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Quote

"There is no greater courage than that of recognising one's own mistakes" - The Mother

Editorial

Recognizing the importance of long term planning for smooth running of the organization, senior members of Aravind were brought together for a retreat – "Aravind 2020". Its main focus was to develop a roadmap to determine the course of action for the next 8 years. The retreat began with reviewing the current operations of the organization and identifying what needs to be improved operationally in the upcoming years so as to reach the goal of eliminating needless blindness.

It was a proud moment for AECS when Dr. APJ Abdul Kalam, erstwhile President of the nation paid a casual visit to Nithyatha – Dr. G. Venkataswamy Retreat Centre and shared his thoughts about Dr.V. He was curious to know more and more about the activities at Aurolab and delivered an inspirational talk to the staff assembled there.

The Orbit, Oculoplasty and Ocular Oncology department at Aravind – Coimbatore achieved one more milestone when it pioneered a new method for treating retinoblastoma -Ophthalmic artery chemosurgery. This promising technique offers a new ray of hope to the patients with better results.

The annual national conference of All India Ophthalmological Society held in conjunction with the APAO Congress recorded wide participation from Aravind and as many as fifty of the staff attended and chaired various sessions. Aurolab's grand annual day celebrations were marked by the presence of many of Aravind's long-term friends and volunteers.

News about these and many more feature in this issue.

AWARDS AND ACCOLADES

AIOS - APAO Awards

Hyderabad, January 17-20

Dr. Kuheli Bhattacharya, Fellow, Paediatric ophthalmology and Strabismus Clinic, Aravind – Madurai won the Best Free Paper Award in the Subspecialty of Ophthalmic Education at the Joint Meeting of 28th Congress of APAO 71st Annual Conference of AIOS held in Hyderabad. The paper was titled Changing trends in fellowships: retrospective study over two decades.

Dr. Kunal Rana, Fellow, Retina services, Aravind - Madurai became the winner of the quiz conducted as part of the conference.



SPECIAL EVENTS

Aravind 2020 – The Way Forward

Madurai, January 4 - 6

To reflect on the past developments and more importantly, to plan for the next 8 years of the growth of the organization, senior members from all the centres of Aravind Hospitals, Aurolab and AMRF were brought together for a three-day retreat at Hotel Fortune Pandiyan, Madurai. The retreat was appropriately planned which coincided with the visit of the Munsons,



Aravind's long term guide, supporter and friend. Prof. Fred Munson, quoting examples by Peter F Drucker, facilitated the retreat pointing out the importance of having a goal. The necessity of mutual collaboration or dependence to reach the goal was reiterated by him in his address. Dr. R.D. Ravindran presented Aravind's growth over the years and where it stands now. Dr. S. Aravind briefed on the challenges that await the organization and the opportunities lying ahead in its mission towards eliminating needless blindness. Mr. R.D. Thulasiraj gave an overview of the whole retreat which was followed by meticulous brainstorming on improving the patient care services till 2020. Deliberations were also held separately for the different

constituents of Aravind Eye Care System towards developing a roadmap for their growth over the next few years.



NEWS AND EVENTS

Sponsor's Day

Aravind-Pondicherry, December 30



Around 280 sponsors participated in the programme. The programme began with a prayer song by the MLOPs. Dr.K. Thiruvenkadakrishanan, Camp Medical Officer welcomed the gathering. Dr. R.D. Ravindran, Chairman, AECS and Dr.R.Venkatesh, CMO gave the felicitation address. The highlight of the programme was the motivational speech delivered by Mr. Rajan Sekri, Managing Trustee of SEKRI FOUNDATION and Metallurgical Engineer, CEO of ARK Engineering Works. This was followed by interaction between the CMO, Camp medical officer and the camp sponsors. Mr. Xavier, camp manager delivered a vote of thanks. This was followed by a sumptuous lunch prepared and served by the staff of Catering and Housekeeping department.



Dr. APJ Abdul Kalam Visits Aurolab

Aurolab, January 27



Dr. APJ Abdul Kalam, Former President of India made a visit to Nithyatha – Dr. G. Venkataswamy Retreat Centre in the last week of January. He interacted with the senior team of Aravind and also the staff at Aurolab. Aurolab had the privilege to present the various activities being carried out there. The presentation detailed the growth and development of Aurolab over the past twenty years and the impact it has created in the society especially in the lives of underprivileged. Following this, Dr. Kalam delivered an inspirational address wherein he urged the staff to strive to achieve excellence so as to influence the competitiveness index of the nation as a whole in a positive way. He was also taken on a tour of Aurolab and

Aurolab.



