Editorial

Aravind is all poised to set foot in the metro city of Chennai and the preparations are in full swing for the grand opening scheduled for the end of September. The facility, the biggest of Aravind centres will serve as a centre of excellence by treating patients, training eye care professionals and disseminating the latest and best practices in eye care.

In the last few years, Aravind has been placing increasing emphasis on creating awareness on Retinopathy of Prematurity. A few projects have been initiated in main centres to tackle the disease at an earlier stage. In the last month, a similar initiative was started at Aravind-Theni to make the public aware of the sight-threatening disease.

Aravind model of eye care delivery though vision centres have been acclaimed in many forums. Recently, inspired by this model, Larsen and Toubro offered Aravind a space inside its primary health centre at Eachanari, to open a primary eye care centre.

News about these and many more feature in this issue.

AWARDS AND ACCOLADES

Lifetime Achievement Award for Dr. M. Srinivasan

New Delhi, August 5-7

Dr. M. Srinivasan, Director Emeritus was presented with the Lifetime Achievement Award at the annual conference of India Society for Cornea and Keratorefractive Surgeons (ISCKRS) held in New Delhi. Dr. Harsh Vardhan, Minister of Science and Technology, Govt. of India presented the award.

Awards at the Annual Conference of Tamil Nadu Ophthalmic Association (TNOA)

Erode, August 5-7
Dr. Shivakumar Chandrasekharan, Chief – Cataract and IOL Services, Aravind-Tirunelveli
- Best Free Paper Award, Is it time to revisit our perioperative prophylaxis for cataract surgery?

Dr. Seema Ramakrishnan, Consultant, Cornea Services, Aravind -Pondicherry
- Second prize, Just a Minute session

Dr. Sahithya .B, Medical Officer, Paediatric Ophthalmology and Adult Strabismus Services, Aravind-Madurai
- Best Paper Award, Cognitive visual dysfunction in children with Autism spectrum disorders

Dr. Uma, MS Resident, Aravind-Madurai
- Best Poster Award, Heavy eye syndrome: A cause of acquired strabismus

Dr. Josephine Shyamala, Senior DNB Resident, Aravind-Pondicherry
- Best of Best Paper Award, A study on conjunctival flora in nasolacrimal duct obstruction nd its changes after DCR surgery

Dr. V. Arjun, Cornea Fellow, Aravind-Coimbatore
- Prof. C.P. Gupta Best Paper Award, Piggyback surgery in nanophthalmos

Dr. A. Balraj and Dr. Savithri. P, DNB Residents, Aravind-Pondicherry
- Second runner up in quiz

SPECIAL EVENTS
Aravind Geared to Set Foot in Chennai

Aravind’s dream project will soon be materialized with the opening of a new branch in Chennai on September 30, 2017. The hospital will be formally inaugurated by Dr. V. Shanta, Chairperson, The Cancer Institute (WIA)-Adyar, Chennai. Situated on the city’s Poonamallee High Road, the facility is spread around 500,000 sq.ft and has all the sub-specialities in ophthalmology. The hospital will strive to provide high quality ophthalmic care at affordable rates. The centre has 250 paying beds and a separate section with 500 beds is set up exclusively for the underprivileged sections of the society offering services for free or at steeply subsidised rates.

NEWS AND EVENTS

Aravind-Theni Celebrates Annual Day

Aravind-Theni, August 26

Aravind Eye Hospital, Theni celebrated its 32nd Annual Day with a variety of programmes. Dr. Dipankar Datta, Chief Medical Officer welcomed the audience. Chief Guest, Dr. Thirunavukkarasu, Dean-Government Theni Medical College, presided over the function and gave a special address. Mobile ophthalmic unit for Retinopathy of Prematurity (RoP) project was inaugurated by Dr. Namperumalsamy, Chairman Emeritus, Aravind Eye Care System. Retention award for the employees were distributed by Dr. Namperumalsamy. Several cultural programs were performed by the nurses and doctors.

Creating Awareness on RoP: New initiative by Aravind –Theni

Theni, August 26
Dr. P. Namperumalsamy – Chairman Emeritus on the occasion of Theni Hospital Day launched a new initiative to create awareness on RoP among the rural people and educate them leveraging information & communication technology. A mobile van equipped with screen, projector & Laptop will visit the planned spot where patients gather & awareness video or power point presentation will be displayed. Also doctors of a specific specialty located either at Theni or Madurai will be connected, and an interactive session will be initiated at a remote location where patient can interact with doctor. First successful trial-cum-demo was completed during the hospital day where audience sitting in the terrace, attending the hospital day function, and also on the ground floor where the van was stationed, listened to Dr. Sahithya delivering a short discourse on ROP from Madurai.

