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## Quote

Trust in dreams, for in them is hidden the gate to eternity.  
 - Khalil Gibran

## Editorial

With the growing recognition in the field of eye care delivery, people from various walks of life visit Aravind to learn more about the unique model and in the last month alone, the institution hosted close to 120 visitors who included high profile government officers, senior team from Mindtree Consulting and BRAC as well as students.

In order to achieve its mission of eliminating needless blindness, Aravind needs to reach everyone in need of eye care. Aravind has resolved to scale up its services and make it accessible to the needy. It was truly a rewarding moment when Aravind established its 50th vision centre in the small town of Panthalkudi.

LAICO hosted the Seva Global Sight Initiative meeting to develop action plans that would move LAICO forward in its mentoring efforts while contributing to the overall GSI goal of one million additional surgeries annually by 2020.

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

*Aravind News Team*

## AWARDS AND ACCOLADES

### Annual Conference of the All India Ophthalmological Society

Agra, February 4-8



Dr. O. Annamalai from Aravind Pondicherry won second place in the quiz programme conducted as part of All India Ophthalmological Conference.

Dr. Arijit Mitra won Best Paper Award for the paper, *An AS OCT based study to note the progression of PACS patients to primary Angle closure (PAC) and primary Angle closure glaucoma (PACG)*.



### Contemporary Research Trends in Diagnostics and Therapeutics

Anna University, Chennai, February 16-18

Mr G Ramesh Kumar, Research Scholar, Department of Microbiology, Aravind - Tirunelveli participated in the three day International Conference titled Contemporary Research Trends in Diagnostics and Therapeutics and presented a paper on Prevalence of ESBL and MBL producing *Pseudomonas aeruginosa* isolates from ocular infections in Tertiary Eye Care Hospital at South India and won first prize under Free Paper presentation.



## NEWS AND EVENTS

### Excursion for the Staff of Aravind – Tuticorin

Tuticorin, February 8

Staff members of Aravind - Tuticorin went on a one day tour to the V O Chidambaranar Port. They got an opportunity to go on a tour of the port and as well as see a ship from USA. All had a good time and at the same time the trip was informative too.



### Inauguration of IOB ATM

Aravind – Tirunelveli, February 11



ATM facility was installed in the hospital premises by Indian Overseas Bank and was inaugurated by Dr R Ramakrishnan, Chief Medical Officer.



### Talk on Parenting

Aravind – Madurai, February 13

Mr. Krishnamoorthy Venkataraman, Vice President – Parent Circle delivered a talk on Parenting for the doctors at Aravind – Madurai. A talk on the same subject was arranged for the staff belonging to other cadres earlier.



### Skill Development Programme

Aravind – Coimbatore, February 14



The training programme was organized for the staff of optical sales, optical technicians, refraction and Counselling Department and supervisors. The programme was arranged in collaboration with Essilor India Pvt Ltd. Mr. V. Swaminathan – CEO of Paradigm Learning Solutions and Mr.Sampat – TamilNadu Sales Manager, Essilor India Pvt.Ltd handled the sessions. Mr. M. Murugesh - Manager Opticals proposed a vote of thanks. Topics covered included like effectiveness communication and team work. The session was highly interactive and the participants really enjoyed it.



### Angaadi at Aravind – Pondicherry

Aravind – Pondicherry, February 14-15

Angadi – the great charity fest was organized by Aravind Eye Hospital, Pondicherry providing a unique shopping



experience for staff and their family members. The event was conceived with the notion of reusing things which people don't want to use any more. Items on sale included new and unused ones. The items were sold at a nominal price and the proceeds from the sales were donated to Deepam School for the Disabled, Auroville. Around 350 staff and their family members visited Angaadi.



### **Exposure Visit to Aravind Eye Care System**

Aravind – Madurai, February 14-17



A team of senior officers of Level E Training Programme organized by Institute of Secretariat and Training Management under the guidance of Shri Moloy Sanyal, Deputy Director from Department of Personnel and Training, Govt of India visited Aravind to get an exposure to the organisational model. During the visit, the team attended various sessions to understand the functioning of Aravind Eye Care System, and visited an eye camp at Kovilpappakudi, Aurolab, and Nithyatha.