Eye Donation Awareness Programmes

Madurai, January 28 - 29



Mr. D. Saravanan, coordinator, Rotary Aravind International Eye Bank handled awareness creation programmes on eye donation at Sethupathi Higher Secondary School on January 29. The session was attended by around 500 students.

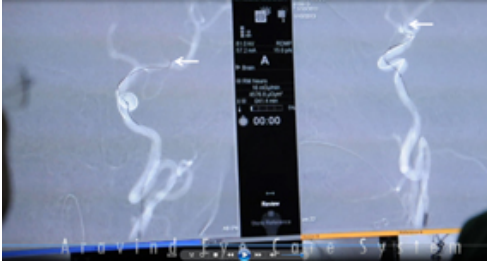
At another awareness session conducted at S.N College, Madurai on January 28, around 150 students participated. This session was organized in collaboration with Madurai Mannar Lions Club.

Topics Covered in these sessions included importance of eye donation, demand and supply of cornea, eye bank services, role of individuals in enhancing eye donation and so on.



Ophthalmic Artery Chemosurgery for Retinoblastoma


Aravind - Coimbatore



This is a new treatment for Retinoblastoma tried at Aravind-Coimbatore under guidance of Dr. Parag Shah. It was a collaborative effort between the hospital and interventional radiologists from Kovai Medical Center and Hospital (KMCH). In this procedure the interventional radiologist under general anesthesia inserts a catheter from the femoral artery (in the thigh) till the ophthalmic artery (which is the main blood vessel supplying the eye) and injects a chemotherapy drug (Melphalan) directly into this artery. The advantage is that this allows delivery of high concentrations of the drug to the eye (and to the cancer), compared with far lower concentrations when given systemically.



A repairman retires after piloting one of Dr.V's visions

 In September 2012 at the 9th General Assembly of IAPB (International Agency for Prevention of Blindness), a wing of WHO (World Health Organization), the instruments maintenance team led by Prof. V. Srinivasan of Aravind Eye Hospital, Madurai was recognized as an Eye Health Hero1, a title for path-breaking and outstanding work of significance on a global scale. More than 1600 delegates from 86 countries involved in eye care programs participated in that General Assembly meeting. What did the Team do to earn the Eye Health Hero title?

The Aravind Instruments Maintenance Team became well-known all over the world through their training programs. The world map given below shows the flags of countries that had the benefit of having one or more technicians from that country trained by the Aravind tem. A total of 677 technicians and 27 ophthalmologists from 47 countries were trained by the Aravind Instruments Maintenance Team through a total of 80 courses and 13 workshops, quite a number of which were in the foreign countries themselves.



How did a retired physics professor of Madurai find himself in a leadership role in the task that earned him and his team the world recognition? There is a long story in it. There is a mother in it who played the role of a midwife in the birth of the son's curiosity and interest in instruments and their repair.

Mothers are of different types. When their child breaks a toy some mothers may say, 'never mind, I will get you another toy the next time we go to the city'. Others not so well to do, would feel very upset, and unable to buy a new toy, may discipline the child. A third kind will say 'never mind, sit with me we will try to set it right' Srinivasan had a mother of the third type. That early childhood experience under his mother's tutelage turned into a passion for repairing at a very young age when he grew up. The interest continued in his school where he helped in repairing and servicing instruments that did not function in his school laboratories. He can still recall repairing a fancy imported pencil sharpener that one of his classmates had damaged while using it.

Later when he joined the American College, Madurai as a lecturer he had opportunities to serve as skilled assistant for the examiners of the B.Sc Practical examinations of the University. A frustrating experience during these examinations is that some laboratory instruments do not work much to the anxiety, frustration and fear of the student taking the examination. To obviate such a contingency, Srinivasan and his skilled assistant colleagues decided to a few weeks before the examination to test all the instruments that are likely to be used in the examination and repair them if necessary, so that there are no surprises in the laboratory examination. This continued for many years giving Srinivasan plenty of opportunities for repairing instruments. In the years that followed as a part of their laboratory work students were involved in servicing and repairing instruments they use and the assignment was termed 'entropy reduction' sessions.

