

AIOS ARC – THINK UNDER THE APPLE TREE

Date: Wednesday, 1st June 2022. | Time: 10.00 am – 06.00 pm | Hall: J

(The Prelims: 01)

Session Duration: 10.00 – 11.25 am

This is a session for our young minds in ophthalmology inspiring them to think beyond the clinical scenario of our day to day practice in ophthalmology. The session will be conducted in two parts, the prelims and the finals.

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| Chairman | : | Dr. Natarajan S |
| Co-Chairman | : | Dr. Chandrima Paul |
| Convenor | : | Dr. Chitra Ramamurthy |
| Moderator | : | Dr. Anagha Heroor & Dr. Satyajit Sinha |

Panelists:

Dr. Harshul Tak, Dr. Shrinivas Joshi, Dr. Rohit Saxena,

Judges:

Dr. Prashant Keshao Bawankule, Dr. K. Naresh Babu, Dr. Virendra Agarwal,
Dr. Kamaljeet Singh, Dr. R. Unnikrishnan Nair, Dr. Purendra Bhasin,
Dr. Nikhil Gokhale, Dr. Samar Kumar basak, Dr. Jyoti Matalia,
Dr. Bharti Kashyap, Dr. Krishna Prasad R

Each Presentation: 04 Minutes + 02 Minutes Discussion

| S. No | Speaker | Topic |
|-------|-------------------------------|---|
| 1 | Dr. Prasanna Venkatesh Ramesh | Eye_MG_AR / New-Age Application for e-Ophthalmic Pedagogy & Counselling with 3D Augmented Reality |
| 2 | Dr. Karthikeyan Mahalingam | U-tool: A novel method for measuring corneal diameter in infants screened for congenital glaucoma |
| 3 | Dr. Santosh Shankar Bhide | Novel lateral chopper for stress free chopping |
| 4 | Dr. Arvind Kumar Morya | Smartphone- Annotation Tool for Image Labelling for Artificial Intelligence in Diabetic Retinopathy |
| 5 | Dr. Narendra Singh Verma | Toric marking topographer |
| 6 | Dr. Ashish Ahuja | PVRS - post vitrectomy recovery system |



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| 7 | Dr. Charuta Puranik | Successful application of regenerative medicine in management of Corneal Ectasia in Rabbit model. |
| 8 | Dr. Dhivya A. | Semilunar sign of scleritis in cornea |
| 9 | Dr. Vivek Aravind | Efficacy of intrastromal voriconazole injection as an adjunct in non responding fungal keratitis |
| 10 | Dr. Ujjaval rathi | Study of ocular morbidity and orbital fracture following rta in a tertiary care center (western up) |
| 11 | Dr. Prabu Baskaran | A Novel Suture Thread Device for Easy Scleral Fixation of a Multi Piece Intraocular Lens (S-FIX) |

- Participants will be allowed to compete in the Prelims round on Wednesday, 1st June 2022, Preconference Day - AIOS 2022.
- Each participant will have 04 minutes each to present their innovation to the judge's panel (04 minutes presentation + 02 minutes discussion)
- Among these participants, the top 3 from each of the prelim session would be selected to participate in the finals. These 12 participants would then compete against each other in the finals. The same presentation would have to be presented in the finals.

**The Final is on Wednesday, 1st June 2022 |
04.30 – 05.55pm in Hall: J**

AIOS ARC – THINK UNDER THE APPLE TREE (The Prelims : 02)

Session Duration: 11.30 – 12.55 pm

This is a session for our young minds in ophthalmology inspiring them to think beyond the clinical scenario of our day to day practice in ophthalmology. The session will be conducted in two parts, the prelims and the finals.

Chairman : Dr. Ashok Kumar Grover
Co-Chairman : Dr. Gaurav Luthra
Convenor : Dr. Jitendra N Jethani
Moderator : Dr. Chitra Ramamurthy &
Dr. Anagha Heroor, Dr. Rohit Saxena

Panelists:

Dr. Harshul Tak, Dr. Shrinivas Joshi, Dr. Satyajit Sinha,

Judges:

Prof. Gopal S Pillai, Dr. Mallika Goyal, Dr. Vinod Kumar Arora, Dr. Rashmin Gandhi,
Dr. Dinesh Garg, Dr. Sonu Goel, Dr. Shobhit Chawla, Dr. Aniruddha Maiti,
Dr. Mohan Rajan, Dr. Swapna Nair, Dr. Kumar J. Doctor, Dr. Rajashekar Y L