### **Team of Senior Delegates from BRAC Visits Aravind**

Aravind – Madurai, February 18



Sir Fazle Hasan Abed, Founder and Chairperson, BRAC, Lady Syeda Sarwat Abed, Director, BRAC Institute of Languages, BRAC University, Mr. Mirza Ali Behrouze Ispahani, Chairman, Management Committee and Mrs. Zahida Isfahan, Advisor to Management Committee from Ispahani Islamia Eye Institute and Hospital visited Aravind Eye Hospital to have discussion related to developing an eye care roadmap for BRAC, and to have a deeper understanding on the delivery of quality eye care services.



### **Workshop on Fire Safety Measures and Mock Drill**

Aravind – Tirunelveli, February 18



Mr Vettum Perumal, District Fire Officer and team conducted the workshop and gave a practical demonstration. The workshop started with an elaborate session on various kinds of fire, fire extinguishers and their usage. A practical demo of firefighting and a mock evacuation procedure was also organized.



### **Team from Mindtree Visits Aravind**

Aravind – Madurai, February 20

A team of senior officials from Mindtree Consulting visited Aravind – Madurai and had a tour of the various facilities. The team held discussions with the senior team here.





### Sauder School of Business, University of British Columbia Visits Aravind

Aravind – Madurai, February 20-23



Team of students from Sauder School of Business, University of British Columbia was here at Aravind Eye Hospital, Madurai to get an understanding about the organization. They worked in groups on the following areas as Operational Excellence, Evidence Based Management, Coordination, Sustainability, and Alignment and made their final presentation to the senior team at Aravind.



### 13th Research Advisory Committee meeting

Aravind - Madurai, February 21



The meeting started with the inauguration of the poster session by Dr. Mohan Rao. Experts analyzed the posters which contained both basic and clinical research. A total of 27 posters were displayed and the students and clinicians explained their work. At the end of the poster session best three posters were selected. Ms. Kasinathan Jhansi Rani got the first prize. Dr. Aalia Rasool Sufi and Dr. M. Soundaram received the second prize. Mr.S.Mohammed Razeeth bagged the third prize.

Prof. VR. Muthukkaruppan Endowment award will be given to the first prize winner during the hospital day celebrations. After a brief presentation of the overview of the research at AMRF, the faculty members presented their work. The committee members interacted with the experts on various issues related to their research work.

The meeting was attended by eminent personalities including Dr. P. Namperumalsamy, Chairman, Prof. K. Dharmalingam, Member Secretary ; Internal Members - Prof.VR.Muthukkaruppan, Dr. Kim, Dr. N. Venkatesh Prajna, External members Dr. C. Mohan Rao, Director, CCMB, Hyderabad, Dr. Anuranjan Anand, Faculty, Human Genetic lab, JNCASR, Bangalore, Prof. D. Karunakaran, Head-Department of Biotechnology, IIT, Chennai, and Dr.Kumaravel Somasundaram, Professor, IISc, Bangalore.



### Hospital Day Celebrations

Aravind – Pondicherry, February 21



Twelfth Hospital day of Aravind-Pondicherry was celebrated in the presence of senior leaders of Aravind. Mr. Philippe Janvier-Kamiyama Consul Général de France was invited as guest of honor for the celebrations. The function started with prayer song followed by the Chief Medical Officer, Dr. R. Venkatesh welcoming the gathering. Dr. Dayakar Yadalla presented the activity report for the year 2014. Dr. G.Natchiar gave an inspiring speech. As a mark of respect and recognition for the efforts put in by the staff, service awards were distributed by Dr. G.Natchiar and Dr. R. Venkatesh. Cultural programmes were also staged. Dr. Tiruvengadakrishnan, proposed a

vote of thanks.



## Inauguration of 50th Vision Centre

Panthalkudi, February 23



Aravind's 50th Vision Centre was inaugurated at Panthalkudi. Dr.V.P.Ravichandran – Consultant, Free hospital, Aravind- Madurai inaugurated the centre. Dr.G.Natchiar, Mr.G.Srinivasan, Mr. Manikandan Valvangi, Camp Sponsor, Dr. Ganesh from Govt PHC; TAS Alagar Samy, Owner-Sri Vidhya Spinnings Mills; Mr. Ravi, Director-Sri Parameshwari Spinning Mills; Mr. Babu, President - Chamber of Commerce, Aruppukottai; Mr.Janaki Raman, Ramco Cement; Mr.Mariyappan, President, Co-operative Society; Mrs. Rajathi, Panthalkudi Panchayat President were present during the occasion. Close to 110 patients were screened on the inaugural day.