Sometimes when Srinivasan had the opportunity to go as an external examiner to other Colleges within the University he would in his free time help the College by repairing some of their instruments that were not functioning. The real reason behind that activity was to ensure that the College could not then request that a certain experiment should not be given in the examination because a certain apparatus in not working.

And then an unhappy event became an eye-opener. A year before his retirement from The American College, one of Srinivasan's brothers was involved in a bad road accident and was hospitalized for a few months. During his visits to the hospital he was surprised to find a lot of abandoned instruments stacked in different locations of the hospital. They were said to be 'not working' for some reason or other and so were left idle and unused. To a question on how the hospital managed without those instruments, the answer was 'we buy new ones and continue with our work'. Naturally, the cost of such purchases gets added to the patients' bills indirectly. This gave Srinivasan an idea. "Why not start a 'Clinic' for medical instruments as a retirement activity?"

Pankajam Instruments Clinic was born in March 1994 soon after his retirement. The word clinic was deliberately included in the name of the establishment to make it sound well for doctors and hospital staff. For a year the Clinic functioned and generated a good income but it turned out that most of the clients were teachers of high schools and colleges who had known

Srinivasan well and the instruments repaired were school and college laboratory instruments and some domestic appliances. Waiting to meet doctors to talk to them about the equipment clinic consumed more time and energy than repairing their instruments. Srinivasan did not have the patience of medical representatives who wait a long time in doctors' offices to introduce or sell their drugs.

The next step was to affiliate Pankajam Instruments Clinic with a hospital. Exactly a year after the Clinic was born, Srinivasan called on Dr. G. Venkatasamy, the founder of Aravind Eye Hospital to ask for 'patients' for his clinic. Dr. Venkatasamy's response was, "I can't give you patients but can give you a job". That was more than what Prof. Srinivasan had imagined could happen. So he joined the instruments maintenance department of the Hospital the next day.

The Department had just three technicians when Srinivasan joined, but within a few years the Department grew and the number of technicians went up to thirty plus. The activities of the Department multiplied and the Department developed into a training center for technicians of other hospitals. This became widely known. Almost all INGOs (International Non-Government Organizations) that support Eye Care programs all over the world got interested in the activity and encouraged their partner hospitals to get their technicians trained by Srinivasan's team so that the instruments supplied to them work well at all times.. Very soon there were invitations for the team to go to countries overseas to train more technicians in their work locations as well. So the team trained technicians at Madurai and also went abroad to train them in their hospitals. The number of countries visited in this context now stands at 12 and the number of countries that had taken advantage of the courses run in Madurai and elsewhere is 47, about one fourth of UN membership countries.

Already once on retirement from teaching, Srinivasan knew that he could not be the leader of his Aravind team forever. He decided that in the fitness of things, it was time for his second retirement. Acting on that premise, he has retired from Aravind Eye Hospital this month. He feels certain that the work he started and built up at Aravind will continue.

On the 10th Jan there was a gathering at Aravind at which Prof. V. Srinivasan was felicitated and was given an affectionate send off.

Reference



CONFERENCES ATTENDED ELSEWHERE

Joint Meeting of 28th Congress of APAO & 71st Annual Conference of AIOS

Hyderabad, January 17-20



Dr. P.Namperumalsamy

Chairman and speaker for the symposium

- *Update on age related macular degeneration IAMD*

- *Epidemiology and prevention of AMD*

Dr. R.D.Ravindran

- Chairman for the symposium on *Cutting edge technology in cataract surgery*

- Chairman and speaker for the symposium *Assessing The value of an academic mission relative to the demands of cost effective patient care*

deliver

- *Monitoring for better patient care and outcomes*

- *Public health and glaucoma*

- Chairman and speaker for the symposium *Manual small incision cataract surgery*

- *Transition from ECCE to SICS*

- Chairman for the symposium *Financing of ophthalmic service in the Asia Pacific area*

- Chairman and speaker for the symposium *Age related macular degeneration in Asia Pacific region*

- *Prevalence of early and late age - related macular degeneration in India, findings from the INDEYE and other Indian studies*

- Chairman for the symposium *Vision 2020 practice management*

Dr.S.R.Krishnadas

- *In Advanced Disease: When should we just give up?*

- Chairman and speaker for the symposium *Epidemiology and management of glaucoma in low and middle income countries*

- *The Indian national glaucoma outcome treatment study*

- *Chaired Glaucoma society of India symposium*

Dr. N.V. Prajna

- *Chaired the symposium ophthalmic residency education*

Dr.R.Kim

- *Anti- VEGF in AMD*
- *Steroids in DME*
- *Retinotomies and retinectomies*
- *Update on DR telescreening programs at Aravind – Madurai India (instruction course)*

