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### Quote

Life is like a game of cards. The hand that is dealt you represents determinism; the way you play it is free will.  
 - Jawaharlal Nehru

### Editorial

The fifth Dr. G. Venkataswamy Endowment Award was presented to Dr. R. Pararajasegaram, Aravind's long-term friend and advisor at a glittering ceremony held in Madurai. The welcoming ceremony was fashioned in typical Srilankan style befitting the awardee's heritage and it added charm to the whole event.

Aravind's research team bagged as many as eight awards at the prestigious ASIA-ARVO conference held in New Delhi in the last week of October. Many of Aravind's presentations won wide acclaim and the team got a unique opportunity to meet with the stalwarts in their respective fields and update their knowledge.

The annual series of deliberations aimed to improve eye care delivery through various aspects was conducted in the beginning of October. October Summit, as it is named is arranged in honour of Dr. G. Venkataswamy on his birth anniversary and is spearheaded by LAICO team.

October was a month of celebrations at Aravind. Various programmes were organized by the HR department to observe Diwali and Navratri. Apart from the celebrations within the organization, staff were also involved in philanthropic activities by donating clothes and sweets to the needy ones. As a noble gesture, Aravind's post graduates went out to an orphanage, spent time with children and exchanged pleasantries.

*News about these and many more feature in this issue.*

*Aravind News Team*

## AWARDS AND ACCOLADES

### Eye Pep - ICON Award for Dr. G. Natchiar

Hyderabad, October 5



Dr. G. Natchiar was awarded the Eye Pep ICON Award by the L.V.Prasad Eye Institute at the function held in Hyderabad.

### Achievement Award for Dr. R. Ramakrishnan

Aravind - Tirunelveli, October



Dr. R. Ramakrishnan was awarded Achievement Award by the Tamil Nadu Senior Citizens and Pensioners Welfare Association for his service towards the development of senior citizens.

**Awards at Asia – ARVO 2013**

New Delhi, October 28-31



Aravind team bagged eight awards at the prestigious Asia – ARVO conference held at New Delhi in the last week of October. Listed below are the details of the awardees:

**Oral Presentation:**

Ms. J. Lakshmi Priya

- *Genotypic and Phenotypic characterization of Type III secretion system and evaluation of biofilm formation in pseudomonas aeruginosa causing endophthalmitis* (Certificate of Merit – Free Paper – Immunology & Microbiology)

Dr. Jaya Chidambaram - *Transcriptome analysis of severe bacterial and fungal keratitis: A case –control study* (Certificate of Merit – Free Paper – Immunology & Microbiology)

**Poster Presentation:**

Dr. C. Gowripriya

- *A novel approach for live imaging of human limbal niche cells (I Prize)*

Ms. Saumi Mathews

- *Identification, in vitro expansion and characterization of human limbal niche cells (II Prize)*

Dr. S. Senthil Kumari

- *Exploratory Study on Ascorbate and Haptoglobin in Cataract Patients (I Prize)*

Dr. Jeyalakshmi Kandhavel

- *Label Free Quantitation of glycoproteins in tears of mycotic keratitis patients (I Prize)*

Dr. Lipi Chakrabarty

- *Computerised evaluation of Fundus images: A novel screening method for glaucoma ( I Prize)*

Dr. G. Namrata

- *Knudson’s Hypothesis revisited in Indian population (II Prize)*

**Rotary Awards for Aravind Staff**

Aravind – Tirunelveli



Ms. M. Chidambaram, Nursing Superintendent and Ms. M. Ramalakshmi, OT Tutor at Aravind – Tirunelveli was awarded certificate of recognition by the Rotary Club of Tirunelveli North in appreciation of her sincere efforts in her vocation.

