The year 2002 was very eventful for Sri Sankaradeva Nethralaya. Operation theatres were commissioned in the new hospital building. To commemorate this a National Scientific Meet- "SSN Retina Congress 2002" was organized successfully. A weeklong regional workshop - 'Train the Trainer and Updation of Ophthalmologists' was also conducted successfully with WHO assistance under the NPCB Programme of Govt. of India. The academic activities and the patient care services were very satisfactory. Dr. (Mrs.) Kasturi Bhattacharjee, Associate Consultant got success in the FRCS examination appeared by her in November, 2002 at Edinburgh in UK, thereby earning the distinction of becoming the first and the only lady Ophthalmologist from the entire Northeastern region to have qualified the FRCS. She was also the recipient of 'SANTEVISION' award. Union Minister of Health & Family Welfare Shri Shatrughan Sinha visited our institution and expressed his profound satisfaction. During the year the outreach community Service Centre's activities had been intensified. The Out Patient Department Module - II was inaugurated by His Excellency Lt. Gen. (Retd.) S. K. Sinha, Governor of Assam. An eye hospital at Shillong started functioning with technical assistance from Nethralaya. Sophisticated and state-of-art equipments and instruments like Digital Imaging System, ICG and Diode Laser for TTT, 553 Double frequency Yag Laser etc. were procured to strengthen our investigation and treatment wings. The first batch of Postgraduate (DNB) students appeared for their final examination.

MEDICAL RETINA SERVICE

The Medical Retina Service is a specialized area in ophthalmology. In our institution, Medical Retina comprises of mostly investigative procedures like Fundus Fluorescein Angiography (FFA), Indocyanine Green Angiography, B-Scan Ultrasound, Electrophysiology test, visual field analysis, contrast sensitivity test, colour vision analysis etc. A well-equipped photography unit attached to the Medical Retina Service performs intraocular and external photography. In 2001-2002 the various procedures performed were Fundus Fluorescein Angiography (FFA) - 4075. Most of the cases of FFA were Diabetic Retinopathy, Hypertensive Retinopathy, different retinal vascular lesions, CSR, ARMD, CNVM, hereditary maculopathy, choroiditis, diabetic nerve head pathology, trauma and unexplained visual loss. During the period, 5626 cases of B-Scan Ultrasound were performed for vitreoretinal pathology, orbital pathology and trauma. Ultrasound-guided aspiration biopsy and Ultrasound-guided drainage of the orbital cases were also performed in this department. Electrophysiology tests were performed in 1029 cases.

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Web: www.ssguwahati.org
E-mail: ssnhyt1@yahoo.com
LASER UNIT

The Laser Unit consists of Argon Laser, Diode Laser & Double Frequency Yag Laser. Laser Photocoagulation was performed in 5461 cases. The commonest indication of Photocoagulation was Diabetic Retinopathy. The other indications were vascular occlusive disease, retinal degeneration, CSR, Argon Laser Hyaloidectomy etc. TTT was performed in 40 cases of CNVM.

SURGICAL RETINA VITREOUS SERVICE

The Retina Vitreous Centre at SSN is equipped with state-of-the-art equipment and skilled manpower. The number of patients requiring Retina Vitreous services is rapidly rising. The commonest indication for vitrectomy in our institution is vitreous haemorrhage out of proliferative diabetic retinopathy. The other routine practices of this unit are surgery for the macular hole, removal of intraocular foreign bodies, endophthalmitis, epiretenal membrane surgery, diabetic macular edema, dislocated lens & IOL etc. The different surgical procedures performed under this unit are:

1. Pars Plana Vitrectomy  857
2. Scleral Buckling  152
3. Silicone Oil Removal (SOR)  101
4. Pneumoretinotomy  25
5. Combined Surgery  30
6. Scleral Fixated IOL  77
7. Buckle Removal  5
8. IOPB Removal  26
9. Use of silicone oil  198
10. Use of C3F8  183

85% of Pars Plana Vitrectomy required multiple procedures. Combined Anterior and Posterior segment surgery is also a routine practice.