Dr. Usha Kim

- *Emergencies in orbital vascular disorders*
- *Leucocoria in a child: the challenges in diagnosis and how to increase the rate of early diagnosis of disease (instruction course)*
- *Chairman and speaker for the session Best of grand rounds my most difficult case*

Dr.Rathinam Sivakumar

- *Post surgical infectious granulomatous uveitis*
- *Parastic uveitis*
- *Case presentation for the session on challenges in the management of uveitis*
- *Atypical presentations of posterior uveitic entities*

Dr.Lalitha Prajna

- *Emerging fourth – generation fluoroquinolone resistance in pseudomonas aeruginosa keratitis isolates*
- *Clinical microbiological spectrum in India*

Dr. Haripriya Aravind

- *Indian intraocular lenses are the World's best (pro)*
- *Pseudoexfoliation (PXF) as a risk factor for intraoperative complications during cataract surgery*
- *Cataract surgery in exfoliation syndrome How to Avoid a disaster*
- *IOL options in inadequate support IOL options in inadequate support (instruction course)*
- *Subluxated cataracts and capsule stabilising devices (instruction course)*

Dr.George Puthuran

- *Preservatives and glaucoma management*
- *What is the role of laser therapy in POAG?*

Dr. S. Mahesh Kumar

- *Ocular motility defects (instruction course)*
- *Should we treat traumatic optic neuropathy with steroids? (pro)*
- *Chaired the session on challenging cases in neuro ophthalmology*

Dr.P.Sundaresan

- *Current trends in ophthalmic genetics*
- *Glaucoma & Cornea – Hereditary patterns based on genetic mutations (instruction course)*
- *Molecular genetics of diabetic retinopathies*

Dr. R. Muralidhar

- *Nystagmus surgery simplified (instruction course)*

Dr. Manoranjan Das

- *Lasik with mechanical keratome*

Dr. K.Naresh Babu

- *Modified technique of sclera fixation (instruction course)*

Dr. Anand Rajendran

- *Age related macular degeneration review of clinical trials – Instructor*
- *Atypical manifestations of diabetic retinopathy*

Dr. Kowsalya A

- *Papillary disorders (instructor)*

Free Papers:

Dr. Nirajkumar Agarwal

- *Result of IOL power calculation by Haigis – L formula after post refractive surgery (LASIK) for myopia*

Dr. Lipi Chakrabarty

- *Computerized evaluation of fundus images: a novel screening method for glaucoma*

Dr. Namrata Adulkar

- *Opticochiasmatic arachnoiditis a cause of visual impairment in tuberculous meningitis*

Dr. Roopasree B.V –

- *Clinichistopathological analysis and outcome of management in cases of suspected ocular surface neoplasia retrospective analysis of 109 cases*

Dr. Kuheli Bhattacharya

- *Changing trends in fellowships retrospective study over two decades (best free paper)*

Dr. R. Venkatesh

- *Posterior capsule rupture and zonular dialysis management (instruction course)*

Dr. S. Kavitha

- *Importance of family screening in angle closure glaucoma (free paper)*

Dr. Nirmala Devy and Dr. Dayakar Yadalla

- *Emergency neuro-ophthalmology- diagnosis and management (instruction course)*

Dr. Ankush

- *Thermography in ocular inflammation*

Dr. Praneet

- *Comparison of efficacy of 1% Topical variconazole vs 5% Topical Natamycin for the treatment of fungal Keratitis in tertiary eye care centre*

Dr. Padmavathy

- *Acute visual loss / Emergency Neuro Ophthalmology (instruction course)*

Dr. Neelam Pawar

- *Syndromic and non syndromic corpus, callosal, agensis – ocular and neurological association*

E-Posters:

Dr. Maneksha

- *Clinical profile and treatment outcome of ocular rhinospondiosis in a tertiary eye care center*

Dr. Aditi Jain

- *Visual outcome in NA – AION*

Dr. Ashish Ahuja, Dr. Mokashi pooja

- *Paediatric cranial nerve palsies*

- *Anaemic retinopathy secondary to disseminated intrvascular coagulation*

Dr. Rathnesh Kumar

- *Case series of severe Postoperative Uveitis after uneventful cataract surgery Dr. Prathmesh Mehta*

