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Quote

The only source of knowledge is experience.

Editorial

April has been a busy month not just for Aravind but for the entire nation. People participated in the Indian parliament elections, world's biggest democratic exercise. But all the vibrant happenings around – elections campaigns, rallies and other preparations – do not seem to deter patients from seeking eye care. April is probably one of the busiest months at Aravind, more so in terms of the huge patient load handled. This time as in previous years, staff from various departments were pitched in to support the patient care activities and to ensure smooth flow.

For the first time, Aravind organized a skill certification programme for the Technicians and Coordinators of all the vision centres within the network. The programme was organized under the leadership, guidance and support of Dr. Usha Kim. The event turned out to be a rich platform for knowledge sharing and getting to know each other.

It is often said that what gets measured gets improved. Recently, chief medical officers of all Aravind centres were brought in for a benchmarking exercise at LAICO. The purpose of the workshop was to look at the variations across the hospitals, discuss and learn from each other. Necessary recommendations were made to improve the performance in various areas, in order to provide better patient-centred care.

News about these and many more feature in this issue.

NEWS AND EVENTS

Astigmatism Management Workshop

Aravind-Chennai, April 5









The workshop focused on astigmatism management during cataract surgery with special emphasis on Toric IOLs. 23 doctors from all Aravind centres participated in the workshop which included lectures, discussions and hands-on practice on preoperative reference and demo on axis marking on model eyes.

Aravind Benchmarking (2018) Workshop

Aravind-Madurai, April 9-10



During the workshop performance of seven Aravind hospitals (Madurai, Tirunelveli, Theni, Coimbatore, Pondicherry, Salem and Chennai) was discussed. Altogether 32 participants including CMOs of the respective centres, Medical Officers, Nursing Superintendents and Managers attended. The purpose of the workshop was to look at the variations across the hospitals, discuss and learn from each other. Performance data on various service delivery aspects – outpatient visits, surgery proportion, quality of treatment, specialty services, optical delivery, staff productivity, attendance, etc for the year 2018 was compiled from the recently completed annual Parameters. The two day workshop was facilitated by Dr G Natchiar, Dr R D Ravindran and Mr R D Thulasiraj. Followed by the workshop each hospital has come up with a set of actionable items with time frame.

Tour for Admin staff

Aravind-Tirunelveli, April 7







Second year employees, both MLOPs and Admin were taken on a one day tour to Nagercoil and nearby places .The team visited Thovalai Murugan temple, Thottipalam and Thiruparuppu falls. All had a refreshing bath in the falls to beat the summer heat.

Cancer Screening Camp

Aravind-Tirunelveli, April 12









As part of employee welfare activity, a free cancer screening camp was conducted in association with Nellai Cancer Care Centre for married staff. A total of 65 persons were benefited. For ladies, screening was done for oral, breast and cervical cancers while men were screened for oral cancer.



Eye Donation Awareness Programme

Kalvi Trust Office-Madurai, April 08





Mr. Saravanan, Manager, Rotary Aravind International Eye Bank, Aravind Eye Hospital, Madurai handled an awareness on eye donation and the importance of students' participation in it at Kalvi Trust Office, Madurai. 40 students attended.



Vision Centre Central CME

Aravind-Madurai, April 5-7













The event focused on skill certification of the Technicians and Coordinators of all 75 vision centres of Aravind Eye Care System. The programme was organized under the leadership, guidance and support of Dr. Usha Kim, Head, Vision Centre In Charge. Dr. Kowsalya Balaji , Clinical In Charge Madurai VC's co-ordinated the event. 150 sisters from all the Vision Centres attended the programme. Aravind's Senior leadership team, Doctors from various specialty clinics, Nursing Superintendents from Madurai and other base hospitals were invited. Assessment of skills and content knowledge was held in two batches and the whole organizing team was involved in organising the arrangements. Apart from skill certification, there were sessions on clinical updates. Dr. Dheep, Psychiatrist and Mrs. Chitra Ganapathy gave motivational talk. The participants were taken to Aurolab and Nithyatha for cultural programme and dinner, which was packed with fun and entertainment. Dr.G.Natchiar briefed the participants on the importance of the CME, importance of adhering to values and culture and the roles and responsibilities of staff. This was followed by Certificate distribution. Dr.Usha Kim proposed vote of thanks. The programme was a grand success, thanks to the whole-hearted efforts, support and commitment by the organizing team.