## Senior Research Fellowship to Ms. Jhansi

AMRF, February



Ms. M.K. Jhansi Rani, Department of Immunology and Stem Cell Biology, Aravind Medical Research Foundation has been awarded senior research fellowship by the Indian Council of Medical Research.



## Hospital Day Celebrations

Aravind – Tirunelveli, February 28



Aravind – Tirunelveli completed 27 years of its meritorious service. Dr Natarajan, Former Scientific Advisor was the chief guest. Dr G Natchiar, Director - Emeritus, Mr G Srinivasan, Director - Finance and Dr. R. D. Ravindran, Chairman – AECS were the guests of honor.

The grand gala function started with prayer song followed by Dr Shivkumar welcoming the gathering. Dr. Sherin Haroon, Medical Consultant presented the annual report for the year 2014. Dr R Ramakrishnan, Dr G Natchia, Mr G Srinivasan and Dr. R. D. Ravindran gave motivating talks to the employees. Dr Natarajan also spoke and his talk was very informative and inspiring.

Service awards were distributed to the staff members by the chief guests. Cultural programmes were staged. Dr. Maneksha proposed a vote of thanks. Ms. Lakshmi, Manager - HR was the master of ceremony.



## Diabetic Retinopathy Awareness Camp

Palani, February 28

Retina Clinic, Aravind – Madurai organized a DR awareness in the camp. The camp saw an outpatient turnout of 293. Of these, close to 130 patients were diabetic and among these 22 were found to have diabetic retinopathy.



## DR Awareness Programmes

### Madurai



Retina Services at Aravind – Madurai took up extensive programmes to create awareness on diabetic retinopathy. Dr. Naresh Babu gave a talk for the members of Rotary Club south zone at Hotel Fortune Pandiyan. Around 150 members attended the programme.

Awareness talk was given by Ms. Shobana at the DR camp organized in Tirumangalam. Of the 237 people screened, 125 were found to be diabetics and 38 people were found to have diabetic retinopathy.

## CONFERENCES ATTENDED ELSEWHERE

### Annual Conference of All India Ophthalmological Society

Agra, February 4-8



Dr. Ramakrishnan

- Secondary glaucoma
- Surgeries in glaucoma

Dr. Ravichandra

- Intra-ocular pressure and central corneal thickness - A comparison between three different tonometers (Poster)

Dr. P. Sundaresan

- Genetics of glaucoma (Instruction course)

Dr. Manoranjan Das

- Combined procedures DALK and PHACO outcomes

Dr. R. Venkatesh

- Different stages of step-wise transition from manual SICS to phaco-DVD
- Eye health challenges in India – How theory meets practice
- Glaucoma - Program planning / field realities of a Glaucoma program

Dr. Annamalai

- Resolution of serpiginochoroiditis monitored by dynamic play of Fundus auto-fluorescence imaging

Dr. Rafi Ul Islam

- Does primary of oral steroids before starting ATT in patient of Trabecular choroiditis helps in better outcome?

Dr. Palanisamy

- Intraocular pressure after cataract surgery: Phacoemulsification Vs small incision cataract surgery

Dr. Praveen J. Dhanapal

- Surgical skills transfer course: Phaco emulsification & Anterior Vitrectomy.

Dr. S. Priya

- Molecular and clinical study – Methicillin resistant staphylococcus aureus in ocular infection

Dr. Seema Ramakrishnan, Co-Author : Dr. Prabu Baskaran

- Prospective, Randomized study comparing the effect of Nepafenac 0.1% and Ketorolac Tromethamine 0.4% on



*macular thickness*

Dr. Prabu Baskaran

- *Wet Lab – As trainer in OCT*

Dr. ManasNath

- *Wet lab trainer (Phaco)*

Dr. Nilakshi Mondal

- *OCT based macular thickness study after PHACO and SICS*

Dr. Kalpana Narendran

- *Principle and surgical management of strabismus (Instruction course)*

- *Strabismus panorma - Case discussion*

- *Principle and surgical management of strabismus*

- *Strabismus panorama*

- *Management of traumatic cataract / secondary IOL implantation and muscle trauma*

