23rd & 27th January, 2004.

"Primary Malignant Tumours of Eyelids In Easterb Indian Population" - Poster, presented as a co-author in International Conference of Ocular Oncology at Hyderabad between 23rd & 27th January, 2004.

"Acute Progressive Multiple Cavernous Haemangioma of Orbit in the Young Age Group" - A Report of 2 Cases as a co-author in AAOS Conference at Silchar in October 2003.


"Traumatic phacocele - Review of 4 Cases" as a co-author in AAOS Conference at Silchar in October 2003.

"Spontaneous Carotid Cavernous Fistula in Hypertensive Patients" - Experience in 3 Cases as a co-author in AAOS Conferences at Silchar in October 2003.

"A Case Of Hasimoto's Thyroiditis With Ocular Involvement" as a co-author in AAOS Conference at Silchar in October 2003.

"Role of Cryoprobe in Surgical Extraction Of Orbital Tumour" as a co-author in AAOS Conference at Silchar in October 2003.

"Dermomat Graft In Contracted Anophthalmic Socket" as a co-author in AAOS at Silchar in October 2003.
Publications:

Published in the Cataract & Refractive Surgery Journal of America & Europe "ECCE + PC IOL in a case of Retinoblastoma - 12 years follow up", 2003.

Accepted for publication in the Cataract & Refractive Surgery Journal of America & Europe "Dropped ECR & IOL - A case report", 2003.


As a faculty member:

As a guest faculty in the National CME on Ocular Trauma at S2 Base Hospital, Guwahati in 2003.

"Management of Eyelid Trauma", presented as a guest faculty in the Mid-term Meet of the All Assam Ophthalmic Society on Oculoplasty.

"Management of Paralytic Ectropion", presented as a guest faculty in the Mid-term Meet of the All Assam Ophthalmic Society on Oculoplasty.

"Management of Anophalthic Socket", presented as a guest faculty in the Annual Meet of the Oculoplastic Association of India at Jalna, Maharashtra in 2003.

As a guest faculty in the instruction course on Recent Advances in IOL at All India Ophthalmological Conference at Varanasi in January 2004.

Miscellaneous:

Editor, Journal of Eastern India Ophthalmologic Society; Organising Secretary, 15th Annual Meet of the Oculoplastic Association of India.

Dr. Damaris Magdalene, Associate Consultant

Attended IACLE Members Meet at Delhi on 29th March 2003.

Conducted STUDENT TRIAL EXAMINATIONS for Optometry students on 3rd May 2003. Only 2 optometrist appeared and both cleared the exam with more than 60% marks.

Took classes for RIPAN, nursing students and for Ophthalmic technicians on the topics: Optics and Refraction, Squint, Anatomy and Physiology of the eye, Refraction and Contact Lenses. (May and June, 2004).

Organised the one day sensitization cum workshop on Early intervention of Children with visual impairment and low vision, conducted by CRC and SSN on 21st July 2003; Gave a guest lecture in the same.

External Faculty for the 28th batch of Orientation and Mobility Training Course (approved by Rehabilitation Council of India). 20 hour lectures were given on various topics of the eye.

Presented three papers in August 15th at the SROC conference in Chennai.

i) Comparison of contrast sensitivity between glasses and soft CL

ii) Spherical contact lens and astigmatism

iii) Sleep and contact lens

Organised the National Orientation Module for Ophthalmologists at SSN Ghy., in collaboration with NIVH, Dehra Dun from December 17th - 19th, 2003; gave 2 guest lectures in the same.

Had taken part in the regular classes and seminars and was a discussant in squint and contact lens related topics.


Dr Satyen Deka, MS
Associate consultant (Vitreo Retina Service)

Awards:

Received Young Investigators Merit Award in Clinical Ophthalmology in the First SERI-ARVO Meeting held at Singapore.

Publications:

"Update on diabetic macular edema" - review article sent for publication in the Journal of EIZOC, next issue.