Residents Social Responsibility

Aravind-Madurai, Friday, 12 April 2019



Residents Social Responsibility programme was held in Blessed Kids School for Special Children, Vilangudi, Madurai. A total of 26 children with special needs were screened by Dr. Sahithya, Senior Medical Officer, Paediatric Ophthalmology services and our PGs Dr. Pradeepa, Dr. Nivedita, Dr. Meera Rowther and Dr. Anju. Spectacles were provided with extended support from Low vision clinic and Orbis team.

Eye Donation Awareness Programme and Inauguration of Eye Donation Project

Madurai, April 18







Mr. Saravanan, Manager, Rotary Aravind Eye Bank, Aravind Eye Hospital, Madurai handled an awareness session on eye donation at St. Paul's Church, Madurai and explained the process.

80 persons attended. At the 3-day campaign organized by the church, 120 people pledged their eyes.

Advanced ReLOAD and Anterior Vitrectomy Workshop

Aravind-Chennai, April 26-27









Twelve external ophthalmologists participated in this workshop which covered advancements in phacoemulsification including complication management. Along with the lectures and interactive sessions, the workshop included a live surgery of 10 cases



performed by Dr. Haripriya and hands on Wetlab session in which they performed anterior vitrectomy, practiced insertion of iris hooks and capsule tension ring in animal eyes.



CONFERENCES ATTENDED ELSEWHERE

Annual Orbis India Partners' Meet

New Delhi, April 05-06



Dr. R. Ramakrishnan and Dr. Narendran attended the Annual Orbis India Partners' meet on the topic "The public face of Leadership".



Controversies in Ophthalmology-Europe(COPHy EU)

Dublin-Ireland, April 04-07



Dr. Prerana presented paper titled "Preventing blindness due to Retinopathyy of Prematurity in preterm infants using tele screening in neonatal care units" and she also received a fellowship award "Global Ophthalmology Awards Program (GOAP)" from Bayer.



LAICO HAPPENINGS

Review Meeting - ACCESS Phase II

Dubai, April 11-15



As part of the Phase two of ACCESS Project to improve cataract surgical rate in Sub Saharan Africa, participant hospitals were brought in for a review meeting. LAICO team led by Mr. Thulasiraj Ravilla anchored the meeting. Each hospital presented their performance data, analysis was made and the necessary recommendations were given to further improve their performance. Prior to the meeting LAICO teams made follow up visits as following to the various hospitals concerned and provide the necessary support.

Dr.Shivakumar Chandrasekhar, Ms.Renuka, Ms.Pandiyamma, Ms. Dhivya Ramasamy, Mr. Senthil Kumar - Kitwe Central Hospital Kitwe, Zambia.

Dr. Tiruvengada Krishnan and Mr. Suresh Kumar, Mr. M. Karthikeyan - City Eye Hospital, Nairobi, Kenya.

Dr. Vivekanandhan, Mr. Venkatesh- Fitsum Birhan Hospital, Mekelle, Ethiopia Dr. Rohan Anand Joseph Daniel, Mr. Ganesh Babu Mr. Praveen Kumar- Ijebu hospital, Lagos, Nigeria.