Dr. Rodney Morris

- *Lamellar macular holes- symposium*



Dr. V.R. Saravanan

- *Sutureless SFIOL*

- *Management of retinal vasculitis*

- *Superial indications in CSR*

- *Intravitreal injection in Retinal Vein Occlusion*

Dr. George J Manayathu

- *Atypical and typical central serous chorio retinopathy (Instruction course)*

Dr. Saurabh Arora

- *TTT in CSR (Instruction course)*

Dr Padmavathy

- *Pupils: Emergency neuro ophthalmology*

Dr. Nilakshi Mondal

- *OCT based macular thickness study after PHACO and SICS*

Dr. Rodney J Morris

- *Lamellar macular holes-symposium*

Dr. V R Saravanan

- *Superior indications in CSR*

- *Management of retinal vasculitis*

- *Sutureless SFIOL*

- *Intravitreal injection in retinal vein occlusion*

Dr. George J Manayath

- *Atypical and typical central serous chorio retinopathy- instruction course*

Dr. Saurabh Arora

- *TTT in CSR - instruction course*

Dr. Jitendra

- *Effect of Knapp's procedure in correcting hypotropia in monocular elevation defect*

Dr. Debarpita

- *Ocular morbidity in children with learning disabilities (poster)*

Dr.Kaustubh

- *Idiopathic hypertrophic pachymeningitis: An unusual masquerader of multiple cranial nerve palsy (poster)*

- *Pregnancy, poor teeth and panophthalmitis: A devastating combination (poster)*

- *Occupational profile of patients with central cerous chorioretinopathy ( TOP 100 Poster)*

Dr. Padmavathy

- *Idiopathic hypertrophic pachymeningitis: Anunusual masquerader of multiple cranial nerve palsies*

- *Instruction course on Double trouble- A simplified overview*

Dr. Najam, Dr. Ratneshkumar, Dr. Shivkumar, Dr. Ramakrishnan

- *Poster: visual outcome of suture descemetopexy in descemet membrane detachment after cataract surgery*

Dr. Fathima, Dr. Shivakumar, Dr. Ramakrishnan

- *Video: Management of subluxated IOL case series*

Dr. Arijit Mitra

- *An AS-OCT based study to note the progression of PACS patients to primary angle closure (PAC) and primary angle closure glaucoma (PACG)*
- *An AS-OCT based study to review the result of PACS and PIS patients post Iridoplasty*
- *Uveitic glaucoma - An incidence based study*
- *Rise of IOP post HFA*
- *Video on inferior sclerostomy*



## E-Posters

Dr. Abhilasha Arvind

- *Rare case report from a non endemic area (Orbit Case)*

Dr. Patel Shaila Rajkumar and Dr. Priyanka Mohini

- *Beware of smallpox and glaucoma demyelinating disease*
- *Acute comitant esotropia as a rare presentation of post viral hypoxic insult to brain*

Dr. Patel Shaila Rajkumar, Dr. Priyanka Mohini and Dr. Gajendra

- *A rare case of recurrent optic neuritis with optic nerve cysticercosis*

Dr. Aparajita Shinde

- *Atypical case of viral retinochoroiditis with cerebritis*

Dr. Romana Fazal

- *Treating a challenging retinochoroiditis with avascular necrosis of femoral heads*

Dr. Nuti Shah

- *Are intracameral antibiotics mandatory in all cases of lens abscess?*

Dr. Padmavathy

- *Idiopathic hypertrophic pachymeningitis: An unusual masquerader of multiple cranial nerve palsies*



## User Awareness Programme on Access to E-Resources

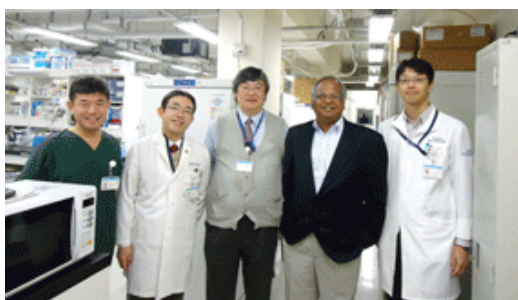
Aravind – Tirunelveli, February 13

Mr Perumalsamy, Librarian, Aravind - Tirunelveli attended a one day awareness programme on Access to E-Resources under UGC/INFONET Digital Library Consortium at The Gandhigram Rural Institute, Gandhigram.