CORNEA SERVICE

Three full time consultants remain exclusively for the management of cornea and external ocular diseases. The Medical Cornea unit mainly covers cases of corneal ulcers and non-infectious conditions like surface corneal disorders. Routine scraping is done in cases of corneal ulcer before starting therapy. The material obtained following scraping of the ulcer is routinely examined for microbiological studies. An inhouse Microbiology Laboratory of worth Rs. 1.66 crores is about to be commissioned soon.

Eye Bank’s activities in corneal transplantation is another aspect of the services of the Cornea Unit. In the current year, 19 pairs of eye were transplanted, mostly for optical reasons. Amongst the ancillary services, a state-of-the-art unit for Contact Lens and Low Visual Aid is also functioning on a regular basis. The new investigation facility introduced are the Corneal Topography. Facility for laser vision correction will be introduced in the next year. One of the consultants has received advanced training in corneal refractive surgery from Dr. Howard Gimbel of Canada.

PAEDIATRIC OPHTHALMIC SERVICES

The awareness of ‘Squint’ has increased considerably with advances in education and learning. Amongst paediatric patients, Amblyopia due to various reasons like congenital cataract, Squint and Refractive errors, are the main causes of visual loss in child patients. The Paediatric Ophthalmology Unit has a full-fledged orthoptic clinic having full facility for paediatric eye evaluation. In this year, 80 cases of Squint, mostly horizontal, were operated. During the period, a total of 67 paediatric cataract patients were operated. The surgical techniques adopted were as follows:

<table>
<thead>
<tr>
<th>Group</th>
<th>Unilateral Cataract</th>
<th>Bilateral Cataract</th>
<th>Bilateral Aphakia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group A</td>
<td>2</td>
<td>20</td>
<td>-</td>
</tr>
<tr>
<td>Group B</td>
<td>4</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>Group C</td>
<td>8</td>
<td>22</td>
<td>5</td>
</tr>
</tbody>
</table>

COMMUNITY SERVICE

In the new hospital building, an area of 20,000 Sq. ft. has been earmarked for community services. SSN has a permanent Outreach Centre at Bonda, near Guwahati. Moreover, in collaboration with Rotary Club of Guwahati, Lions Club of Guwahati and other social welfare organisations, many cataract screening camps were conducted by SSN. In the rural Outreach Centre at Bonda, in the current year 3917 cases were examined in the OPD of which 121 patients required various eye surgeries in our main hospital. A consultant from Nethralaya once in a week visits Sri Ramkrishna Mission hospital also. As a part of its community service activities, regular vigilance is maintained through Lions Eye Hospital, Guwahati and P. C. Chatterjee Memorial Eye Hospital, Dharmangan, Tripura. Doctors of Nethralaya also participated in disaster management activities, following natural calamities. 22 eye donation awareness programmes were organised in different parts of Kamrup district during the year.

CATARACT & REFRACTIVE SURGERY

This unit is well equipped with all modern gadgets. In this year, a legacy phacoemulsification system (Alcon, USA) has been added to cope with the cataract load. Ocular corneal phacoemulsification with topical anaesthesia and Foldable Intraocular Lens implantation are routinely done. In selected cases, no-anaesthesia phacoemulsification surgery is also performed. In the year 2001-2002, 6000 cataract surgeries were performed in the base hospital with this technique. The surgical outcome was excellent.

LIBRARY

Knowledge is power and library is the powerhouse of an institution. SSN has a Library too. It is open for the consultants, DNB students, Fellows & Resident doctor of the institution. Any other interested person of the institution can also make use of the Library. At present it has 320 medical books. 7 medical journals are also being
Eye donation meeting held on 10-10-02
Inauguration of OPD Module-2 by the Governor of Assam
NEDFI donation meeting
Eye donation awareness meeting at Nalbari
Flood relief operation at Dhemaji by SSN
Free spectacle for the poor
Foundation day celebration at Rural Out Reach Centre
Relief Operation with UNDP
internet facility is also available. It also has several audio visual cassettes & CDs. The Library remains open from 8 AM to 9 PM on all working days except Sundays & holidays.

