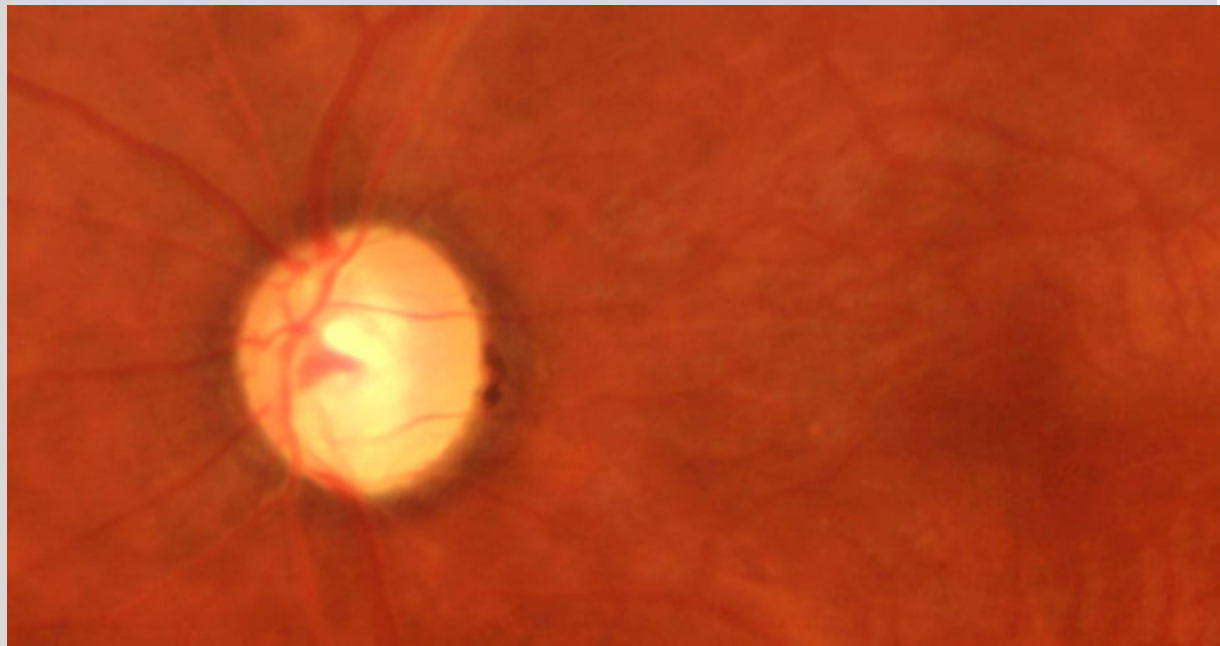




Glaucoma Society of India

GSI Newsletter

Issue No 4; January 2024



<https://www.glaucomasociety.in/>

Team Newsletter



Dr Julie Pegu



Dr Paaraj Dave



Dr Parivadhini A



Dr Shahinur Tayab



Dr Swati Upadhyaya

Editorial



Dear seniors, friends, and colleagues

Greetings from the GSI newsletter editorial team. While compiling the fourth issue of the e-newsletter, I had mixed feelings of joy and sadness. Joy on account of sharing cherished memories of successful conference at Pune. We are sharing some stills from the conference to colour your memories. The free paper briefs along with best paper and poster results are also included in this issue.

The prevailing sadness is by heavenly abode of Professor Ravi Thomas. He was an invited faculty in annual conference of Rajasthan in 2004 at Udaipur, and it was his impactful ways of teaching that drifted me to field of glaucoma. Without doubt, he was an excellent teacher, clinician, and researcher. His departure is a loss to Science. In this issue, he is being remembered by his excellent students, who themselves are shining figures in glaucoma today.

Happy reading, and as always, your suggestions and feedback is awaited

Wishing you all a happy new year!

Yours

Dr Parveen Rewri

Editor

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Disclaimer

The aim of the GSI e-newsletter is to provide a platform for ophthalmologists to interact and learn about glaucoma from experienced specialists and to promote the exchange of ideas, news, views, and updates. Its content does not represent the official opinion of GSI, and all views expressed are those of individual authors.

Remembering Prof. Ravi Thomas

Born on, in Chengannur, Kerala, Dr. Ravi embarked on a remarkable journey that profoundly impacted the field of Ophthalmology.

Dr. Ravi's roots in Ophthalmology were deeply embedded in his family's legacy. Inspired by his parents, Dr. T.M. Thomas and Dr. Rosamma Thomas, both Ophthalmologists, he pursued his medical education at Christian Medical College, Vellore. He belonged to the MBBS batch of 1970. He excelled academically and played in the college hockey team. His passion for learning extended beyond the classroom, as he mastered the harmonica and attained a black belt in karate.