## Annual Conference of Asia – ARVO

Yokohama, Japan, February 16-20



Dr. P. Sundaresan attended Asia-ARVO-2015 and gave an invited talk in the symposium on *Human Retinal Mitoscriptome Gene Expression Signature for Diabetic Retinopathy using Cadaver Eyes*. During the meeting, he interacted with many international faculty and met Dr. Aung Tin and Dr. CC Khor. He visited Dr. Takeshi Iwata laboratory at the Division of Molecular and Cellular biology, National Institute of Sensory Organs, Tokyo Medical Center, Tokyo and participated in the Asian Eye Genetics Consortium (AEGC) meeting and presented his views. In addition, Dr. P. Sundaresan visited Prof. Tomoki Todo

Laboratory at the Department of Surgical Neuro-Oncology, The Institute of Medical Science, The University of Tokyo, Japan and gave guest lecture on *HSV-1 gene therapy and Molecular genetics of Eye diseases in Indian Population*.



## LAICO HAPPENINGS

### Consultancy Visit to Madagascar

Madagascar, January 9-23

As part of consultancy visit, Ms. Priya, Manager – Paediatric Ophthalmology and City Centre, Aravind - Pondicherry along with team from Seva - Canada visited group of SALFA Eye Hospitals and the University Hospital at Madagascar. During this visit, she trained the staff on training school teachers to identify vision problems in children and to





conduct screening camps for school children. She did an evaluation of both Paediatric and general ophthalmology departments in all these hospitals. She helped initiate the school children screening project at SALFA hospital.



### Management Training for Eye Care Programme Managers

LAICO, January 29 – February 11



LAICO hosted the course for eye care programme managers from seventeen countries. A total of 35 participants participated in the course.



### Global Sight Initiative Meeting

LAICO, February 17-18



The purpose of the meeting was to develop action plans that would move LAICO forward in its mentoring efforts while contributing to the overall GSI goal of 1 million additional surgeries annually by 2020. The meeting reviewed the strategic plans of Aravind as a whole and determined how LAICO's mentoring activities fit within and relate to the organization's broader strategy. The meeting also aimed to identify the gaps and the required resources to strengthen LAICO's mentoring capacity, including potential funding sources.



## TRAINING PROGRAMMES

Training Programmes Enrollments for March 2015 at Aravind Eye Care System			
Course title	Training Centre	Enrollments for March 2015	Total number trained till February 2015
Residency Programmes			
Post DO DNB	Pondicherry	5	244
	Coimbatore	3	
Long Term Fellowship Programmes - For Ophthalmologists			
Fellowship in Anterior Segment and Intraocular Lens Surgery	Madurai	1	182
Fellowship in General Ophthalmology	Madurai	1	44
Fellowship in Retina	Coimbatore	1	173
Fellowship in Orbit and Oculoplasty	Coimbatore	1	50
	Madurai	1	
Fellowship in Paediatric Ophthalmology and	Madurai	1	129

<b>Strabismus</b>			
<b>Short Term Courses - For Ophthalmologists</b>			
<b>Diagnosis and Management of Glaucoma</b>	<b>Tirunelveli</b>	1	435
	<b>Madurai</b>	1	
	<b>Coimbatore</b>	2	
<b>Phacoemulsification</b>	<b>Madurai</b>	2	475
	<b>Coimbatore</b>	1	
<b>Lasers in Diabetic Retinopathy</b>	<b>Madurai</b>	2	625
	<b>Coimbatore</b>	1	
	<b>Pondicherry</b>	1	
<b>Small Incision Cataract Surgery</b>	<b>Madurai</b>	1	529
	<b>Tirunelveli</b>	1	
	<b>Pondicherry</b>	2	
<b>ECCE - IOL Microsurgery</b>	<b>Madurai</b>	1	1,253