Presentations:

"Transscleral Thermotherapy (TTT) for subfoveal choroidal neovascularization (CNV) in Northeast India - A Prospective study" - Paper presented at the All India Ophthalmic Conference held in Delhi in 2003.

"Vitrectomy for Post-operative Vs Post traumatic Endophthalmitis - A comparative study" - Paper presented at the All India Ophthalmic Conference held in Delhi in 2003.

"Microphthamia with complicated retinal detachment - Outcome of Vitreoretinal Surgery" - Paper presented at the All India Ophthalmic Conference held in Delhi in 2003.

"Modified Sutureless Vitreoretinal Surgery - A newer technique" Video presented at All India Ophthalmic Conference held in Delhi in 2003.

"Transdermal Nitroglycerine therapy for retinal artery occlusion - a promising approach" - Presented at the First SERI-ARVO Meeting held in February 2004 in Singapore.

"6/6 visual recovery from no perception of light in accidental intracocular local Anesthetic - A 96 hour's expedition" Poster presented in the 6th International Advanced Vitreoretinal Surgery Course (IAVRS) held in August 2003 at Chennai.

"Self-sealing sclerotomy - A reverse way" - Video presented at the 6th International Advanced Vitreoretinal Surgery Course (IAVRS) held in August 2003 at Chennai.
"Inverted Pneumoretinopexy - A new technique" - Video film presented in State Conference (Assam) in October 2003 at Silchar.


"Posterior segment slit lamp Biomicroscopy" Instruction course lecture delivered in State Conference (Assam) of October 2003 at Silchar.

"Indirect Ophthalmoscopy - Fundus drawing and special application" Instruction course lecture delivered in State Conference (Assam) of October 2003 at Silchar.

"Outcome of macular hole surgery - Our experience" paper presented in State Conference (Assam) of October 2003 at Silchar.

"Regression pattern and retreatment requirement of subfoveal CNVM following TTT - Our experience" paper presented in State Conference (Assam) of October 2003 at Silchar.

"Science of Photodynamic Therapy" delivered lecture in CME programme on Wet AMD in November 2003 at SSN, Guwahati.

"Pathogenesis and Screening protocol of Diabetic Retinopathy" Diabetic lecture delivered in National orientation module for ophthalmologist in collaboration with NIVH Dehradun in December 2003 at SSN, Guwahati.

Dr. Kalyan Das, Associate Consultant

Articles:

Wrote article on "clinical approach to anterior uveitis" for the Journal of ROI Alumni meet.

Wrote article on Eye banking in North East India for the Journal of Lions Club.

Presentation:

Video presentation at AIOS, New Delhi "scleral fixation IOL, a new modified technique".

Workshop on phacoemulsification, on 22nd Feb 2003 at Siliguri - "Surgical anatomy in relation to phacoemulsification".

CME on dry eye and ocular surface disorder at SSN on 2nd March 2003 - "Classification, immunology and pathology of dry eye and ocular surface disorder".

Co-authors at Silchar All Assam Ophthalmological Conference 2003 October, - "Pediatric cataract management", and "Eye banking in North East India".

Given talk on "phacoemulsification technique" at NPCB global training at SSN.

Attended:

Observer ship training course on "Cornea - external disease and refractive surgery" from August 29th, 2003 at Moorfields Eye Hospital, London.

Dr. Jayanta Kumar Das, DQ, DNB, Associate Consultant

Article Published (as an author):

Surgical management of orbital cysticercosis (journal of Eastern India)

Paper presented at National Level (as an author)

"Orbital abscess in children", 14th annual meet, Oculoplasty association of India Jaina.

"Spontaneous carotid cavernous fistula in hyperensive patient", 14th annual meet, Oculoplasty association of India.

"Role of oral Albendazole therapy in orbital cysticercosis, 61st, Annual conference of All India Ophthalmological Society.

(As a co-author):-

"Comparative analysis between Hydroxyapatite and Silicon implants in anophthalmic Socket", 14th annual meet, Oculoplasty Association of India, Jaina.