TRAINING PROGRAMMES

Course title	Training Centre	Enrolments for April 2019	
Long Term Fellowship Programs - For Ophthalmologists			
Fellowship in IOL & Anterior Segment	Tirupathi	1	
renowship in 10L & Anterior Segment	Pondicherry	1	
Fellowship in Cornea	Madurai	1	
renowship in Cornea	Coimbatore	1	
Fellowship in Glaucoma	Coimbatore	1	
Fellowship in General Ophthalmology	Madurai	1	
Fellowship in Orbit & Oculoplasty	Madurai	1	
Fellowship in Paediatric ophthalmology	Madurai	1	
renowship in Faediati ic ophthalillology	Coimbatore	1	
Fellowship in Retina Vitreous	Pondicherry	1	
Surgical Surgical Paediatric Retina Fellowship (RoP)	Madurai	1	
Short Term Clinical courses - For Ophthalmologists			
	Madurai	2	
Lasers in Diabetic Retinopathy	Coimbatore	2	
	Pondicherry	1	
Phacoemulsificatioin	Madurai	1	
Phacoemusincation	Coimbatore	1	
Clinical observership in glaucoma	Madurai	1	
Chilical observership in glaucoma	Pondicherry	1	
Short term training in vitrectomy	Madurai	1	
Management of Retinopathy of Prematurity and Paediatric Retinal	Coimbatore	1	
Disorders	Madurai	1	
Small incision antowast suggests	Madurai	1	
Small incision cataract surgery	Coimbatore	1	
Paramedical Courses			
Training for Ocularist	Madurai	2	
Instrument Maintenance courses			
Instrument Maintenance course for technicians	LAICO	2	
Eye Bank courses			
Eye Bank course for technicians	LAICO	2	
Management courses			
Management Training and Systems Development for Hospital			

PUBLICATIONS



• Gong B, Zhang H, Huang L, Chen Y, Shi Y, Tam PO, Zhu X, Huang Y, Lei B, Sundaresan P, Li X, Jiang L, Yang J, Lin Y, Lu F, Chen L, Li Y, Leung CK, Guo X, Zhang S, Huang G, Wu Y, Zhou T, Shuai P, Tham CC, Weisschuh N, Krishnadas SR, Mardin

C, Reis A, Yang J, Zhang L, Zhou Y, Wang Z, Qu C, Shaw PX, Pang CP, Sun X, Zhu W, Li DY, Pasutto F, Yang Z. **Mutant RAMP2 causes primary open-angle glaucoma via the CRLR-cAMP axis.** Genet Med. 2019 Apr 19. [Epub]

<u>Article View</u>

Acharya JR, Veena K, Fredrick M, Anjali K. Wilson's disease and the eye. Tro J Ophthalmol Otolaryngol. 2019;4(1):35-37.

Article View

• Sindal MD, Arthi M. Commentary: Sealing breaks comfortably-A novel approach to retinopexy without positioning. Indian J Ophthalmol 2019 May;67(5):681.

Article View

- Premanand C, Prakash C, Prasanna V, Siva Prasanna T, Ganesh V Raman, Sundaresan P. A novel 5 bp homozygous deletion mutation in ASPH gene associates with Traboulsi syndrome. Ophthalmic Genet. 2019 Apr 23:1-3. [Epub] <u>Article View</u>
- Manoranjan Das, Menda SA, Arun Kumar P, Prajna NV, Yen M, Tsang B, Kumar A, Rose-Nussbaumer J, Acharya NR, McCulloch CE, Lietman TM, McLeod SD, Keenan JD. Repeatability and Reproducibility of Slit Lamp, Optical Coherence Tomography, and Scheimpflug Measurements of Corneal Scars. Ophthalmic Epidemiol. 2019 Apr 25:1-6.