**Aravind-Coimbatore Opens New Vision Centre**

Echanari, August 28

As a new venture, in association with Larsen & Toubro (L & T) Trust, Aravind Eye Hospital, Coimbatore opened a Vision Centre at Echanari inside the L & T Primary Health Centre. Management of L & T was inspired by Aravind’s noble mission of "Eliminating of needless blindness" and requested the management to open an eye unit at their Primary Health Centre campus. Dr. Ashokan – Dean, Coimbatore Medical College inaugurated the centre in the presence of Mr. V.N. Prasad - Vice President & Head – L & T and Dr. V. Narendran, Chief Medical Officer, Aravind Eye Hospital, Coimbatore. Prominent leaders from Echanari also attended the occasion. On the inaugural day, the centre screened 52 people and dispensed 7 spectacles.

**Independence Day Celebrations**

Aravind, August 15, 2017

71st Independence Day was celebrated with great patriotic zeal at all the Aravind centres and Aurolab. National Flag was hoisted. Staff sang patriotic songs and sweets were distributed.

**Observing National Eye Donation Fortnight**

Aravind-Madurai, August 25-September 8
Aravind Integrate Eye Bank Services organized a series of programmes to commemorate the National Eye Donation Fortnight. Programmes included awareness lectures, rallies, distribution of eye donation awareness pamphlets and felicitating donor families and voluntary organisations for supporting this noble cause. Social media was effectively made use of to promote the concept of eye donation.

Gokulashtami Celebration
Aravind-Madurai, August 12

Aravind Madurai and Aurolab celebrated Gokulashtami, birth of Lord Sri Krishna with a dance performance of the production staff and children. Special bhajan was sung. Holy prasadam was distributed to all the staff members.

CONFERENCES ATTENDED ELSEWHERE

Annual Conference of Tamil Nadu Ophthalmic Association (TNOA)
Erode, August 4-6, 2017

Dr. R. Venkatesh
• Moderator for the session, The Grand Debate
• Too soft – stay strong (Video presentation)
• Decision making in glaucoma management: Top 10 mistakes in glaucoma decision making
• Peri-screener-Smartphone based virtual reality device for Perimetry (video)
• E-Video: Opportunistic screening to tackle glaucoma blindness-Experiences from a tertiary Centre
• E-Video: My second innings – Femtosecond laser assisted cataract surgery (FLACS)
Dr. K. Tiruvengada Krishnan
- Refractive surgery – Achieving accurate focus: Art of flap making

Dr. K. Veena
- Basic evaluation of strabismus: Exotic exotropia – How to adjust
- Paediatric ophthalmology in day to day practice: Visual rehabilitation in children

Dr. S. Kavitha
- Safety and Efficacy of 0.1% Nepafenace Versus 1% Prednisolone Acetate eye drops after Laser iridotomy
- Glaucoma II: Shard medical appointment in glaucoma management at the Tertiary Care Eye Hospital – Randomized trial

Dr. S. Balamurugan
- Uveitis – Steroids and beyond Session: Chief Instructor-Ripley believe it or not! Steroids are ineffective these uveitis..
- Uveitis – Decoded for general ophthalmologists: Moderator – Laboratory support in diagnosis of uveitis

Dr. Marie Fredrick Mouttapa
- Paediatric epiphora – Paediatric ophthalmologist’s view
- Paediatric ophthalmology & squint: Is it always necessary to tie the knot? A study in paediatric patients

Dr. Dayakar Yadalla
- Cutting edge technology in ophthalmic diagnostics-Demystified: Investigations in Oculoplasty & disease of the Orbit
- E-Video: Managing uncooperative patients

Dr. R. Jayagayathri
- Treatment algorithms in thyroid eye disease: Non surgical treatment-Its role in thyroid eye disease
- Paediatric epiphora – Practical tips: Chief Instructor
- Paediatric epiphora – Overview

Dr. Swati Upadhyaya
- Smartphone ophthalmology – APPS & SNAPS: Tablet visual fields
- Comparision of two tablet-based visual field screening tests with standard HFA
- Assessing the sensitivity and specificity of non-mydriatic fundus camera for glaucoma screening.