**SPECIAL EVENTS**

## Dr. G. Venkataswamy Endowment Award Presented to Dr. R. Pararajasegaram

LAICO, October 1



Dr. G. Venkataswamy Endowment Award is given annually to professionals in ophthalmology and vision sciences who work towards eradication of blindness. This year the award was presented to Dr. R. Pararajasegaram, long term friend and well-wisher of Aravind in recognition of his enduring contribution towards the prevention of global blindness. Mr. G. Srinivasan, President – GOVEL Trust presented the award at a glittering ceremony held at Aravind – Madurai on October 1. Dr. Pararajasegaram gave oration titled A Saga for Sight – My Experiences in International Eye Health during the ceremony. Mr. R.D. Thulasiraj shared Aravind's association with Dr.

Pararajasegaram over the years.



## NEWS AND EVENTS

### Navarathri Celebrations

#### Aravind - Madurai

October 11



The Navarathri celebrations for this year was filled with festivities and colours. There was a 5-step 'Golu display' as is the tradition and a central floral tribute to the goddess. All the employees danced around to the various tunes of Kummi/Garba and Kolattam/Dandiya. By invoking the energy aspect of God, commonly referred to as 'Durga', the collective prayer for better and happier times ahead was resonant of the spirit of Navarathri.

#### Aravind – Coimbatore

September 27

The hospital organized Garba and Dandiya program. Tiny tots from Kumarika Mandal gave a fabulous performance and it was great gala and fun. Golu was displayed in the traditional manner. Ms C. Savithari gave an introduction and the purpose of displaying Golu. Bhajan was performed by the MLOPs in different batches. Mr. Rajasekar, bhajan master gave a special rendering.

Ayutha pooja was performed on October 14. Mr. Senniappan, Maintenance manager performed the pooja. All the staff auspiciously took part in the pooja and prasadam was distributed to all.

#### Aravind – Tirunelveli

October 14

Doctors, MLOPs and Administrative staff members participated in the pooja and paid obeisance to Goddess Saraswathi. Fruits and prasadam were offered to the goddess and several books were placed before the deity seeking Her blessings.



### Vision Day Celebrations

Aravind – Pondicherry, October 1

Prayer meeting was organized at the auditorium. Special flower arrangement was made in the meditation room. Staff paid homage to the Chief by observing a moment of silence. Lion Mr. Palani from Lions Club of Chengam was the special guest and shared his experience about Dr. V. A spot quiz was organized wherein staff members actively participated. Questions were based on Aravind's mission statement, opening of new centers, names of senior members and heads of Aravind's various hospitals. Those who answered correctly were given prize on the spot. Ms. Priya, Manager, Pediatric Department conducted quiz programme titled "Knowing the world of Aravind" to the MLOP staff. Team Rani Chennamma won the first place in the quiz programme.



### Inauguration of Uvea Clinic

Aravind – Pondicherry, October 9



Uvea clinic at Aravind – Pondicherry moved to new premises and the new facility was inaugurated in the presence Dr. Venkatesh, Dr. S. Balamurugan, Mr. Kanagaraj, Mr. Poobalan, and the staff of Uvea Clinic.



### Diwali CME

Aravind – Pondicherry, October 15-30



Diwali CME was conducted for MLOP staff with a special session on general hygiene. Ms. Devi, ANM from Abishegapakkam Primary Health Centre handled the session. Counselling CME was conducted on October 25 to enhance the skill and clinical knowledge of the counselors. Dr. Venkatesh gave an overview of the need of counseling and the importance of updating clinical knowledge. Dr. Christy, Dr. Pratmesh and Mr.Vengadesan handled different sessions.



### Residents Social Responsibility Programme

Madurai



As part of the ongoing Resident Social Responsibility programme, during this Diwali the Academic Director and PG Residents of Aravind Eye Hospital, Madurai raised money and distributed new clothes to the orphanage children at Balamandiram.



### Aravind – Pondicherry Receives Swami Vivekananda Ratham

Aravind – Pondicherry, October 25



As part of 150th birth anniversary celebrations of Swami Vivekananda, Aravind Eye Hospital, Pondicherry made elaborate arrangements to accord a warm reception to Swami Vivekananda Ratham at the hospital premises. The ratham was received by Mr. Kanagaraj, Manager, Mr. Poobalan, Manager-Administration, doctors, sisters and other staff member. Arathi was performed by Mr. Poobalan and finally prasatham was distributed to all.