CME PROGRAMME

The institution focuses special attention on continued medical education (CME) programme which is regularly being held once in every two months. Guest faculties from reputed hospitals of the country and abroad and host faculties jointly conduct the CME programmes. The programmes are very well attended and appreciated by ophthalmologists of the region. A national scientific conference - SSN Retina Meeting 2002 - was held on 15th September '02. The conference was attended by 200 odd delegates. An Eye Care Workshop - Trainers Training & Updating Ophthalmologists - with WHO assistance was conducted during the period from 27th October to 2nd November 2002 as per NPCB Programme under the Ministry of Health & Family Welfare, Govt. of India. Few renowned ophthalmologists of reputed institutions conducted the workshop which was also attended by 70 odd delegates from all the seven states of the Northeastern region.

EMERGENCY SERVICES UNIT

The Emergency Services Unit functions round the clock. One Out Patient Department and Operation Theatre have been earmarked for the purpose. 175 OPD cases and 90 surgeries were performed in the Emergency Services Unit during the year 2001-2002.

<table>
<thead>
<tr>
<th>PERFORMANCE AT A GLANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>YEAR 2002</td>
</tr>
<tr>
<td>A. Total OPD Patients</td>
</tr>
<tr>
<td>B. Total Surgical Patients</td>
</tr>
<tr>
<td>C. TOTAL COST OF FREE TREATMENT Rs.</td>
</tr>
</tbody>
</table>

We are thankful to all our donors including NEC and DONER. Govt of India for their generous contributions.

Participants in different CME Programmes at Sri Sankaradeva Nethralaya
SRI SANKARADEVA NETHRALAYA

ACADEMIC PERFORMANCE OF OUR FACULTIES

Dr. Biraj Jyoti Goswami, MS - Senior Consultant

Presentations:
1) "DCR - The under the hood, Better Plan in Lateral Sclerectomy", AIOS, 2001, Kolkata.
2) "Infective Keratitis, CME on Cornea, Sri Sankaradeva Nethralaya, Guwahati.
3) "Examination of Cornea, CME on Cornea, Sri Sankaradeva Nethralaya, Guwahati.
4) "Role of Mitomycin in DCR", DCR, ALOS, 2002, Ahmedabad.
6) "A1E anterior segment, CME on Slit lamp Examination, Sri Sankaradeva Nethralaya, Guwahati.


Publications:
1) "Failed DCR - Identification of causes", Journal of Eastern India Ophthalmological Congress.

Dr. Shafigue Uddin Ahmed, MS - Senior Consultant

Presentations:
1) "Basalt on Slit lamp Biomicroscopy, Workshop on Slit lamp Examination, Sri Sankaradeva Nethralaya, Guwahati.
6) "Rab's Disease, Symposium on Medical Retina, A IOS Conference, Sitagar.

Dr. Prafulla Sarma - Senior Consultant

Presentations:
5) "Eye-related wound infection following trabeculectomy - Patient characteristics and clinical outcomes" (Presented as Co-author), A IOS, Sitagar, November 2002.

Attendees:
1) Symposium on "Glaucoma" as a Participant in Regional Institute of Ophthalmology, Gauhati Medical College, Guwahati in 2001.
2) International Workshop on "HRT" at L.V. Prasad Eye Institute, Hyderabad.

Courses Attended:

Dr. (Mrs.) Kasturi Bhattacharjee, MS, DNB, FRCS

Associate Consultant

Awards:
1) Recipient of the prestigious "SANTEVISION Award" for the Best Paper in Cataract session at the A IOS Annual Conference held at Ahmedabad in January 2002.

Honours:
1) Nominated as an executive member of ALUMNI of Sankara Nethralaya, Chennai.
2) Appointed as Assistant Treasurer for the Eastern India Zonal Ophthalmological Congress (EZOC) held at Ranchi.