Each Presentation: 04 Minutes + 02 Minutes Discussion

| S. No | Speaker | Topic |
|-------|-------------------------------------|--|
| 1 | Dr. Prabu Baskaran | A Novel Do-It-Yourself Anti-fogging Device For Vitreo Retinal Surgeries |
| 2 | Dr. Mahindrakar Aniruddha Dinkar | Surgical time in Modified(MOD) sutured SFIOL with Standard(STD) technique of SFIOL |
| 3 | Dr. Devendra Maheshwari | A novel technique of sulcus placement Aurolab aqueous drainage implant tube in pseudophakic eyes |
| 4 | Dr. Surbhi Agrawal | Best Out of Waste – Discarded Lightpipe to DIY Chandelier |
| 5 | Dr. Shruti Dheep | A novel wearable device for dynamic measurement of sunlight in children |
| 6 | Dr. Zain Khatib | Ismart Contoura LASIK: A new Contoura LASIK planning software |
| 7 | Dr. Avadhesh Oli | New needle for suprachoroidal triamcinolone acetonide injections |



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| 8 | Dr. Avadhesh Oli | Autologous blood assisted scleral fixation of intraocular lens |
| 9 | Dr. Seema ramakrishnan | The brave slash in a new context |
| 10 | Dr. Prasanna venkatesh ramesh | The do it yourself (diy) novel, safe & cost-effective ophthalmic cubicle (coronicle) in covid-19 era |
| 11 | Dr. Jebinth brayan | Phaco-sit - a novel innovative sitting phacoemulsification technique |

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AIOS ARC – THINK UNDER THE APPLE TREE (The Prelims: 03)

Session Duration: 01.00 – 02.25 pm

This is a session for our young minds in ophthalmology inspiring them to think beyond the clinical scenario of our day to day practice in ophthalmology. The session will be conducted in two parts, the prelims and the finals.

Chairman : Dr. Himanshu Mehta
Co-Chairman : Dr. Sourabh D. Patwardhan
Convenor : Dr. Chitra Ramamurthy
Moderator : Dr. Rohit Saxena,
Dr. Shrinivas M Joshi

Panelists:

Dr. Harshul Tak, Dr. Satyajit Sinha, Dr. Anagha Heroor,

Judges:

Dr. Kim Ramasamy, Dr. Anand Rajendran, Dr. Sujatha Mohan, Dr. Deepak Mishra,
Dr. M. Vanathi, Dr. Subudhi B N R, Dr. Jatinder Singh Bhalla, Dr. Mukesh Sharma,
Dr. Shubhra Goel, Dr. Subhasish Nag, Dr. Ramesh Dorairajan,
Dr. N.V. Arulmozhi Varman, Dr. Preetam Samant

Each Presentation: 04 Minutes + 02 Minutes Discussion

| S. No | Speaker | Topic |
|-------|--------------------------|--|
| 1 | Dr. Megha Nair | I-VERTER |
| 2 | Dr. John Davis Akkara | Pocket FundaScope - 3D printed, foldable, ultraportable smartphone fundus camera |
| 3 | Dr. John Davis Akkara | Designing and making 3D Printed Glaucoma Drainage Devices |
| 4 | Dr. Prithvi Chandrakanth | Slit Lamp based Intraocular lens Microscope (S.L.I.M) |
| 5 | Dr. Hirika Gosalia | Do it yourself fixation target: magnifix |
| 6 | Dr. Fathima A. | SICS -" Tunnel stamp" |

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| 7 | Dr. Prasanth Gireesh | Screen Cam |
| 8 | Dr. Haripriya Aravind | A Modified Iris Fixated IOL Technique |
| 9 | Dr. Meenakshi Wadhvani | An age appropriate questionnaire in a community based childhood visual impairment study- Useful tool |
| 10 | Dr. Ashwini Kumar | Vision Miracles |
| 11 | Dr. Venkataprabhakar Guduru | ADL lens - A novel intraocular lens design to prevent negative dyaphotopsia. |
| 12 | Dr. Jatinder Bali | Low cost wireless ophthalmic clinics:Indian JUGAD(Jatinder's Universal General Application Device) |

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**The Final is on Wednesday, 1st June 2022 |
04.30 – 05.55pm in Hall: J**

AIOS ARC – THINK UNDER THE APPLE TREE

(The Prelims: 04)

Session Duration: 02.30 – 03.55 pm

This is a session for our young minds in ophthalmology inspiring them to think beyond the clinical scenario of our day to day practice in ophthalmology. The session will be conducted in two parts, the prelims and the finals.