- *Intra operative performance and postoperative outcome of manual small incision cataract surgery using capsular tension devices in moderate to severe traumatic subluxated cataract*

Dr. Seema Ramakrishnan

- *Prospective, randomized study comparing the effect of Nepafenac 0.1% and ketorolac tromethamine 0.4% on macular thickness in cataract surgery patients with low risk for cystoids macular edema*

Dr. Biswajit Dey

- *Unique identification tag (UIT) – a newer innovation for improving the quality and safety in high volume cataract surgery set-ups*

Dr. Palaniswamy.K

- *A comparative biometric analysis of open angles and narrow angles*

Dr. Aditya Bansal

- *Size zeros in fashion, thinner cornea not a taboo!!!*

Dr. Jayashree

- *Intra operative complications and final visual posterior polar cataract*

Dr. Maitri Suthakar

- *Leutic posterior scleritis with retrobulbar neuritis*

Dr. Mrunal Kshirsagar

- *Traumatic optic neuropathy: the untold story*

Dr. Maithil Thakkar

- *Case series of vogt koyanagi harada (VKH) syndrome: spectrum, clinical profile and visual outcome at a tertiary eye care centre in south India*

- *A rare case of localized bilateral conjunctival amyloidosis – a 8 year follow up*

Dr. Pragnya Rathod

- *Response of early and prompt initiation fo steroids and immune suppressants in a case of paedriatic vogt koyangi harada syndrome*

- *Retained prolene suture as a cause of recurrent dacryocystitis*

Dr. Gajendra Verma

- *Visual side effects of panretinal photocoagulation in diabetic retinopathy*

Dr. V. Narendran

- *Short coming of DR screening programme and solution*

- *X linked retino schisis*

- *Chaired free paper session in uveitis*

Dr. Parag K Shah

- *Specific features of acute ROP in India and role of virectomy*

- *CNVM angoid streaks*

- *Role of radiation in retino blastoma management and future direction in management of refracting RB*

Dr. V.R. Saravanan

- Update on procedure for ARMD

Dr. Amit Gupta

- Correlation between branch vein occlusion related macular edema, morphology and treatment response with bevacizumab and triamcinolone

- Bilateral morning glory disc anomaly with contractile disc, retinal detachment, trans sphenoidal meningocele and pituitary dysfunction

- Dexamethosone implant various indication, efficiency and safety profile (Co-author)

Dr. Saurabh Arora

- Intra-vitreous ranibizumab with adjunctive laser therapy in patient with DME

- The surgical management of uveal effusion syndrome

- Microbiological profile and visual outcome in patient who developed endophthalmitis after intra vitreal injection (Co-author)

Dr. Sandeep Bachu

- Microbiological profile and visual outcome in patient who developed endophthalmitis after intra vitreal injection (Co-author)

- Comparison of long term refractive, visual and structural outcome following green and infra red laser for zone 1 ROP

- A novel NR 2E3 mutation in a family with goldmann faure syndrome and retinal vasoproliferative tumor (Co-author)

- Dexamethosone implant various indication, efficiency and safety profile (Co-author)



Symposium on Novel tools and Themes in Vision Sciences

Hyderabad, January 21-22



Dr. P. Sundaresan attended the Indo-US Symposium funded by Indo US Science and Technology Forum. The main objective of the symposium was to develop novel themes between Indo-US scientists for future collaborative projects in the field of "Omics", Biology of retina, Nanoscience applications in ophthalmology and Vision Neuroscience. He presented the ongoing research on genomics of eye diseases. He interacted with national and USA scientists and discussed future research projects.

In addition, Dr. P. Sundaresan met Dr. Gyan John Prakash (Associate Director for International Programs, National Eye Institute) along with other Indian ophthalmic researchers and discussed the various Indo-US projects.



IRIS Connect Meeting

Mumbai, January 27



Dr. S. Aravind, Administrator, Aravind Eye Hospital, Madurai gave keynote address on the topic Innovation in India.



HUMAN RESOURCE DEVELOPMENT

Pongal Celebrations

Aravind Hospitals

Aravind Eye Hospitals rejoiced its employees with elaborate entertainment programmes, traditional games and competitions as part of Pongal celebrations. Staff belonging to different cadres attended the programme. Various traditional dance forms like Karagattam, Kummipattu and Kolattam were staged by the staff. Pongal was prepared and distributed to all.