Presentations:
1) Paper titled "Comparative Analysis between Hydronephrosis & Silicon Implants in Primary Anophthalmic Socket" adjudged as the Best Paper in Obitus & Plastic session at the A IOS Annual Conference held at Hyderabad in January 2002. The presentation was selected at the Conference for the Final round of the prestigious "Col. Rangachari Award".
2) Paper titled "Capsular Contraction syndrome following Phacoemulsification in Post Vitrectomised Eyes" adjudged as the Best Paper in the Cataract session at the A IOS Annual Conference held at Hyderabad in January 2002. The presentation was selected at the Conference for the Final round of the prestigious "Col. Rangachari Award".
4) Paper titled "Phacofragmentation using endocapsular ring in eyes with zonular diastasis" adjudged as the Best Paper in the Cataract session at the A IOS Annual Conference held at Kolkata in January 2001.

Presentations of Research Papers in Conferences:
Consultants of SSN participating in the AIOS conference, held at Cochin


3) “Isolated Orbital Granulocytic Sarcoma”, Annual Meet of AIJMI, Sankara Nethralaya, Chennai


Publications:


3) “Cataract Surgery & IOL Implementation in a Case of Retinoblastoma - following EBRT - A Case Report” accepted for publication in the American Journal of Cataract & Refractive Surgery

Faculty :

1) Guest Faculty in the Poster section of the AIOS Annual Conference held at Kolkata in January 2001.

2) Guest Faculty in the instruction course on “DCR - Easier the better” at the AIOS Annual Conference held at Ahmedabad in January 2002.

Courses Attended:


2) IMPACT International Meet on Cataract & Refractive Surgery, Sydney, Australia.

Dr.(Mrs.) Damalis Magdalene - Junior Consultant

Presentations:

1) “LVIA” (Las Vision Aids, International Conference on LVIA, Chennai, February 2001

2) “Spectacle-induced optical aberrations”, CME on Optics, Sankara Nethralaya, Chennai, 2001


4) “Introduction to Contact Lens”, Contact Lens Workshop, Sankara Nethralaya, Chennai, June 2002.


Dr. Kalyan Das – Junior Consultant

Presentations:


Attended:


DNB student at the AIOS conference in Ahmedabad
Dr. Satyen Deka - Junior Consultant

Presentations:
2) "Effect of silicone oil on retinal function" (Poster), AAOS Annual Conference, Kolkata, January 2001.
3) "Visual improvement following laser therapy in macular edema of branch retinal vein occlusion", 14th World Congress International Society for Laser Surgery and Medicine, Chennai, 2001.
4) "Cataract surgery in deep cornea and anterior chamber - A case report", AAOS Annual Conference, Delhi, November 2002.
5) "Switchless vitrectomy - A modified technique" (Video tape), AAOS Annual Conference, Delhi, November 2002.
7) "Intermediate Uveitis due to Sarcoidosis - Investigative study", AAOS Annual Conference, Delhi, November 2001.
9) "Vitrectomy Hypertension management" (as Co-author), AAOS Annual Conference, Ahmedabad, January 2002.
10) "Opac, IOP and Central Venous Retinopathy"
"VIII World Retina Congress, Hyderabad, 2002.
12) "Vitrectomy with internal limiting membrane peeling for macular hole surgery" (Video), AAOS Annual Conference, Strasbourg, November 2002.
13) "Silk laser-induced Pneumoretinopathy" (Didactic lecture), CME on Silk Laser evaluation, SRI Sankaradeva Nethralaya, Guwahati, 2002.
14) "Transpupillary Thermotherapy (TTT) for subfoveal Chorioidal Neovascular (CNV) membranes - our experience", AAOS Annual Conference, Strasbourg, November 2002.
15) "Microphthalamis with complicated retinal detachment".

Dr. Sanjoy Kumar Buragohain - Junior Consultant

Presentations:
1) "Ocular Myasthenia", Symposium, AAOC Annual Conference, Delhi.
2) "Recent Investigative Techniques in Glaucoma", CME Programme, SRI Sankaradeva Nethralaya, Guwahati.
3) "Optics of Slit Lamp", CME Programme, SRI Sankaradeva Nethralaya, Guwahati.
4) "Role of oral steroid in optic neuritis patient following pulse therapy", AAOS Conference, Strasbourg, 2002 & AAOS Conference 2003 (poster paper).
5) "Optic disc evaluation with HRT in post- traumatic retinal detachment"; AAOS Conference, Strasbourg.