Dr. S. Josepbine Christy
- Learning curve of femtosecond laser assisted cataract surgery
- E-Video: Slit Lamp examination techniques: Wisdom Ride Through the Eye

Dr. Seema Ramakrishnan
- JAM – Just a minute: Simcoe-Assisted Cataract Surgery (SACS)
- Expect the unexpected: Unusual iatrogenic complications
- E-Video: Manual Dsek: Pearls and Pitfalls
- E-Video: Kidding me a steroidologist?!!!
- E-Poster: A tale of 3 puks (peripheral ulcerative keratitis)

Dr. Prabu Baskaran
- E-Video: Extraocular needle guided haptic insertion technique of SFIOL (X-nit)

Dr. V.G. Madanagopalan
- ARMD Update: Is there a perfect doing regiment for monotheraphy?
- Cutting edge technology in ophthalmic diagnostics-Demystified: Retinal & Uveal pathology: Diagnostic investigations & Imaging
- E-Video: Hesitant about Sutureless scleral fixated intra-ocular lenses? Tips and Tricks to take the plunge

Dr. S. Priya
- Ocular manifestations of intra cranial tumors-a clinical profile

Dr. O. Annamalai
- Glaucoma II: Retrospective study on causes of visual impairment and use of low vision aids in a low vision clinic.
- E-Poster: A retrospective analysis of patients with multiple cranial nerve palsy in a Tertiary Eye Hospital
Dr. B. Jayashree
- Paediatric epiphora – Practical tips: Lid causes & its management
- Poster: All that swells is not sac – Rosai – Dormfan disease
- E-Poster: A masquerade less known – Trichoblastoma
- Excess of immunoglobulins – Friend or Foe

Dr. Aruna
- E-Poster: Bipolaris fungal keratitis; An unusual complication of posterior sub-tenon triamcinolone injection

Dr. R. Josephine Shyamala
- Glaucoma in microspherophakia: A study on conjunctival flora in nasolacrimal duct obstruction & its changes after DCR surgery
- A study on conjunctival flora in nasolacrimal duct obstruction & its changes after DCR surgery

Dr. Girish Bharat Velis
- Glaucoma in microspherophakia: Clinical features and treatment outcomes
- External dacryocystorhinostomy in paediatric population with congenital nasolacrimal duct obstruction
- E-Poster: Traumatic macular horse shoe tear following blunt trauma

Dr. John Davis Akkara
- Smartphone ophthalmology – APPS & SNAPS: Chief Instructor
- Smartphone ophthalmology – APPS & SNAPS: Smartphone Eye Checkup
- Smartphone ophthalmology – APPS & SNAPS: Smartphone surgery recording
- Go digital in ophthalmology: Ophthalmology Apps – Getting smarter
- Poster: Iatrogenic injuries during Tonometry, Gonioscopy and Iridotomy and How to prevent them

Dr. R. Priyadarshini
- E-Poster: Spectrum of Neurofibromatosis – Our experience
- Multiple sudoriferous cyst – A common condition yet unknown
- Expect the unexpected – Capillary hemangioma of lid a case report
- Uncommon malignancy of the lacrimal sac – A case report

Dr. Ashish Khodifad
- E-Poster: Acute paracentral middle layer maculopathy

Dr. Govindwar Nikhil
- E-Poster: Outcomes of Dsek at the Tertiary Eye Care Centre, A retrospective analysis

Dr. A. Balraj
- E-Poster: A rare case of choroidal osteoma

Dr. P. Savithiri
- JAM – Just a minute: Park-Bielschowsky Test; An easy way to interpret
- E-Video: Finesse of the fitness program for ophthalmologist
- E-Video: Soft skills in ophthalmology

Dr. S. Subashini
- JAM – Just a minute: Hit the Nail: Never do endeavours in SICS!

Dr. Jefila
- JAM – Just a minute: When to start immunosuppressants in Uveitis?
- JAM – Just a minute: Iatrogenic Uveitis

Dr. M. Subashini
- JAM – Just a minute: Evolution of blocks in cataract surgery

Dr. Usha Kim
- Advances in lacrimal surgery (Instruction course)
- Minimally invasive orbital surgery (Chair)
1st China Eye Health Conference
Taiyuan, China, August 23-29

Mr. R.D. Thulasiraj, Dr. R. Venkatesh and Mr. R.D. Sriram participated in the conference that aimed to develop eye health plan for China.