Chairman : Dr. Namrata Sharma
Co-Chairman : Dr. Chandrashekhar Wavikar
Convenor : Dr. Vinod Mehta
Moderator : Dr. Chitra Ramamurthy &
Dr. Harshul Tak, Dr. Soundarya B

Panelists:

Dr. Shrinivas M Joshi, Dr. Rohit Saxena, Dr. Anagha Heroor, Dr. Satyajit Sinha,

Judges:

Dr. S. S. Haldipurkar, Dr. Naresh Babu K, Dr. Parikshit Gogate,
Dr. Santhosh Bhede, Dr. Naren Shetty, Dr. Mahesh Gopalakrishnan, Dr. Rishi Swarup,
Dr. Elankumaran Pasupathi, Dr. Ramakrishnan R, Dr. Arshad Siddiqui,
Dr. Ramesh Kekunnaya, Dr. V Rajalingam

Each Presentation: 04 Minutes + 02 Minutes Discussion

| S. No | Speaker | Topic |
|-------|------------------------|--|
| 1 | Dr. Kunal Mandlik | Paper Assisted Scleral Simulator (PASS)- Novel device for dry-lab surgical training in COVID-19 era |
| 2 | Dr. Kunal Mandlik | Low-cost Burr for Pterygium surgery |
| 3 | Dr. Shivraj Tagare | Incremental innovations in eye care |
| 4 | Dr. Vignesh Elamurugan | Synthesis of a novel compound for use as sealant in Posterior Capsular Rents |
| 5 | Dr. Shreoshee Ghosh | Revelation: vep amplitude & latency are unrelated variable; amplitude is reduced in retinal disease. |
| 6 | Dr. Divya Raichandani | A challenging Post Covid Rhino Orbital Cerebral Mucormycosis (ROCM) : Much more to learn |



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| 7 | Dr. Aiman Khan | SCOOBY DOO (Smartphone CO-aided cObalt Blue photographY ; DO it yOurself) |
| 8 | Dr. Tejaswiny Saxena | PATTERN OF OCULAR DISEASES IN OPHTHALMOLOGY DEPARTMENT OF HIGHER CENTRE SEEN DURING COVID19 PANDEMIC |
| 9 | Dr. Prithvi Chandrakanth | THE SMARTSCOPE KIT – A MUST FOR EVERY OPHTHALMOLOGIST |
| 10 | Dr. Tejaswiny Saxena | NEUROMYELITIS OPTICA (NMO/ Devic's syndrome) : A CASE REPORT |

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AIOS ARC – THINK UNDER THE APPLE TREE



(The FINAL)

Date: Wednesday, 1st June 2022. | Time: 04.30 – 06.00 pm | Hall: J

Chairman : Dr. Harbansh Lal
Co-Chairman : Dr. Lahane Tatyrao Pundlikrao
Convenor : Dr. Ajoy Paul
Co-Convenor : Dr. Kumar J. Doctor
Moderator : Dr. Chitra Ramamurthy &
Dr. Satyajit Sinha, Dr. Anagha Heroor
Dr. Tamilarasi

Panelists:

Dr. Harshul Tak, Dr. Shrinivas Joshi, Dr. Rohit Saxena

Judges:

Dr. Mahipal Sachdev, Dr. Ashok Grover, Dr. Debasish Bhattacharya, Dr. S. Natarajan,
Dr. Avinash Pathengay, Dr. Minu M. Mathen, Dr. Guruprasad Ayachit,
Dr. Jyotirmay Biswas, Dr. Gaurav Luthra, Dr. Vivek Dave, Dr. Sriganesh,
Dr. Jignesh Bhaichand Taswala

Each Presentation: 04 Minutes + 02 Minutes Discussion

| S. No | Speaker | Topic |
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- The TOP 12 finalists would present their innovations.
- Each participant will have 04 minutes each to present their innovation to the judges panel (04 minutes presentation +2 minutes discussion)

Concluding Remarks:
Dr. Chitra Ramamurthy
Chairperson ARC