Serving with Head, Heart and Hands – An Evening of Spirited Stories

LAICO, January 23

LAICO hosted a motivational talk by three unique individuals who have dedicated their lives to bringing smiles to the world through the power of unconditional giving. Sri. Jayesh Patel and his wife Anar Patel, co-founders of Manav Sadhna, a NGO based in Ahmedabad delivered a moving account of their activities especially in the field of hygiene and education in the slums of the city. Nipun Mehta, founder, ServiceSpace reiterated the importance of unconditional giving to make this world a better place to live and also narrated the origin of the organization. His wife, Ms. Guri Mehta too shared her feelings and experiences of being one of the founding members of ServiceSpace.

Republic Day Celebrations

Aravind, January 26



The 64th Republic Day was celebrated with great patriotic fervor by all the Aravind Eye Hospitals. National Flag was hoisted and patriotic songs were sung during the occasion.

Guest Lecture on Work Culture

Aravind – Coimbatore, January 30



The importance of work ethics especially commitment, loyalty and punctuality was stressed by Dr. Vallarasi, retired Tamil professor, Annamalai University during a lecture arranged for the MLOP staff. Quoting examples from day-to-day life, she handled the session in an engaging manner and the audience felt the lecture truly motivating. At the end, a special quiz programme on Thirukkural was arranged which was facilitated by Ms. Subhashini, well-known Tamil professor from Singapore.

LAICO HAPPENINGS

Valedictory function of Management Priorities in Eye Care Delivery

LAICO, January 12

Around 30 participants attended the course which was conducted in the second week of January. At the valedictory function of Prof. Fred Munson gave a special address and R.D. Thulasiraj gave the key note address. Certificates were distributed to the participants and R. Suresh Kumar delivered a vote of thanks.



World Economic Forum Annual Meeting 2013

Davos, Switzerland, January 23- 27



R.D. Thulasiraj attended the annual meeting of the World Economic Forum held in the last week of January.

Reform/KPMG Health Conference

The front line: International workforce summit

London, UK, January 24



Sanil Joseph delivered a talk on the Aravind model and participated in a panel discussion at the session on High performance healthcare: boosting workforce productivity around the world.

LAICO Retreat

LAICO, January 30-31



Around 25 participants from the different departments at LAICO participated in the retreat held in the last week of January. The sessions were facilitated by Prof. DVR Seshadri, IIM – Bangalore, Mr. D. Nagarajan, Dr. Suzanne Gilbert and Ms. Sandra Dratler from Seva Foundation. Departments made presentations on their goal for 2020. A roadmap was developed for achieving goals and detailed discussions and planning were carried out.

[Click here to view Consultancy statistical report](#)

TRAINING PROGRAMMES

Course title	Training Centre	Total Number Trained as on January 2012	Enrollments for February 2012
Long term Fellowship Programmes for Ophthalmologists			
Fellowship in Glaucoma	Madurai	46	1
	Tirunelveli	13	0

	Coimbatore	26	0
	Pondicherry	9	0
Fellowship in Cornea	Madurai	65	1
	Coimbatore	35	0
	Pondicherry	8	0
Short Term Courses - For Ophthalmologists			
Diagnosis and Management of Glaucoma	Madurai	117	0
	Tirunelveli	147	1
	Coimbatore	112	0
	Pondicherry	4	0
Small Incision Cataract Surgery	Madurai	176	2
	Tirunelveli	117	2
	Coimbatore	145	0
	Pondicherry	25	1
Lasers in Diabetic Retinopathy	Madurai	276	1
	Coimbatore	273	2
	Pondicherry	7	0
Phacomulsification	Madurai	159	2
	Tirunelveli	86	1
	Coimbatore	116	3
	Pondicherry	22	2
Short Term Training in Vitrectomy (Virtual)	Madurai	17	1
	Coimbatore	166	1
Short Term Training in Refraction Techniques	Madurai	52	10
Management Courses			
Management Training for Eye Care Programme Managers	LAICO	320	15
Instrument Maintenance Courses			
Instrument Maintenance Courses	Madurai	438	3

[Click here to view Training Programme full statistics](#)