LAICO HAPPENINGS

Lions Clubs International President Visits Aravind
Aravind – Madurai, August 18

Aravind had the privilege of hosting Lions Clubs International Foundation’s President, Dr. Naresh Aggarwal. At the function organised in LAICO auditorium, Dr. R.D. Ravindran welcomed the audience. Lion P.S. Ranganathan recollected the association of Lions with Aravind over the years. Mr. R.D. Thulasiraj shared the highlights of the Aravind-Lions collaboration. Dr. Naresh Aggarwal expressed his satisfaction at the close association of both the organisations and urged Aravind to contribute to reducing blindness due to Diabetic Retinopathy.

Consultancy Visits
Dr. Ashok Vardhan and Md. Dhivya Ramasamy made follow up visit to RK Mission Eye Hospital, Muzaffarpur, Bihar from August 3 to 5. Mr. R.D. Thulasiraj, Dr. Prabhu V and Mr. Sanil Joseph made follow up visit to Sheikh Fazilatunnessa Mujib Eye Hospital & Training Institute, Gopalganj, Bangladesh from August 5 to 7. The team also participated in a discussion with the Ministry and staff of the Ministry of Health and Family Welfare and signed MoU for providing continuing support to the National Eye Care Programme of the Government of Bangladesh.

Dr. Ashok Vardhan and Mr. Syed Ali made follow up visit to Jamshedpur Eye hospital, from August 5 to 7.

Ms. K.M. Sashipriya visited Shija Eye Care Foundation, Imphal & Netra Niramay Niketan Chandi, from August 16-19 to participate in the discussions on setting up secondary level paediatric eye care services.

Dr. Swati Upadhyaya and Mr. R. Suresh Kumar made needs assessment visit to Anandrishiji Eye Hospital, Ahmednagar, Maharashtra from August 29 to 31.

**Review Meeting**

Chitrakoot, August 25-26

Mr. Suresh Kumar and Mr. Syed Ali attended the SCALE Project Mentors Review Meeting held at SNC, Chitrakoot from 25 to 26 August 2017. The purpose of the meeting was to understand the one year progress of the project towards its goals; share, discuss and evolve strategies to improve the consulting process and develop action plans for the future.
TRAINING PROGRAMMES

Enrolments for August 2017 at Aravind Eye Care System

<table>
<thead>
<tr>
<th>Course title</th>
<th>Training Centre</th>
<th>Enrolments for August 2017</th>
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</thead>
<tbody>
<tr>
<td>Residency Programs</td>
<td></td>
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<tr>
<td>Diplomate of National Board</td>
<td>Tirunelveli</td>
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<tr>
<td>Post DO DNB</td>
<td>Tirunelveli</td>
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<tr>
<td>Long Term Fellowship Programs - For Ophthalmologists</td>
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<tr>
<td>Comprehensive Ophthalmology</td>
<td>Theni</td>
<td>1</td>
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<tr>
<td>Cornea</td>
<td>Coimbatore</td>
<td>1</td>
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<tr>
<td>Glaucoma</td>
<td>Pondicherry</td>
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<tr>
<td>Orbit &amp; Oculoplasty</td>
<td>Coimbatore</td>
<td>1</td>
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<tr>
<td>Paediatric Ophthalmology &amp; Strabismus</td>
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<td>2</td>
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<tr>
<td>Uvea</td>
<td>Madurai</td>
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<tr>
<td>General Ophthalmology</td>
<td>Coimbatore</td>
<td>1</td>
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<tr>
<td>Retina - Vitreous</td>
<td>Madurai</td>
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<tr>
<td>Short Term Courses - For Ophthalmologists</td>
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<tr>
<td>Lasers in Diabetic Retinopathy</td>
<td>Coimbatore</td>
<td>3</td>
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<tr>
<td>Observership in Glaucoma</td>
<td>Madurai</td>
<td>1</td>
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<tr>
<td>Management of ROP and Pediatric Retinal Disorders</td>
<td>Coimbatore</td>
<td>2</td>
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<td>Paramedical courses</td>
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<td>Fundus Fluorescein Angiography &amp; Ultrasonography</td>
<td>Madurai</td>
<td>1</td>
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<tr>
<td>Refraction techniques</td>
<td>Madurai</td>
<td>4</td>
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<tr>
<td>Instrument Courses for technicians</td>
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<tr>
<td>Instrument Courses for technicians</td>
<td>LAICO</td>
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<tr>
<td>Management Courses</td>
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<tr>
<td>Management Training and Systems Development for Hospital Administrators / Managers</td>
<td>LAICO</td>
<td>14</td>
</tr>
</tbody>
</table>