Attended:
1) Neuro-ophthalmic Conference, Chennai.
Dr. Jayanta Kumar Das - Junior Consultant

Presentations:
1) "Color Doppler Imaging in Orbital Cysticercosis", Fourth International Conference, Mumbai
2) "Orbital injury with retained firearm foreign body - a case report", Fourth International Conference, Mumbai
3) "Color Doppler Imaging in Orbital Lesions", International Conference, Mumbai
8) "Role of FNAC in orbital lesion", AAO Annual Conference, Surat, November 2002.

Publications:

Dr. Uitam Kumar Sharma - Junior Consultant

1) "Acanthosis in Catarract Surgery", Symposium on Instruction Council, Asian Medical College, Dibrugarh.
2) "Acanthosis Complication", Symposium

Dr. Sankara Nethralaya

Dr. Dipankar Das - Junior Consultant

Presentations:
1) "Neonatal Infection of Eye and Adnexa - A microscopic correlation", 7th Scientific Meeting of ALUMNI, Sankara Nethralaya, Chennai, January 2002.
2) "Ophthalmic Surgery in HIV +ve Patients" (Scientific Poster), AAO Annual Conference, Ahmedabad, January 2002.
3) "Spread of infected material at Intracanal Tumour", National Lecture Conference, L.V. Prasad Eye Institute, Hyderabad.
4) Co-author of paper titled "Histopathological Analysis of 232 eyes with Emphysema in Ophthalmic Pathology Laboratory", HPAI, L.V. Prasad Eye Institute, Hyderabad.
6) Co-author of paper titled "Urine Duct Cisternoma Survey of the Field", Sankara Ophthalmology
7) Co-author of "Basal Darwinian Histopathology of Optic Nerve" (subject to confirmation)

Dr. Saurabh Kumar Roy - Junior Consultant

Presentations:
2) Co-author of a paper titled "Blind-related complications", AAO Annual Conference, Surat, November 2002 (Not attended).
3) "Scleral Contact Lens", CME on Contact Lens, Sankara Nethralaya, Guwahati, August 2002.

Dr. Vinata Rajendran - Junior Consultant

Awards

Presentations:
1) Abstract (as Co-author) titled "STO1 & Vitrectomiai Surgery: A combined technique" accepted for presentation at the AAO Annual Conference to be held at New Delhi in January 2003.
2) Video-assisted skill transfer on "Intracanal Foreign Bodies", SNK Refine Meeting 2002, Sankara Nethralaya, September 2002.

Dr. Manabijoti Barman (DNB student)

Presentations:
1) "Multifocal Choroiditis - A Case Report", AAO Midsouth Conference, Gauhati.
2) "Vitrectomy in Endophthalmitis (A Review of 48 cases) - Our experience", AAO Annual Conference, Dibrugarh.
3) "Intracranial Cysticercosis - A Case Report", AAO Annual Conference, Dibrugarh.

Publications:
1) "Neovascular Glaucoma in villous tachyphylactic syndrome - A Case Report", Journal of EMBRC.
Dr. Debudul Chakraborty (DNB student)

Presentations:
2) “Traces Scleral Dipping in Neovascular Glaucoma - A retrospective study”, 14th World Congress of International Society for Lasers in Medicine and Surgery, Chennai, India.
4) “Paradoxional Ballismus”, AAOS Annual Conference, dirty.

Co-presentations:
4) “Argon Laser Drainage of Traumatic Sub Macular Hypotensive Hemorrhage”, Delhi Ophthalmological Society Conference, New Delhi, India.

Publications:

Dr. S. Purkayastha (DNB student)

Presentations:
4) “Children with Meckel’s: AC at Presentation”, CME on retinoblastoma, Sri Sankaradeva Nethralaya, Guwahati.
6) “Incidence & severity of diabetic retinopathy amongst the patients attending a tertiary care centre in NE India”, AAOS Annual Conference 2002, Sylhet.

Publications:
1) “Neovascular Glaucoma in Ocular Ischemic Syndrome: A case report” Journal of EIZOC.