October 12, 1953 to November 12, 2023

Dr. Ravi embarked on his postgraduate studies in Ophthalmology at the All India Institute of Medical Sciences, New Delhi. He further pursued Fellowships in Glaucoma with Prof. Jeff Jay at the Tennent Institute of Ophthalmology in Glasgow and Fellowship in Squint with Prof. Frank Bilson at the University of New South Wales, Sydney.

In 1982, Dr. Ravi Thomas joined the Department of Ophthalmology (Schell Eye Hospital) as a junior lecturer, marking the beginning of an illustrious career at CMC Vellore. He became the Head of Department in September 1989. His contributions to the department were immense, as he played a pivotal role in establishing it as a leading centre for ophthalmic care and education. He had setup systems in place for undergraduate and postgraduate training, which are followed even today. He was also instrumental in developing ophthalmic subspecialties within the department, identifying individuals with different subspecialty interests to take it forward.

Dr. Ravi was a brilliant teacher. His ability to simplify complex concepts and engage students made him a beloved mentor. He knew every undergraduate student by name, and his passion for teaching inspired many students to pursue Ophthalmology as their profession. For his postgraduates, he was a more than a teacher; he was a friend and a pillar of support and many owe their career to him.

Dr. Ravi was an astute clinician and a great surgeon. He was very patient, taking his students through each step of complex microsurgeries by holding their hands (literally too). He was a compassionate doctor, who treated all his patients with utmost care and ethical values, irrespective of their socioeconomic status.

He was a stickler for quality of patient care, whether it related to quality of ophthalmic equipment or operation theatre protocols, he would not compromise on appropriate recognised clinical protocols. He had a great, if puckish, sense of humour and this combined with his outgoing personality endeared him to a wide range of people.

He was a pioneer in the field of glaucoma, conducting epidemiological and clinical research that has led to significant advancements in the management of the disease. His contributions were recognized by the Glaucoma Society of India, which elected him as its President from 1998 to 2000.

In 2002, Dr. Ravi Thomas moved on to LVPEI, Hyderabad, where he served as Director from 2004 to 2007 and later as Professor and Glaucoma Specialist at the Queensland Eye Institute, University of Queensland, Australia. His dedication to excellence and his unwavering commitment to training were evident in all his endeavours. His impact on global

Ophthalmology was enormous. He was the first Indian to be elected to the Board of Governors of the World Glaucoma Association. His active interest in Epidemiology research led to his election as the President of the International Society for Geographical and Epidemiological Ophthalmology.

Dr. Ravi Thomas cared deeply for the less fortunate too. His parents who served in a remote part of Madhya Pradesh inspired him to always look out for the less privileged. While at CMC he used to contribute to the education of children of many of our staff. He often picked up blind beggars from the road and brought them to hospital in his vehicle for treatment. His tough exterior held a very caring person hidden inside.

His passing leaves a profound void in the ophthalmic community, but his legacy will continue to inspire and guide future generations. Though we miss him dearly, Dr. Ravi will continue to live in our memories and through our work. Our sincere and heartfelt condolences and prayers to his dear wife, Mrs. Promila Thomas and his children, Mr. Ariez Thomas and Dr. Aleysha Thomas.

Profoundly remembered by -

Dr. Lekha Mary Abraham (Professor and Head, Department of Ophthalmology, Christian Medical College, Vellore), Dr. Rajul S Parikh (Director, Shreeji Eye Institute & Research Centre, Mumbai), Dr. Thomas George T (Senior consultant, Glaucoma services, Chaithanya Eye Hospital, Trivandrum), Dr Ronnie George (Director, Glaucoma Services, Sankara Nethralaya, Chennai)