### Outbound Learning Programme

Aravind – Pondicherry, October 26-27

As a part of HR welfare initiatives, doctors, managers and senior staff of various clinical departments visited Pegasus outbound learning centre to develop their skills on communication, proper planning, commitment to work, creating good

working environment, proper delegation and distribution of the work between doctors and sisters. It was a great learning experience for the entire team.



### **Hospital Day Celebration of Aravind –Tirupur**

Tirupur, October 26



The celebrations began with prayer song by Sr. Pavithra and group. Dr. Selvi Selvakumar, Chief Medical officer welcomed the guests and the speech was followed by activity report presentation for the year of 2012 - 2013. Dr. V. Narendran, Chief Medical officer, motivated the staff for a still better performance. Various cultural programmes were organized as a part of celebrations. Ms. Sangeetha, Admin assistant of delivered a vote of thanks.



### **Deepavali Celebrations**

#### **Aravind – Tirunelveli**

October 28



The gala evening was marked with glittering diyas, dazzling fireworks, dinner and cultural program. The celebration started with prayer song. Ms. Mari priya, OPD nurse welcomed the audience. Various cultural programmes were organised as part of the celebrations. Dr. R Ramakrishnan, Chief Medical Officer and Mr. Balakrishnan, Manager-Free hospital gave an inspiring speech on this special occasion. Dr.Kaustubh and Dr.Ashish Ahuja amused the audience with their melodies.

#### **Aravind – Pondicherry**

October 28

As part of Diwali celebrations, HR department organized a variety of cultural programmes with the entire staff members divided into four groups. The team Mathappu won the first place.



### **Awareness Exhibition on the use of Fire Crackers**

Aravind – Pondicherry, October 28



The week-long awareness exhibition displayed various posters and models on safe handling of fire crackers. More than 500 patients and attendees visited the exhibition.



### **Welfare Activity for Cleaners**

Aravind – Pondicherry, October 28

Dr. K. Veena, MLOP In charge, Mr. Poobalan Manager-Admin, Mr. Kanagaraj, Manager-General and Dr. Reddappa, General Physician met all the cleaners of the hospital and motivated them. They distributed the gifts to cleaners for their meritorious service especially without taking off during the past one year.



### Live surgery session on Phaco Chop Techniques and Phaco in Complicated Cases

Aravind – Madurai, October 28

Dr. Haripriya Aravind, Dr. Nirajkumar, Dr. Tanpreet handled the session which was attended by Medical officers, Fellows and Senior PGs at Aravind–Madurai.

### Awareness Programme on Road Safety

Aravind – Madurai, October 31

The session was handled by Mr. A. Narasimmamani who runs a driving school and 'Driving Needs Academy (DNA)' at Thiruppalai. He has been conducting various kinds of awareness programmes and exhibition in association with Regional Transport Department, Police Department and corporate sectors for the benefit of the community. The entire programme provided an opportunity for the staff to get an exposure to various aspects of safe driving.

## CONFERENCES ATTENDED ELSEWHERE

### Annual Conference of European Society of Cataract and Refractive Surgeons (ESCRS)

Vienna, Austria, October 4-9

Dr. K. Thiruveenkatakrisnan, Chief-Cornea Consultant attended EUCORNEA & ESCRS at Amsterdam, presented Instruction Course - Manual Small Incision Sutureless Cataract Surgery in difficult situations.

### Forum 2013

Chennai, October 19



Mr. R.D. Thulasiraj delivered XV1th Dr. S. Rangarajan Memorial Oration at Forum 2013 organised by Sundaram Medical Foundation on October 19 in Chennai.

### Asia ARVO 2013

New Delhi, October 28-31, 2013



Prof. K. Dharmalingam with Prof.VR. Muthukkaruppan led a group of 13 research scholars, 3 Post-Doctoral Fellows, 4 Scientists and 3 Clinician Scientists from Aravind Medical Research Foundation to attend the Asia ARVO meeting held in New Delhi.