PUBLICATIONS


• Macintosh PW, Virna Shah. Steroids in the Management of Synkinesis after Traumatic Oculomotor Palsy in India. Neuro-Ophthalmology. 2017 Vol. 0, Iss. 0, 0 Article View

MONTHLY PATIENT STATISTICS

August - 2017

<table>
<thead>
<tr>
<th>Hospitals</th>
<th>Madurai</th>
<th>Than i</th>
<th>Tirunelveli</th>
<th>Coimbatore</th>
<th>Pondicherry</th>
<th>Dindigul</th>
<th>Tirupur</th>
<th>Salem</th>
<th>Udu malpet</th>
<th>Tuticorin</th>
<th>RS Puram</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paying (New &amp; Review)</td>
<td>54,129</td>
<td>8,647</td>
<td>28,043</td>
<td>32,893</td>
<td>26,515</td>
<td>6,291</td>
<td>4,130</td>
<td>11,344</td>
<td>3,367</td>
<td>4,947</td>
<td>2,965</td>
<td>1,83,271</td>
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<tr>
<td>Free:Direct walk-in (New &amp; Review)</td>
<td>18,121</td>
<td>2,152</td>
<td>7,530</td>
<td>10,332</td>
<td>9,901</td>
<td>NA</td>
<td>862</td>
<td>1,705</td>
<td>1,435</td>
<td>795</td>
<td>NA</td>
<td>52,833</td>
</tr>
</tbody>
</table>

OUTREACH OUT PATIENT

| Comprehensive Eye Camps | 9,205  | 1,442  | 3,285       | 7,333      | 6,511       | NA      | NA     | 912   | NA         | 423       | NA       | 29,111 |
| Diabetic Retinopathy camps | 763  | 216    | 43          | 785        | 210         | NA      | NA     | NA    | NA         | NA        | NA       | 2,017  |
| Refraction Camps | 993  | 70     | 683         | 1912       | 827         | NA      | NA     | NA    | 304        | NA        | NA       | 4,789  |
| Mobile Refraction Unit | NA  | NA     | NA          | NA         | NA          | NA      | NA     | NA    | NA         | NA        | NA       | NA     |
| School Screening camps | NA  | 417    | 956         | 778        | 1659        | NA      | 151   | 234   | NA         | NA        | NA       | 4195   |
### Paediatric Camps
|          | NA | 475 | NA | 216 | 297 | NA | NA | NA | NA | 988 |

### Vision Centres
|          | 20,534 | 5,516 | 10,518 | 3,329 | 5,745 | 1,097 | NA | 1,632 | NA | 48,371 |

### Community Centres / City Centres
|          | 8,713 | 2,068 | 2,564 | NA | 2,615 | NA | NA | NA | NA | 15,960 |

#### Total OP Examinations
|          | 1,12,458 | 21,003 | 53,622 | 57,578 | 54,280 | 6,291 | 6,240 | 14,195 | 6,738 | 6,165 | 2,965 | 3,41,535 |

#### Total Number of Camps
|          | 32 | 12 | 20 | 27 | 24 | NA | NA | 7 | NA | 3 | NA | 125 |

### SURGERIES

#### Service Proportion of Cataract Surgeries

<table>
<thead>
<tr>
<th></th>
<th>Paying</th>
<th>Free (Direct)</th>
<th>Camp</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>3,031</td>
<td>3,188</td>
<td>3,341</td>
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<td>366</td>
<td>254</td>
<td>194</td>
</tr>
<tr>
<td></td>
<td>1,180</td>
<td>916</td>
<td>838</td>
</tr>
<tr>
<td></td>
<td>1,366</td>
<td>1,348</td>
<td>1,910</td>
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<td></td>
<td>1,460</td>
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<td></td>
<td>8,721</td>
<td>7,745</td>
<td>8,737</td>
</tr>
</tbody>
</table>

#### Total Cataract Surgeries
|          | 9,560 | 814 | 2,934 | 4,624 | 4,740 | 326 | 275 | 1,040 | 470 | 313 | 107 | 25,203 |

**Note:** NA - Not Applicable