Article View

- Haripriya A, Chang DF, Ravindran RD. Endophthalmitis Reduction with Intracameral Moxifloxacin in Eyes with and without Surgical Complications: Results from 2 million consecutive cataract surgeries. J Cataract Refract Surg. 2019 Apr 22. [Epub]
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- Preethika Gandhi, Naveen R, Khaitan I, Srinivasan M, Prajna NV Toxic Keratitis After Application of Custard Apple Seed for Head Lice Infestation. Cornea. 2019 Apr 30. [Epub] Article View
- Sanil Joseph, Ramasamy Kim, Ravilla D. Ravindran, Astrid E. Fletcher, Thulasiraj D. Ravilla. Effectiveness of Teleretinal Imaging-Based Hospital Referral Compared With Universal Referral in Identifying Diabetic Retinopathy: A Cluster Randomized Clinical Trial. JAMA Ophthalmol. May 9 2019. [Epub] Article View
- Selva Pandiyan Appavu, Lalitha Prajna, Siva Ganesa Karthikeyan R. Genotyping and phylogenetic analysis of Pythium insidiosum causing human corneal ulcer. Med Mycol. 2019 May 9. [Epub]
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- Kantipuly A, Manju Pillai R, Sujani S, Rakhee K, Ganesh V Raman, Krishnadas R, Robin AL, Ehrlich JR. Caregiver burden in primary congenital glaucoma. Am J Ophthalmol. 2019 May 10. [Epub]
 Article View

AUROLAB NEWS

DOSCON 2019

New Delhi, April 12-14







Aurolab participated in Delhi Ophthalmological Society Conference and promoted products such as Aurovue Dfine, Hummingbird, e-see, Aurolase Workstation and 2Step slitlamp with integrated camera and Imaging software.

InOptics 2019 New Delhi, April 12-14

Aurolab participated in InOptics exhibition through their channel partner Fine Vision and promoted e-see autorefractor. e-see got very good response among optometrists and opticians. Many high profile opticians participated in the demo and appreciated the accuracy of the device.



MONTHLY PATIENT STATISTICS

April - 2019

Hospitals	Madurai	Theni	Tirunelveli	Coimbatore	Pondi cherry	Dindigul	Tirupur	Salem	Udumal pet	Tuti corin	CBE CC	Chennai	Tirupati	Total
HOSPITAL OUT-PATIENT VISITS														
Paying (New & Review)	59,384	8,449	29,109	32,725	25,700	6,505	4,106	11,710	3,497	5,184	3,200	15,560	4,322	2,09,451
Free:Direct walk-in (New & Review)	17,035	2,196	6,743	10,848	10,194	NA	1,354	2,228	2,469	1,120	NA	3,803	1,125	59,115
OUTREACH (OUT PAT	IENT												
Comprehensive Eye Camps	3,615	605	2,087	3,732	4,213	NA	127	607	NA	91	NA	1,026	NA	16,103
Diabetic Retinopathy camps	342	281	NA	6	808	NA	NA	NA	NA	NA	NA	NA	NA	1,437
Glaucoma Camps	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Refraction Camps	597	258	913	2	91	NA	324	NA	NA	NA	NA	NA	NA	2,185
Mobile Refraction Unit	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	4
School Screening camps	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paediatric Camps	NA	NA	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	300
Vision Centres	22,839	5,510	11,351	3,966	7,264	NA	977	NA	1,195	NA	NA	NA	NA	53,102
Community Centres / City Centres	8,507	1,857	2,568	NA	2,534	NA	NA	NA	NA	NA	NA	NA	NA	15,466
Total OP Examinations	1,12,319	19,156	53,071	51,283	50,804	6,505	6,888	14,545	7,161	6,395	3,200	20,389	5,447	3,57,163
Total Number of Camps	15	7	16	23	11	NA	1	3	NA	1	NA	5	NA	82
SURGERIES														
Service Proport	ion of Cat	taract S	urgeries											
Paying	3,482	446	1,357	1,695	1,506	328	292	671	241	255	154	804	141	11,372
Free (Direct)	3,542	308	819	1,823	1,136	145	245	359	442	185	NA	318	121	9,443
Camp	1,422	123	650	1,775	1,553	NA	29	NA	205	4	14	NA	106	5,881
Total Cataract Surgeries	8,446	877	2,826	5,293	4,195	473	566	1,235	687	454	154	1,228	262	26,696

Note: NA - Not Applicable

ARAVIND EYE CARE SYSTEM