#### Invited talks

Prof. VR. Muthukkaruppan gave a talk during the cornea – dry eye session; Dr. Sundaresan on Genomics at the Asia-Pacific Society of Eye Genetics, Dr. Gowri Priya Chidambaranathan on behalf of Dr. Lalitha on Infections and Eye Diseases. Ms. Saumi Mathews was one among the eight

selected scholars to attend the Young Investigators meeting with Dr. Paul Sieving, Director-NEI, NIH and she had the opportunity to present her research work.

Ten research scholars received the Asia ARVO travel fellowship.

#### Oral Presentations by AMRF Faculty & scholars

Dubey Sushil K

- *Molecular analysis of PAX6 Gene in South Indian patients with congenital ocular malformations*

Duvsh Ropam

- *Association study supports rs1015213 as a risk factor for primary angle closure in a south Indian population*

Kannan Thirumalai Raj

- *Genetic analysis of retinoblastoma in south Indian population and its implications in genetic counseling*

Saikia Bibhuti

- *Mitochondrial genes involvement in leber's hereditary optic neuropathy (LHON)*

Krishnadas Ramaswami

- *Evaluation of cadaver eyes for glaucomatous optic nerve damage in absence of prior clinical history*

Parthiban K.R, Niranjana

- *Identification of Stage specific biomarkers for fungal keratitis in human tears*

Ramasamy Sivasamy

- *Identification of virulence factors in Aspergillus fumigatus causing fungal keratitis*

#### Poster Presentations by AMRF Faculty & scholars

Immanuel Harrison

- *Genetic analysis of RPE65 gene in patients with autosomal recessive retinitis pigmentosa*

Govindarajan Gowthaman

- *Association analysis of nuclear encoded ARHGAP22, PLXDC2 and MnSOD genes Polymorphisms in patients with Type-2 Diabetic Retinopathy*

Verma Anshuman

- *Mutational Screening of LCA Genes Emphasizing RPE65 in south Indian cohort of patients*

Kasinathan Jhansi

- *Enrichment of human corneal epithelial stem cells (CESCs) to elucidate the expression of ?Np63 isoforms in relation to stemness*

R. Sharmila

- *Effect of Epalrestat on ALR expression in ARPE-19 cells under hyperglycemia*

Jayapal Jeya Maheswari

- *Comparative analysis of the Aqueous Humor protein profile in Primary Open Angle Glaucoma (POAG)*

Radhakrishnan Santhi

- *Role of Tumour associated macrophages in retinoblastoma in relation to tumour differentiation and progression*



### Symposium on Inherited retinal disease Genetics & Newer treatments (SIGN)

Narayana Nethralaya, Bangalore, October 26-27



Dr. P.Sundaresan

- *Molecular genetics of Leber's congenital amaurosis in Indian population.*



### LAICO HAPPENINGS

#### October Summit 2013 Universal Coverage through Primary Eye Care

LAICO, September 30 – October 2



A total of 48 participants (from eye hospitals, INGOs and non eye care providers) from 11 countries (Australia, Bangladesh, Canada, Ethiopia, Ghana, India, Nepal, Switzerland, Tanzania, UK and USA) participated. The participants were divided into four groups and they worked on the current initiatives, outcomes and challenges and the best practices of primary eye care services. The workshop helped to develop a deeper understanding of the current models and clarity on the roles of Vision Centres/Primary Eye Care through existing models. The key challenges and probable solutions were identified and a roadmap was developed for scaling up primary eye care to enhance coverage.



### **Mentoring Programme for Global Sight Network Initiative - So One Million Eyes See Again**

LAICO, October 3-4



This initiative by SEVA Foundation envisages helping the 100 mentee hospitals perform 1 million additional surgeries a year by 31st December 2015. Enabled through 8 mentors (LAICO, Kilimanjaro Centre for Community Ophthalmology, Tanzania; Lumbini Eye Institute, Nepal; L.V. Prasad Eye Institute, Hyderabad; Sadguru Netra Chikitsalaya, Chittrakoot; VMA-Netra Niramay Niketan, Chaitanyapur; Visualiza, Guatemala and Al Noor, Egypt), each hospital will have the self reliance and capability to continue to perform at these levels and ultimately achieve the goals of VISION 2020: The Right to Sight. In connection to this, LAICO hosted a

mentoring programme which had participants from the mentor organisations except Visualiza and Al Noor. Apart from Seva team, Mr. Colin Williams from Wescott Williams, UK facilitated the programme and suggested recommendations for the future course of action.