PUBLICATIONS

- **INDIAN J OPHTHALMOL VOL: 61(1) JAN. 2013 P.13-17**
Kaushik U Dhume, Kiruba E Paul,
- *Incidence of pupillary involvement, course of anisocoria and ophthalmoplegia in diabetic oculomotor nerve palsy.* [article view](#)
- **INDIAN J OPHTHALMOL VOL: 61(2) FEB. 2013 P.76-77**
Usha R Kim, Kavitha R Sivaraman
- *Penetrating orbital injuries from plant material during pond and river diving.* [article view](#)
- **HUM MOL GENET. 2013 JAN 22. [Epub]**
Asai-Coakwell M, March L, Dai XH, Duval M, Lopez I, French CR, Famulski J, De Baere E, Francis PJ, Sundaresan P, Sauvé Y, Koenekoop RK, Berry FB, Allison WT, Waskiewicz AJ, Lehmann OJ.
- *Contribution of growth differentiation factor 6-dependent cell survival to early-onset retinal dystrophies.* [article view](#)
- **J MED MICROBIOL. 2013 JAN 14. [Epub ahead of print]**
Jayahar Bharathi M, Ramesh Kumar G, Ramakrishnan R, Anitha V, Ramesh S.
- *Vittaforma corneae keratitis in southern India: Role of a novel duplex PCR.* [article view](#)
- **JAMA OPHTHALMOL. VOL: 131(2) FEB. 2013 P.147-153**
Durga S. Borkar; Suzanne M. J. Fleiszig; Chelsia Leong; Prajna Lalitha, Muthiah Srinivasan; Avanti A. Ghanekar; Connie Tam; Wing Y. Li; Michael E. Zegans; Stephen D. McLeod; Thomas M. Lietman; Nisha R. Acharya

- Association between cytotoxic and invasive *Pseudomonas aeruginosa* and clinical outcomes in bacterial keratitis.
[article view](#)



AUROLAB NEWS

Pongal Celebrations

Aurofarm, January 12



The programmes began with a prayer song and continued with several cultural events like Kolattam, Mullapari kummi, Silambattam Dance, Folk dance. Traditional games were also organized. The celebrations came to an end with special prayer and sweet pongal was distributed to everyone. Several of Aravind's long-term friends were also present at the celebrations.



Aurolab Day Celebrations

January 26



Aurolab celebrated its 21st annual day with a variety of programmes. The programme began with prayer song. Mr. Krishnakumar welcomed the gathering. Dr. Krishnadas – Director HR, AECS was the chief guest for the function. He gave the Felicitation address during the programme. Service awards were distributed by Dr. G. Natchiar, Mr. R. D. Sriram, Dr. P. Balakrishnan and Mr. G. Srinivasan to the staff members. Dr. P. Balakrishnan sir presented the activities of Aurolab for the year and Mr. Venkatesa Kannan shared achievements and future plans of Aurolab. Cultural programmes staged by the staff added colour to the whole evening. Mr. J. Venkateswaran delivered a vote of thanks.



MONTHLY PATIENT STATISTICS

January - 2013											
Hospitals	Madurai	Theni	Tirunelveli	Coimbatore	Pondicherry	Dindigul	Tirupur	Salem	Udumalpet	Total	
HOSPITAL OUT-PATIENT VISITS											
Paying (New & Review)	42,454	6,364	20,290	26,916	18,017	4,691	3,042	7,570	2,093	131,436	
Free (Direct walk-in)	11,009	1,690	4,958	8,562	5,322	6	177	-	780	32,504	
OUTREACH OUT PATIENTS											
Regular Eye Camps	6,288	1,877	2,662	3,801	3,574	-	-	195	-	18,397	
Diabetic Retinopathy camps	74	237	-	781	681	-	-	-	-	1,773	
Refraction Camps	1,155	379	457	1,441	1,161	-	-	-	-	4,593	
Mobile Refraction Unit	-	396	-	-	-	-	-	-	-	396	

School Screening camps	157	93	-	2,433	6,444	-	-	2,689	-	11,816
Paediatric Camps	30	-	-	-	-	-	-	-	-	30
Vision Centres	9,399	3,958	4,569	2,623	2,325	-	-	-	-	22,874
Community Eye Clinics	3,337	1,480	1,611	-	-	-	-	-	-	6,428
Total OP Examinations	73,903	16,474	34,547	46,557	37,524	4,697	3,219	10,454	2,872	230,247
SURGERIES										
Paying	2,116	266	850	1,068	655	102	85	292	44	5,478
Free (Direct)	1,645	185	573	1,179	401	24	55	60	46	4,168
Camp	2,003	244	639	867	763	-	-	11	-	4,527
Total Surgeries	5,764	695	2,062	3,114	1,819	126	140	363	90	14,173