"Therapeutic role of probing in adults", 61st, Annual conference of All India Ophthalmological Society.

"Complications of fluorescein angiography-retrospective analysis of 10,800 cases", 61st, Annual conference of All India Ophthalmological Society.

Film Festival:

"Retinoblastoma - model for early detection and management", 61st, Annual conference of All India Ophthalmological Society.

Poster at national and international level as a author.

"Colour Doppler imaging in orbital disorders", 61st, Annual conference of All India Ophthalmological Society.

"Primary malignant tumors of eye lid", in Eastern Indian population (Accepted for XI - International Congress of Ocular Oncology, Hyderabad)

(As a co-author):

"Assessment of severity of Retinopathy and concurrent ocular systemic diseases in diabetics in a referral Hospital", 61st, Annual conference of All India Ophthalmological Society.

Award: Won best paper award as a co-author at 14th annual meet, Oculoplasty association of India, Jaina.

Dr. B.M. Agarwal, MS, Junior Consultant

Attended Indian Eye Banking Education Program (IEBEP) 2003 held at LVPEI Hyderabad on February 14 - 15.

Participated as a speaker on limbal Stem cell concept on 46th CME of Sri Sankaradeva Nethralaya on 2nd March 2003. (Dry eye and ocular surface disorder).


Participated as a speaker in the Instruction course on slit lamp biomicroscopy in the 18th EIZOC held at Silchar.

Presented Video film on “Conjunctivo Limbal Autograft with Anti metabolite (MMC) - An Ideal Approach to Recurrent Pterygium” in the 16th EIZOC held at Silchar.

Accepted for publication in Eastern Zonal Journal on “Surgery in Primary Pterygia : Adjunctive MMC versus Conjunctival Autograft”.


Co-author in free paper - “TTT for localized choroidal haemangioma with retinal detachment - 3 case reports” presented in January, 2004 at AIOS, Varanasi.


Dr. S.K. Roy, (MS, DNB), Junior Consultant


Selected for publication at Eastern Zonal Ophthalmological Society Journal titled ‘Ultrasound Biomicroscopy - a modern adjunctive diagnostic tool’.

Attended ‘Glaucoma Update’ by Sankara Nethralaya and SNEC at Chennai in December 2003.


Scientific paper titled ‘Correlation of IOP measured with Goldmann Applanation Tonometer, Tonopen and Non-contact Tonometer’ presented at All India Ophthalmological Conference at Varanasi, in January 2004.


Dr Dipankar Das, (MS), Junior consultant

Presentations:

Presenting author of free paper-“Histopathological Analysis of 232 Eyes with Retinoblastoma in an Ophthalmic Pathology Laboratory” on behalf of Sankara Nethralaya, Chennai, INDIA in AIOC, 2003, New Delhi.

Presenting Author in a Scientific Poster-“A Rare Case Of Von Hippel Lindau Disease with 15 Years follow up” in AIOC, 2003, New Delhi.

Presenting author in a Scientific poster-“Harada’s Disease-A Case Report” in International Symposium on Intraocular Inflammation, 1st & 2nd March, 2003 at Bangalore.


Co-Author of Free paper-“Varied presentation of Geographical Choroidopathy-A series of 9 cases” in International Symposium on Intraocular Inflammation,1st & 2nd March, 2003 at Bangalore.


Presenting author of Free Paper-“Four Atypical cases of Panuveitis-Am I correct in my diagnosis?” in SILEIZOC, 18th Annual Conference of The Eastern India Zonal Ophthalmological Congress and 35th All Assam Ophthalmological Conference, Silchar, Assam.

Co- Author of Free Paper-“A case of- Hashimoto’s Thyroiditis with Ocular involvement” in SILEIZOC, 18th Annual Conference of The Eastern India Zonal Ophthalmological Congress and 35th All Assam Ophthalmological Conference, Silchar, Assam.


Scientific poster in AIOC, 2004, Varanasi - “Harada’s disease - A series of 7 cases”.

Scientific poster in AIOC, 2004, Varanasi - “Spectacle show - It’s evolution, development and future”.

