



# AIOS ARC – THINK UNDER THE APPLE TREE

Date: 12<sup>th</sup> May 2023, Friday | Time: 08:00 – 16:00 | Hall: Pearl

## (The Prelims: 01)

**Session Duration: 08:00 – 09:25**

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. Natarajan S  
**Co-Chairman** : Dr. Sushmita Kaushik  
**Convenor** : Dr. Chitra Ramamurthy  
**Moderator** : Dr. Harshul Tak, Dr. Rohit Saxena

### Panelists:

Dr. Anagha Heroor, Dr. Satyajit Sinha, Dr. Shrinivas Joshi

### Judges:

Dr. Prashant Keshao Bawankule, Dr. K. Naresh Babu, Dr. Virendra Agarwal,  
Dr. R. Unnikrishnan Nair, Dr. Purendra Bhasin, Dr. Bharti Kashyap, Dr. Krishna Prasad R,  
Dr. Rakesh Shakya Dr. O.P. Agrawal Dr. Satanshu Mathu, Dr. Prakash Marathe  
Dr. Subhra Goswami, Dr. C.A.P. Prabhu

### Each Presentation: 04 Minutes + 02 Minutes Discussion

S. No	Speaker	Topic
1	Dr. Neeraj Israni	STORM: Slit lamp assisted TORic Marker( A novel innovation )
2	Dr. Arvind Kumar Morya	Advanced Terminator Chopper - A new an novel chopper in managing Mature Hard Cataract
3	Dr. Prithvi Chandrakanth	THE SLITSCOPE
4	Dr. Kanika Chhabra	RetiSurge -A model eye for “Dry Lab” training in vitreoretinal surgery
5	Dr Avadhesh Oli	Innovative & Cost-effective battery and sleeves for Tonopen to record intraocular pressure
6	Dr. Pranesh Ravi	DIY lipiview -From Ideation,Pitfall and to triumph
7	Dr. Pranesh Ravi	JOTing in time saves nine - Precedence in history taking



8	Dr. Anjali Khadia	An Innovative way in teaching examination of strabismus for residents
9	Dr. Shafeena P	Eyespirator -Just push! A novel push technique aspiration tool
10	Dr. Athul S Puthalath	3-D printed LAG (Lens Attachment Guard) - a novel protection system for lenses used in ophthalmology
11	Dr. Rubina Afreen Shaikh	CHONDROSARCOMA : A RARE ENTITY
12	Dr. Dipankar Das	LASER detection: Novel approach to detect microorganisms

- Participants will be allowed to compete in the Prelims round on (Date) - AIOC 2023.
- 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 12<sup>th</sup> May 2023**  
**14:00 – 16:00 in Hall Pearl**

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

**Session Duration: 09:30 – 10:55**

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. Satyajit Sinha, Dr. Tamilarasi

## **Panelists:**

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

## **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. Rajashekar Y L, Dr. Kumar J. Doctor,  
Dr. Thomas Cherian, Dr. Srikant Singh

## **Each Presentation: 04 Minutes + 02 Minutes Discussion**

S. No	Speaker	Topic
1	Dr. Athul S Puthalath	Intraocular diathermy instrument (IDI) – a challenge overcome in Vitreo-retinal surgery
2	Dr. Sayantan Ghosh	Drug Penetration through Cornea -An estimation of Ocular tissue Barrier
3	Dr. Dipankar Das	Mapping of retinal pigment epithelium: In normal and pathology
4	Dr. Anand Parthasarathy	LOOK CLOSER GO DEEPER- Intraoperative OCT for Endothelial Keratoplasty
5	Dr. Prasanna Venkatesh Ramesh	3D printing ophthalmology related models for enhancing learning through concept of puzzle assembly
6	Dr. Boral Subhendu Kumar	“Micro VFC” - A simple homemade new tool to access sub-retinal space in a controlled way.



7	Dr. Hirika Gosalia	i-Log: A perfect Surgical Digi-logbook for every Resident!
8	Dr. Ankit Agrawal	LOW COST WIDE FIELD OCT
9	Dr. Pradeep Kumar	Retrobulbar Dexamethasone and Triamcinolone mixture in Optic Neuritis
10	Dr. Narendra Singh Verma	Manual Image Guided System
11	Dr. Ushma Vora	“To See the Unseen” – A novel technique of identifying Occult Retinal Breaks intraoperatively.
12	Dr. Jitendra Nenumal Jethani	D.I.Y stereotest: Calculate amount of stereopsis

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

**Session Duration: 11:00 – 12:25**

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. Sriram Gopal  
**Co-Chairman** : Dr. Sourabh D. Patwardhan  
**Convenor** : Dr. Chitra Ramamurthy  
**Moderator** : Dr. Rohit Saxena, Dr. Deepthi Joshi

### **Panelists:**

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

### **Judges:**

Dr. Kim Ramasamy, 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, Dr. Anand Rajendran, Dr. Radha Ramanan B, Dr. Chaitra Jayadev