Dr. Prakash Kumar Jain (DNB student)

Presentations:
1) “Retinoblastoma following Laser therapy - A Case Report”, CME on Retinoblastoma, Sri Sankaradeva Nethralaya, Guwahati.

Dr. P. Sharma with Prof. P. T. Khav, Prof. of Paediatric Ophthalmology, University of London, UK.

OVERSEAS TOUR
Honour to Medical Director

Medical Director with Dr Rangaswamy Srinivasan, Pioneer of Eximer Laser in Ocular Surgery

SSN Retina Meeting 2002

Speech delivered by Congress Chairperson Padmabhushan Dr S S Badrinath

Dr. T. P. Das
Dr. R. V. Azad
Dr. L. Verma
Dr. S. Natarajan

Guest Faculties

Delegates attending the conference
SOME OF OUR DISTINGUISHED VISITORS

"... A Jewel in the crown is what I would describe Sri Sankaradeva Nethralaya as. What a wonderful academic atmosphere! I am moved by the dedication and commitment of all the staff. I should say the family of Sri Sankaradeva Nethralaya is dedicated to the cause of this institution for the original purpose for which it was established by His Holiness Jagadguru Saraswathi Swamigal. Jagadguru Sri Vijayendra Saraswathi Swamigal of Kanakakund Peetham. I am proud to be an Indian to see and experience this magnificent achievement in our motherland..."

Dr. S. S. Badrinath
Chairman
Sri Sankaradeva Nethralaya

"... An excellent institution dedicated to the service of society with its Director acting as a leading light and the staff equally dedicated. I wish the institution success and much larger arena to serve the mankind. I am deeply impressed, and wish the Director and staff a long and happy stint in coming years..."

Dr. G. L. Kaul
Vice-chancellor
Assam Agricultural University

"... I congratulate the SSN - Gauhati for the beautiful institution with latest equipment and technology used at the service of humanity. I congratulate the Board of trustees and the dedicated staff for reaching out to the poorer sections of society - bringing LIGHT where there is darkness. May God bless this institution and all its members..."

Sr. Wilma de Souza
Sesran Saras, Roma

"... I wish this institution as the best in its quest to provide relief to the suffering in this part of our Country..."

Atul Singhe, IAS
Secretary to Govt of India
OIC of Development of North Eastern Region

"... Impressive standard of neatness and cleanliness. All best wishes for a future of service to the people of the region..."

Rajesh Katoch
Aiden (SPADE)
Planning Commission
New Delhi

"... I wish this Hospital all success...

Mr. J. K. Chalai
Director (SPADE)
Planning Commission
Govt of India

"... It was a very rewarding experience to have come here and shown around by no less a person like Dr. Harsh Bhattacharjee, whom I admire for his missionary zeal in promoting world class eye treatment facility in our state. I am more than sure that Sri Sankaradeva Nethralaya will be the icon of Northeast..."

- Mr. Pradyut Bordoloi, Minister of State for Forest, Govt. of Assam

"... Sri Sankaradeva Nethralaya, Gauhati amader uttor purbar gourab ebong achar kya uthak..."

- Mr. Anil Sarkar, Minister of Education, Govt of Tripura

"... It was indeed a revelation for me to see the magnificent institution that has come up. I congratulate Dr. Harsha and his team for their dedication, Motivation and pride. I wish them all the very best for the future..."

- Mr. Naba K. Das, Chairman, Tea Board

"... I am amazed to see the progress of Sri Sankaradeva Nethralaya, the dedication of Dr. Harsha Bhattacharjee. I see a very bright future for this institution. May its Tribe increase..."

- Dr. B. Sridhar Rao, Kurnur Hospital, Chintal

"... It is a great pleasure to be in SSN again. I have visited SSN several times, but this time new location with old dedicated team lead by Dr. Harsha Bhattacharjee is excellent. The construction is superb. Academic environment is superb. I enjoyed second time performing live surgery at SSN. Heartiest congratulations to Dr Harsha Bhattacharjee and team. Keep up the good work. Wish you all good speed in all endeavours. Good Luck..."

- Dr. S. Natarajan, Aditya Jyot Eye Hospital