Glaucoma society of India

Pays homage to



Professor Ravi Thomas



GLAUCO June 2023

Glimpses



Glaucoma 2023

Glimpses



Glaucoma 2023

Glimpses

Briefing of papers presented in free paper session

1. An evaluation of the performance of chatbots, namely OpenAI's ChatGPT and Google's Bard, in providing accurate and reliable information about glaucoma exhibited a kappa coefficient of 0.6296 and Lin's coefficient of concordance of 0.6352 indicating a moderate agreement. (Dr. Sahil Thakur)
2. Use of a nano-dropper for instillation of commercially available timolol maleate 0.5% eye drops provided comparable IOP reduction and less bradycardia. (Dr. Indira Durai, Arvind Eye Hospital, Madurai)
3. Pattern ERG and Photopic negative response (PhNR) shown to precede RNFL changes and field changes in glaucoma suspect and primary open angle glaucoma patients. (Dr. Subashini Kaliaperumal)
4. Gonioscopy - assisted Transluminal Trabeculotomy (GATT) in eyes with prior failed glaucoma surgery reduced mean IOP by 40%. Transient hyphema was main post-operative complication. (Dr. Srihari Siddhartha P)
5. Glaucoma screening using artificial intelligence (AI) tool on a smartphone fundus camera detected referable glaucoma patients with 92% accuracy. Accuracy was better for advanced followed by moderate and early glaucoma. (Dr. Sirisha Senthil, LV Prasad Eye Institute, Hyderabad)
6. A cross-sectional study found structural parameters of papillo-macular bundle area, superior cp RNFL thickness and inferior mGCC thickness correlated better with bilateral best corrected visual acuity in patients with advanced glaucomatous discs. (Prof. Kirti Singh, Guru Nanak Eye Center, New Delhi)
7. A significant increase in IOP and mean ocular perfusion pressure was seen in immediate post *Kapalbhati pranayama* in healthy as well as eyes with primary open angle glaucoma. (Dr. Mona Khurana, Sankara Nethralya, Chennai)
8. Study correlating peripapillary capillary perfusion parameters showed a positive correlation between vessel density and mean deviation and negative correlation with pattern standard deviation in patients with mild, moderate and severe primary open angle glaucoma. (Dr. Lopamudra Biswal)
9. The CYP1B1 genetic variants are shown to influence the prognosis of childhood glaucoma in a cohort of non-acquired glaucoma. (Dr Ashok Kumar, PGI Chandigarh)
10. A retrospective conclude that phacoemulsification alone was not effective as IOP lowering procedure in patients requiring an IOP reduction greater than 2-4 mmHg. However, a greater mean IOP and number of anti-glaucoma drugs change was observed in patients with PACG than in POAG patients. (Dr. Samiksha Choudhary, Sharoff Charity Eye Hospital, New Delhi)

11. A case control study found that patients of glaucoma were at higher risk of hypertension and diabetes mellitus based on allostatic load score, calculated on basis of 13 variables. (Dr. Kiran G. C, AIIMS, New Delhi)
12. Dynamic blood flow parameters and vessels density parameters on OCT angiography have been shown to improve precision for detecting early glaucoma. (Dr. Saigeetha Bandi)
13. A prospective observational study demonstrated a significant improvement in peripapillary vessel density and ONH perfusion after trabeculectomy in patients of POAG and PACG on OCT angiography. (Dr. Madhavi Ramanatha Pillai)
14. A prospective, randomized study found that both phacoemulsification and phaco-ECP significantly reduced IOP and widened angle parameters combining ECP with phacoemulsification in patients of primary angle closure glaucoma. The IOP reduction was more with Phaco-ECP. (Dr. Dewang Angmo)
15. A retrospective study found carotid occlusive disease was commoner among normal tension glaucoma patients, and speculated its clinical relevance in unexplained progression. (Dr. Nidhi Harkishan Mamtani, Sankara Nethralya, Chennai)
16. A higher lens vault has been shown to associated with higher IOP and angle opening area on multivariate analysis in patients of PACG on swept-OCT. (Dr. Prerna Laxmikant Agrawal, Suraj Eye Institute, Nagpur)
17. The mutational load associated with myocilin gene in juvenile glaucoma patients has been shown to identify family members at increased risk of glaucoma. (Dr. Chitra Sambare)
18. The contralateral, unaffected eye progress to develop glaucoma over 5 years in 30% children with unilateral, primary congenital glaucoma. A larger cornea was found to be strong predictive factor for progression. (Dr. Aayush Majumdar, AIIMS, New Delhi)

Click here to view -
**Full texts of all FPs selected for
oral presentation in GlaucoPune 2023**

GlaucoPune 2023

Free papers

Best videos

1. The iStent Videocassette Pedagogy –An Innovative Guide for MIGS Management This video highlighted the various tips and tricks of iStent (G1 & G2) implantation (Dr. Prasanna Venkatesh Ramesh)
2. Artificial Intelligence (AI) In Glaucoma - The Novel, Self-Built, Cost Effective & Multimodal AI Tool Box: This video, we report the first novel, self-built, cost effective and multimodal artificial intelligence for glaucoma diagnostics (Dr. Prasanna Venkatesh Ramesh)