**Each Presentation: 04 Minutes + 02 Minutes Discussion**

S. No	Speaker	Topic
1	Dr. Aiman Khan	Contact lens FIT assessment using Smartphone CO-aided cObalt Blue photographY (Scooby-Fit)
2	Dr. Prithvi Chandrakanth	THE GIMBALSCOPE
3	Dr. Arvind Kumar Morya	Disposable Sewing Needle Microcapsulotome - A new&novel Instrument to prevent Argentinian Flag Sign
4	Dr. Prasanth Gireesh	Screen Cam
5	Dr. Sanjay Chaudhary	The Flap-Rhexis technique in a white turgid cataract
6	Dr. Chhaya Bharti	Crores worth, Montage view of retina by capturing images on Android mobile.
7	Dr. Jebinth Brayan	PHACOSIT



8	Dr. Ashwini Kumar	Multipronged Study to improve vision in hopeless condition at Mahavir Nrtralaya Patna
9	Dr. Narendra Singh Verma	EASYTOR An easy complete toric solution.
10	Dr. John Davis Akkara	Intraocular Pressure Measurement using a novel, affordable, portable device
11	Dr. Vivekanandan V R	Flanges - the brahmastra for anterior segment surgeons
12	Dr. Prasanna Venkatesh Ramesh	An Innovative, Self-Built, Cost-Effective & Patent Protected 4D Holographic Ophthalmic Metaverse

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# **AIOS ARC – THINK UNDER THE APPLE TREE (The Prelims: 04)**

**Session Duration: 12:30 – 13:55**

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. SJ Saikumar  
**Co-Chairman** : Dr. Chandrashekhar Wavikar  
**Convenor** : Dr. Minu Mathen  
**Moderator** : Dr. Chitra Ramamurthy  
Dr. Shrinivas M. Joshi,  
Dr. Muralidhar R

## **Panelists:**

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

## **Judges:**

Dr. S.S. Haldipurkar, Dr. K. Naresh Babu, Dr. Parikshit Gogate,  
Dr. Santosh Shankar Bhide, Dr. Naren Shetty, Dr. G. Mahesh, Dr. Rishi Swarup  
Dr. Rama Krishnan R, Dr. Arshad Siddiqui, Dr. Ramesha Kekunnaya,  
Dr. Rajalingam Vairagyam, Dr. Elankumaran Pasupathi

## **Each Presentation: 04 Minutes + 02 Minutes Discussion**

S. No	Speaker	Topic
1	Dr. John Davis Akkara	Pocket Synoptophore - diagnosing stereopsis & binocular anomalies and treatment
2	Dr. Neeraj Israni	SPECU-DRAPE A NOVEL LID SPECULUM WITH AN EYEDRAPE
3	Dr. Shivraj Tagare	NIST: Needle Incision Subtenon's Anaesthesia- Novel method for administering Subtenon's Anaesthesia
4	Dr. Kiranjit Singh	4claw multipurpose multiclave iris claw lens
5	Dr. Anjali Saighal	A novel, biodegradable, safe, personal protective equipment (PPE) made of soap paper and gauze.
6	Dr. Swapnil Kothari	Precision Toric - a new, cost effective, intraoperative, real time toric guidance system



7	Dr. Apurva Nagtode	Innovative Bladeless Pterygium Surgery: A Non-Traumatic Approach!
8	Dr. Kartikey Singh	Haptic cut modified Yamane: A micro innovation for easy homerun.
9	Dr. Parthasarathi Roy	Ant.Capsular Bulging, Flag Cataract, Double Cataract: Three New diagnostic signs for Lens Coloboma
10	Dr. Jitendra Nenumal Jethani	Measuring Peripheral refraction

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**AIOS ARC – THINK UNDER THE APPLE TREE**





## (The FINAL)

Date: 12<sup>th</sup> May 2023 | Time: 14:30 – 16:00 | Hall: Pearl

**Chairman** : Dr. Debasish Bhattacharya  
**Co-Chairman** : Dr. Harbansh Lal  
**Convenor** : Dr. Lahane Tatyarao Pundlikrao  
**Co-Convenor** : Dr. Kumar J. Doctor  
**Moderator** : Dr. Chitra Ramamurthy  
Dr. Shrinivas M. Joshi,  
Dr. Rohit Saxena, Dr. Tamilarasi

### Panelists:

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

### Judges:

Dr. Mahipal S. Sachdev, Dr. Ashok Grover, Dr. D. Ramamurthy, Dr. Rohit Shetty,  
Dr. Mohan Rajan, Dr. Mathew Kurian, Dr. Guruprasad Ayachit, Dr. Gopal Arora  
Dr. Gaurav Luthra, Dr. Jignesh Bhaichand Taswala, Dr. Sri Ganesh,  
Dr. Arup Chakrabarti, Dr. Sayan Basu, Dr. Satyan Parthasarathi

### 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

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