### **Rejuvenation through Innovation**

LAICO, October 5-6



The workshop has been organized as part of the October submit for the members of Aravind Eye Care System. Six hospitals of Aravind (Madurai, Coimbatore, Pondicherry, Salem, Tirunelveli, and Theni), LAICO and Aurolab attended this workshop. This workshop is the first step towards making Aravind a more innovative organization and create a platform that will encourage innovation.

The platform aspires to generate productive exploration of new possibilities beyond what is considered feasible and rational today. Dr. Pararajasegaram, Former Consultant – WHO; Suzanne Gilbert, Director, Centre for Innovation in Eye Care – Seva; Mr. Vijayarajan, Mr. Ravi and the senior leaders of Aravind participated and shared their views on Innovation. The workshop was facilitated by Prof. Christian Seelos from the Stanford University with sessions led by Mr. L Natarajan from Titan and Mr. Dheeraj Batra from the Indian School of Business.



### **Workshop on Research Methodology**

LAICO, October 22 – 26



The 8th batch of Research Methodology was conducted in the last week of October with Dr. R.D. Ravindran delivering the welcome address. Dr. P. Namperumalsamy delivered the keynote address and special address was provided by Prof. VR. Muthukkaruppan. This batch had 43 participants. Out of these, 36 participants were the PGs from Aravind Hospitals. There were 7 external candidates. Dr. Ken Basett, Professor and Division Head, British Columbia Centre for Epidemiology and International Ophthalmology, Canada and Mr. Rajesh Kumar John, Biostatistics Consultant, Delve Data Systems, Coimbatore were the guest faculty. There were also 14 internal faculty to share their experience in research and statistical analysis. The workshop guided the participants towards performing a meaningful research.





## Hilton Cataract Initiative (HCI)

LAICO



### An Entrepreneurial Approach to Increasing Access to Cataract Surgical Services in Sub-Saharan Africa

Hilton Foundation has awarded LAICO, a three year project with a grant of US\$ 1.5 Million to work with five ophthalmologists with a goal of enhancing cataract surgical rates to the desired levels in selected areas of Sub-Saharan Africa (SSA) with a focus on efficiency, quality and reaching the poor. This is a joint project involving LAICO, Dr. Al Sommer, Dana Centre and five ophthalmologists - Dr. Dan Kiage: Innovation Eye Centre, Kisii, Kenya; Dr. Kibata: UHEAL Foundation, Nairobi, Kenya; Dr. Asiwome Seneadza, Kitwe Central Hospital, Zambia; Dr. Fitsum, Bekele, Fitsum

Berhan Speciality Eye Centre, Ethiopia and Dr. Kunle Hassan, Eye Foundation, Nigeria.

The key objectives of this project are to (1) Develop high volume, high quality sustainable eye hospitals by adapting preferred practices in service delivery, quality assurance, efficiency and training (2) develop scalable and sustainable service delivery model, built on local solutions addressing the local problems - relevant to SSA.

Bringing together the hospital teams for a Vision building and strategic planning workshop at LAICO was the first step in the project – each hospital team consisting of four members team spent eight days from October 18th – 25th to develop a deeper understanding about Aravind operations and develop an action plan towards achieving the targets set for themselves. Dr. David Friedman, Director, Dana Centre – Wilmer Eye Institute and Mr. R.D. Thulasiraj were with the participating hospitals during the entire workshop period sharing their perspectives and insights with the participants at appropriate times. The hospitals set themselves various annual targets to be achieved by the end of three years. All the hospitals entered into a Memorandum of Understanding (MoU) with LAICO that clearly outlined project goals and objectives, roles of each stakeholders and the expectations.