Co-author in Scientific poster - “Gnaathostoma intestation in the vitreous cavity”.

“A Rare case of retrolbar Arachnoid cyst” : A brief case report in International Congress of Ocular Oncology,Hyderabad,INDIA

Publications:


Distinguished Visitors:

"It is doing excellent" C.P Thakur - Union Minister, DONER

"It was very heartening to see the state-of-art equipment available for citizens of this country. The spotless ambience is indicative of the care with which patients are treated. May this centre go from strength to strength."
Ruma Pal, Judge, Supreme Court of India.

"Sri Sankaradeva Nethralaya has established a tremendously useful facility in Guwahati which has already proved to be a great boon to the entire region. This hospital has been equipped with state-of-the art facilities run by a team of dedicated professionals under the leadership of Dr Bhattacharjee.

We have been associated in PMO indirectly though, with its activities. It was a great privilege to be able to see it first hand today.

I have no doubt that the institution will grow from strength to strength"  Ashok Salikia, Addl. Secy., Prime Minister's Office, New Delhi

* I salute the excellent service that is being provided by this hospital. Eye care is critical and I am happy that the most up-to-date facilities are available. This hospital is the result of dedication, commitment and selfless service*  C. Rangarajan, Chairman Xth Finance Commission

Clinics to Laboratory:

Laboratory Science provides the basis for understanding diseases and their response to treatment. It also is the home ground for research activities. SSN has established Microbiology and Ocular Pathology laboratories in June 2003.

Award: Won best paper award as a co-author at 14th annual meet, Oculoplasty association of India, Jalna
Overseas tour

Dr. Prafulla Sarma, Senior Consultant, attended "Glaucoma in the 21st century - setting the pace, staying the course", an International Symposium held at Monte Carlo in June, 2003.

Dr. Kalyan Das, Associate Consultant visited Moorfields Eye Hospital, London from 4th to 29th August, 2003. His area of interest is "Cornea - external disease, and refractive surgery". During his stay at Moorfields Eye Hospital, a tertiary care referral ophthalmic hospital under National Institute of Health (NIH), UK, he gained vast experience in the field of refractive surgery like LASIK, LASEK, PRK.

Dr. Nilupal Borah, Associate Consultant and Dr. Satyen Deka, Associate Consultant attended the First SERI-ARVO Meeting on Vision and Ophthalmology held at Suntec City, Singapore from 6th to 9th February, 2003. They presented clinical papers and posters in the said conference, Dr. Satyen Deka received the prestigious Young Investigators Merit Award for his Poster titled, "TRANSDERMAL NITROGLYCERINE FOR RETINAL ARTERY OCCLUSION - A PROMISING APPROACH". The poster was selected for the award among 353 research papers/posters presented by researchers all over the world. He was the only Indian to receive this award. They had also visited the Singapore National Eye Institute (SNEC) and discussed about various research projects undertaken by the Institute.

Dr. S. K. Buragohain, Junior Consultant attended the Annual Conference of the American Academy of Ophthalmology held at Anaheim, California, USA from 15th to 18th November, 2003. He also underwent a training course in Ocular Ultrasonography and UBM at New York Eye and Ear Infirmary in Manhattan, New York.
Overseas tours of Consultants of Sri Sankaradeva Nethralaya in the year 2003

The Medical Director attended the conference of American Society of Cataract & Refractive Surgery at San Francisco, USA in April 2003. He was accompanied by Dr. (Mrs) Kasturi Bhattacharjee, Associate Consultant. There they met a number of international stalwarts of ophthalmology and had good scientific interactions and exchange of scientific and academic thoughts. Dr. Blumenthal of Israel, who is the pioneer of Small Incision Cataract Surgery was highly impressed of the activities of Sri Sankaradeva Nethralaya.
# Performance at a glance

## I. OPD and Indoor attendance:

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## Cost of free treatment during the period:

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## II. Special OPD Procedures / Investigation:

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## III. Surgery details:

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