Best posters

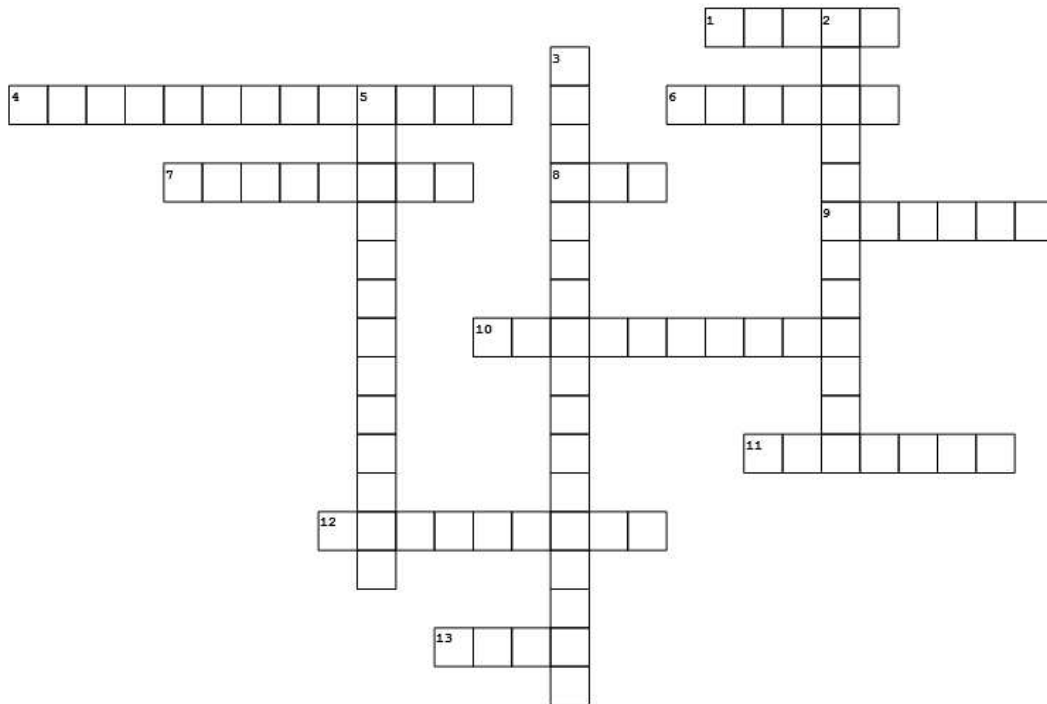
1. Iris cyst in an elderly male on topical bimatoprost
(Dr. Archana Nivash)
2. Sniffing the truth out of a Snuff out
(Dr. Anjana Ramanathan)
3. True exfoliation syndrome: Case series
(Dr. Anjana Ramanathan)
4. Corneal Epithelial defect after micropulse transscleral cyclophotocoagulation
(Dr. Archana S)

***Click here to view -
Award winning full texts/ video GlaucoPune 2023***

GlaucoPune 2023

Videos & posters

Crossword: Memory Lane 2023



Across

1. Organizing chairperson
4. Post of Dr. Roopali Nerlikar
6. Organizing secretary
7. Sarees which are famous in Pune
8. Number of credit points granted by Maharashtra Medical Council
9. Competitor city to Bhopal for GSI annual conference 2025
10. Name of GSI annual conference 2023
11. Performance during the cultural program by the LOC
12. Presenter of "Role of Yoga & Meditation in Glaucoma"
13. First day First session in First hall

Down

2. Venue of GSI annual conference 2023
3. Presenter of "4D Holographic Glaucoma – AI"
5. Recipient of Dr N N Sood Oration

Answers to last crossword:

1. MIGS
2. KATENA
3. TRABECTOME
4. iPRISM
5. SWANJACOB
6. CYPASS
7. GATT
8. iSTENT
9. KDBGLIDE
10. HYDRUS
11. XENGEL

Winners (All correct entries):
 Dr Prasanna Venkatesh Ramesh
 Dr Tanvi Choudhary

Dr Purvi Bhagat is Professor & Head of Glaucoma Services at M & J Western Regional Institute of Ophthalmology B. J. Medical College Ahmedabad, Gujarat. Glaucoma crossroads of this issue of the GSI Newsletter focusses on GlaucoPune. Go Ahead, and use your memory to solve it. Mail your entries to gsinewseditor@gmail.com. The first three all-correct entries will feature in the next issue of the e-newsletter.





33rd Annual Conference of Glaucoma Society of India

27-29 September, 2024

Suganya Convention Centre, Pondicherry

*Save
the
Date*

GlaucoCherry 2024



Pre conference wetlab on 26.09.24 from 2 pm onwards



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President



Prof Manav Deep Singh
Hony. Gen. Secretary



Dr Maneesh Singh
Hony. Treasurer

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