## ARAVIND MEDICAL RESEARCH FOUNDATION

### Vice Chairman and CEO, Cognizant Foundation Visits AMRF

Aravind – Madurai, October 8



Mr. Lakshminarayanan, Vice Chairman and Mr. S. Madhavan, CEO, Cognizant Foundation, Chennai visited AMRF and had brief discussions with Dr P Namperumalsamy, Dr. VR. Muthukkaruppan and Dr. N.V. Prajna, Prof. K. Dharmalingam gave a presentation on the various activities carried out at AMRF. The guests then visited the laboratories. During the lab visit, the visitors were explained about the use of instruments bought using the grant from Cognizant Foundation.



### Workshop on Biomedical Informatics for Ophthalmologists

Aravind – Madurai, October 11-13



During the October Summit 2013, Bioinformatics Center, Aravind Medical Research Foundation successfully conducted a workshop entitled Biomedical Informatics for Ophthalmologists to promote the newly emerging multidisciplinary field Biomedical Informatics (BMI) and to identify synergies between the Bioinformatics/Omics communities and the Medical Informatics handling healthcare and clinical research in Ophthalmology. Twenty one participants from Aravind Eye Hospital, AMRF and other institutions including ophthalmologists, Scientists and research scholars in the field of vision sciences took part in this workshop. The workshop programme involved Lectures, Demonstration and Hands-On training. All three parts were handled by the Medical Informatics and Bioinformatics/Omics experts. Guest faculties (Dr.

S.N. Sarbadhikari from National Institute of Health and Family Welfare, New Delhi; Dr. S. Krishnaswamy from Madurai Kamaraj University, Madurai; Dr. Chandan Chakraborty from IIT, Kharagpur; Dr. N. Srinivasan from IISC, Bangalore; Dr. N. Jeyakumar from Bioinformatics, Bharathiar University, Coimbatore and Dr. V. Umashankar from Sankara Nethralaya, Chennai) and faculty of Aravind Medical Research Foundation shared their ideas during the workshop.

This workshop provided to the participants, an opportunity to understand importance of biomedical informatics research and how it can add value to the clinical work they do. This programme was supported by Department of Biotechnology and Indian Council of Medical Research, Government of India.



## TRAINING PROGRAMMES

| Course title  | Training Centre    | Total Number Trained as on October 2013 | Enrollments for November 2013 |
|---|--------------------|---|-------------------------------|
| <b>Long term Fellowship Programmes for Ophthalmologists</b>                       |                    |   |                               |
| <b>Fellowship in Cornea</b>   | <b>Madurai</b>     | 77                                      | 2                             |
|   | <b>Tirunelveli</b> | 2                                       | 0                             |
|   | <b>Coimbatore</b>  | 42                                      | 0                             |
|   | <b>Pondicherry</b> | 7                                       | 0                             |
| <b>Fellowship in Glaucoma</b>   | <b>Madurai</b>     | 49                                      | 1                             |
|   | <b>Tirunelveli</b> | 22                                      | 0                             |
|   | <b>Coimbatore</b>  | 33                                      | 1                             |
|   | <b>Pondicherry</b> | 9                                       | 0                             |
| <b>Fellowship in Paediatric Ophthalmology &amp; Strabismus</b>                    | <b>Madurai</b>     | 73                                      | 1                             |
|   | <b>Tirunelveli</b> | 20                                      | 0                             |
|   | <b>Coimbatore</b>  | 31                                      | 0                             |
|   | <b>Pondicherry</b> | 7                                       | 0                             |
| <b>Short Term Courses - For Ophthalmologists</b>                                  |                    |   |                               |
| <b>Diagnosis and Management of Glaucoma</b>                                       | <b>Madurai</b>     | 121                                     | 0                             |
|   | <b>Tirunelveli</b> | 157                                     | 2                             |
|   | <b>Coimbatore</b>  | 119                                     | 1                             |
|   | <b>Pondicherry</b> | 6                                       | 1                             |
| <b>ECCE IOL Microsurgery</b>  | <b>Madurai</b>     | 717                                     | 1                             |
|   | <b>Tirunelveli</b> | 280                                     | 0                             |
|   | <b>Coimbatore</b>  | 222                                     | 0                             |
|   | <b>Pondicherry</b> | 14                                      | 0                             |
| <b>Small Incision Cataract Surgery</b>  | <b>Madurai</b>     | 186                                     | 0                             |
|   | <b>Tirunelveli</b> | 122                                     | 1                             |
|   | <b>Coimbatore</b>  | 149                                     | 1                             |
|   | <b>Pondicherry</b> | 32                                      | 1                             |
| <b>Phacomulsification</b>   | <b>Madurai</b>     | 174                                     | 1                             |
|   | <b>Tirunelveli</b> | 92                                      | 0                             |
|   | <b>Coimbatore</b>  | 130                                     | 0                             |
|   | <b>Pondicherry</b> | 32                                      | 0                             |
| <b>Lasers in Diabetic Retinopathy</b>   | <b>Madurai</b>     | 285                                     | 2                             |
|   | <b>Coimbatore</b>  | 286                                     | 1                             |
|   | <b>Pondicherry</b> | 8                                       | 0                             |
| <b>Management of Retinopathy of Prematurity &amp; Pediatric Retinal Disorders</b> | <b>Coimbatore</b>  | 17                                      | 2                             |