## PUBLICATIONS

- Aung T, Ozaki M, Mizoguchi T, Allingham RR, Li Z, Haripriya A, et al.  
- *A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome*  
Nat Genet. 2015 Feb 23. [Epub] [Article View](#)
- Saumi Mathews, Chidambaram JD, Lanjewar S, Jeena Mascarenhas, Prajna NV, Muthukkaruppan V, Gowri Priya C.  
- *In vivo confocal microscopic analysis of normal human anterior limbal stroma*  
Cornea. 2015 Apr;34(4):464-70. [Article View](#)
- Agrawal N, Nayak DP, Haripriya A, Bhuwania P.  
- *Phacoemulsification with toric IOL implantation in Alport syndrome with anterior lenticonus having spontaneously ruptured anterior capsule.*  
Eur J Ophthalmol. 2015 Mar 20. [Epub] [Article View](#)
- Kredics L, Narendran V, Shobana CS, Vágvolgyi C, Manikandan P.  
- *Filamentous fungal infections of the cornea: a global overview of epidemiology and drug sensitivity*  
Mycoses. 2015 Apr;58(4):243-260 [Article View](#)
- Prajna NV, Krishnan KT, Mascarenhas J, Rajaraman R, Srinivasan M, Raghavan A, Rose-Nussbaumer J, Oldenburg CE, O'Brien KS, Ray KJ, McLeod SD, Porco TC, Lietman TM, Acharya NR, Keenan JD;  
- *Mycotic ulcer treatment trial I group. vision-related quality-of-life outcomes in the mycotic ulcer treatment trial*  
JAMA Ophthalmol. 2015 Mar 12. [Epub] [Article View](#)
- Niraj Agrawal, Nimmi Rani, Haripriya A, Puja Bhuwania.  
- *Outcome of refractive IOL exchange in traumatic unilateral axial myopia*  
J Clin Exp Ophthalmol 5:385 [Article View](#)



## AUROLAB NEWS

### Aurolab Wins Certificate of Merit

Agra, February 4-8

Aurolab won the AIOS Certificate of Merit for the Trade Stall at the trade Exhibition organized as part of the All India Ophthalmological Society Conference.



## Basic Fire Safety Awareness and Mock Drill Training

Aurolab, February 7



The training programme was conducted by Mr.Arulpragasam of Usha Fire Safety Equipment PVT Ltd. Various kinds of fire extinguishers and their usage were explained in detail during the session. A practical demo of firefighting and a mock evacuation procedure were organized. The participants felt the training programme very informative and useful.



## Motivational Guest Lecture

Aurolab, February 27



A motivational guest lecture for production staff was arranged on the topic of Discover Self. The session was handled by Mr. Nan Narayanan, well-known soft skill trainer. The participants felt the lecture highly interesting.



## MONTHLY PATIENT STATISTICS

### February - 2015

Hospitals	Madurai	Theni	Tirunelveli	Coimbatore	Pondicherry	Dindigul	Tirupur	Salem	Udumalpet	Tuticorin	Total
<b>HOSPITAL OUT-PATIENT VISITS</b>											
Paying (New & Review)	46,340	6,558	23,126	27,555	21,218	5,072	3,585	8,688	2,378	4,739	148,259
Free (Direct walk-in)	12,124	1,709	6,110	8,630	6,776	14	526	307	725	549	37,470
<b>OUTREACH OUT PATIENTS</b>											
Regular Eye Camps	9,738	1,013	3,944	8,732	6,517	-	-	790	-	461	31,195
Diabetic Retinopathy camps	1,197	973	340	1,301	746	-	-	-	-	-	4,557
Refraction Camps	1,916	115	998	2,960	1,041	-	-	-	-	-	7,030
Mobile Refraction Unit	-	-	-	-	-	-	-	283	-	-	283
School Screening	-	-	286	3,720	2,837	-	-	-	-	-	6,843



camps

Paediatric  
Camps

Vision Centres	14,026	4,816	7,490	2,157	3,866	-	794	-	843	-	33,992
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Community Eye Clinics	3,620	1,587	2,346	-	-	-	-	-	-	-	7,553
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<b>Total OP Examinations</b>	<b>87,961</b>	<b>16,771</b>	<b>44,640</b>	<b>55,055</b>	<b>43,001</b>	<b>5,086</b>	<b>4,905</b>	<b>10,068</b>	<b>3,946</b>	<b>5,749</b>	<b>277,182</b>
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**SURGERIES**

Paying	2,693	335	227	1,295	1,098	146	121	426	111	134	8,636
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Free (Direct)	2,204	241	1,325	1,290	788	68	75	65	102	75	6,233
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Camp	2,866	204	735	2,137	1,514	-	20	128	39	40	7,683
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<b>Total Surgeries</b>	<b>7,763</b>	<b>780</b>	<b>4,337</b>	<b>4,722</b>	<b>3,400</b>	<b>214</b>	<b>216</b>	<b>619</b>	<b>252</b>	<b>249</b>	<b>22,552</b>
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A R A V I N D E Y E C A R E S Y S T E M

Admin