|   |              |     |   |
|---|--------------|-----|---|
| <b>Management Courses</b>   |              |     |   |
| <b>Community Outreach &amp; Social Marketing of Eye Care Services</b> | <b>LAICO</b> | 290 | 4 |



## PUBLICATIONS

- **Am J Ophthalmol.2013 Nov 4. [E pub]**

JeenaMascarenhas, Prajna Lalitha, Venkatesh Prajna, MuthiahSrinivasan, Manoranjan Das, Sean s. d'silva, Oldenburg CE, Borkar DS, Esterberg EJ, Lietman TM, Keenan JD.

- *Acanthamoeba, fungal, and bacterial keratitis: A comparison of risk factors and clinical features.* [Article View](#)

- **J ClinVirol. 2013 Nov; 58(3):528-34.**

Saxena D, Kumar JS, Parida M, Rathinam Sivakumar R, Patro IK.

- *Development and evaluation of NS1 specific monoclonal antibody based antigen capture ELISA and its implications in clinical diagnosis of West Nile virus infection.* [Article View](#)

- **Indian J Ophthalmol. 2013 Oct;61(10):586-8. doi: 10.4103/0301-4738.121083**

Tandon Manish, Shukla D, Huda Rubina, Ramasamy Kim.

- *Pigmented paravenouschorioretinal atrophy with Coat's like response.* [Article View](#)

- **Indian J Ophthalmol.2013 Nov 11. [Epub ahead of print]**

PawarNeelam, Maheshwari D, Ravindran Meenakshi, Ramakrishnan R.

- *Retinal nerve fiber layer thickness in normal Indian pediatric population measured with optical coherence tomography.* [Article View](#)

- **J AAPOS.2013 Nov 6.**

Vedang Shah, Mahesh Kumar, KowsalyaAkkayasamy, and KunalRana.

- *Isolated oculomotor nerve palsy in a child caused by an internal carotid aneurysm.* [Article View](#)



## AUROLAB NEWS

### Vision Day Observation

Aurolab, October 1

The prayer meeting started with prayer song and a moment of silence. Dr.V.P. Ravichandran, Chief Medical Officer, Free Hospital, Aravind -Madurai was invited as chief guest. He shared his vast experiences of working with Chief. Passage from Illuminated Spirit was read. Aravind Anthem was screened during the prayer meeting.



### Navarathiri Celebrations

Aurolab, October 11



The Navarathri celebrations for this year were filled with festivities and colours. There was a 5-step 'Golu display' as is the tradition and a central floral tribute to the goddess. The production staff danced for the Kummi/Garba. Special guest lecture was arranged on during which Mrs.Renugadevi, spoke about "Navarathiriyin SIRRAPPU". Every one enjoyed the guest lecture. The special prasatham was served after the function.



### Awareness Session on Basic Fire Safety Measures, Training and Mock Drill

Aurolab, October 12

The training programme was conducted by Usha Fire Safety Equipments. During the session, the audience was taught as to how to save themselves and others during emergency situations and how to fight fire with the help of fire



extinguishers. The staff members felt the training programme very useful and informative.



### Continuing Technical Education for Production Staff

Aurolab, October 20

Production staff was briefed on the new products in each division, marketing and promotion strategies, solar power generation system and its advantages and power consumption at Aurolab. A guest lecture was organized on How to work with involvement and without Stress? by Ms. Mallika-volunteer from Sivananda Ashram. The entire session was made interactive through different games as well.



### MONTHLY PATIENT STATISTICS

| October - 2013                     |               |               |               |               |               |              |              |          |              |                |
|------------------------------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|----------|--------------|----------------|
| Hospitals                          | Madurai       | Theni         | Tirunelveli   | Coimbatore    | Pondicherry   | Dindigul     | Tirupur      | Salem    | Udumalpet    | Total          |
| <b>HOSPITAL OUT-PATIENT VISITS</b> |               |               |               |               |               |              |              |          |              |                |
| Paying (New & Review)              | 43,517        | 6,967         | 21,689        | 28,442        | 20,978        | 5,312        | 3,378        | -        | 2,284        | 132,567        |
| Free (Direct walk-in)              | 11,885        | 1,730         | 6,350         | 9,230         | 6,403         | 5            | 286          | -        | 879          | 36,768         |
| <b>OUTREACH OUT PATIENTS</b>       |               |               |               |               |               |              |              |          |              |                |
| Regular Eye Camps                  | 5,433         | 1,702         | 4,,771        | 8,606         | 3,237         | -            | 195          | -        | -            | 23,944         |
| Diabetic Retinopathy camps         | 548           | 129           | -             | 640           | -             | -            | -            | -        | -            | 1,317          |
| Refraction Camps                   | 1,402         | 252           | 1,562         | 620           | 250           | -            | -            | -        | -            | 4,086          |
| Mobile Refraction Unit             | -             | -             | -             | -             | -             | -            | -            | -        | -            | -              |
| School Screening camps             | 303           | 148           | 1,463         | 6,380         | 5,346         | -            | -            | -        | -            | 13,640         |
| Paediatric Camps                   | 424           | -             | -             | 150           | -             | -            | -            | -        | -            | 574            |
| Vision Centres                     | 10,476        | 4,206         | 5,573         | 3,542         | 2,821         | -            | -            | -        | -            | 26,618         |
| Community Eye Clinics              | 3,405         | 1,686         | 1,911         | -             | -             | -            | -            | -        | -            | 7,002          |
| <b>Total OP Examinations</b>       | <b>77,393</b> | <b>16,820</b> | <b>4,3319</b> | <b>57,610</b> | <b>39,035</b> | <b>5,317</b> | <b>3,859</b> | <b>-</b> | <b>3,163</b> | <b>246,516</b> |
| <b>SURGERIES</b>                   |               |               |               |               |               |              |              |          |              |                |
| Paying                             | 2,529         | 385           | 932           | 1,287         | 918           | 150          | 103          | -        | 130          | 6,434          |

|                                      |              |            |              |              |              |            |            |          |            |               |
|--------------------------------------|--------------|------------|--------------|--------------|--------------|------------|------------|----------|------------|---------------|
| Free (Direct)                        | 1,818        | 195        | 740          | 1,164        | 598          | 31         | 54         | -        | 97         | 4,697         |
| Camp                                 | 1,623        | 284        | 943          | 1,641        | 812          | -          | 19         | -        | 23         | 5,345         |
| <b>Total Surgeries</b>               | <b>5,970</b> | <b>864</b> | <b>2,615</b> | <b>4,092</b> | <b>2,328</b> | <b>181</b> | <b>176</b> | <b>-</b> | <b>250</b> | <b>16,476</b> |
| Salem statistic will be updated soon |              |            |              |              |              |            |            |          |            |               |

