

NAME:: **DR.GOPAL S PILLAI**



POSITION TITLE: **PROFESSOR AND HOD OPHTHALMOLOGY, AMRITA Institute of Medical Sciences**

**EDUCATION/TRAINING**

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Government Medical College, Thrissur, University of Calicut, Kerala, India	MBBS	06/1997	MEDICINE AND SURGERY
Dr RP Centre, All India Institute of Medical Sciences, New Delhi	MD	12/2000	OPHTHALMOLOGY
National Academy of medical Sciences	DNB	2001	OPHTHALMOLOGY
Royal College of Surgeons, Glasgow	FRCS	2003	OPHTHALMOLOGY
All India Institute of Medical Sciences, New Delhi	Fellowship	4/2004	VITREORETINAL SURGERY

**A. Personal Statement**

I got trained in Ophthalmology and Vitreoretinal surgery from the prestigious Dr RP Centre, All India Institute of Medical Sciences, New Delhi, the apex institution of India. Medical Retina, Uveitis, Ocular trauma and Surgical retina apart from ocular tumors and oncology were the areas where we had done work. I was trained by Professor HK Tewari, Prof SP Garg, Prof Rajvardhan Azad, Dr Lalit Verma and Dr Dinesh Talwar, all of whom legends in their fields of clinics and research.

After joining Amrita Institute of Medical Sciences, as an Asst Professor in Vitreo Retinal Services in 2005, over the last 16 years, I have developed our Vitreo Retinal services into one of the top in the country. We have presently dedicated faculty, adequate clinical materials and cases, fellowship positions in retinal surgery for training new retinal surgeons, community care, epidemiological research, AI and Imagology research, health economics, basic biologic research and drug development research apart from clinical trials. Over the last 5 years as head of Ophthalmology, I

have been spearheading the clinical, training, community and research programs of Vitreo Retina and Ophthalmology.

I am the Lead PI for the 10 crore project, GOI DBT BIRAC Clinical Trial network in Ophthalmology which envisage the development of a clinical trial network across India to promote collaborative research between Indian pharma companies and academic institutions. Currently we are connected to 5 centers from across India from Trivandrum, Mumbai, Chitrakoot, Patna and Guwahati.

As a member Scientific committee, I will want to fulfill the needs and wants of each ordinary member of AIOS, bringing knowledge to the end user. I would like to bring the knowledge pearls as short crisp messages to the members daily online so that they can in the comforts of their own houses look up at the newer advances in the field of Ophthalmology at their own leisure times.

## **B. Positions and employment**

1998-2000	Junior Resident, Ophthalmology, RP Centre, AIIMS, New Delhi
2000-2001	Observer Vitreo Vitreo Retinal Surgery unit, RP Centre, AIIMS New Delhi
2001-2004	Senior Resident, Vitreo Retinal Surgery unit, RP Centre, AIIMS, New Delhi
2004-2005	Senior Consultant VitreoRetinal Surgery, Chaithanya Eye Hospital, Trivandrum
2005-2010	Assistant Professor, Ophthalmology and Vitreo Retinal Surgery, AIMS, Kochi
2010-2015	Associate professor, Ophthalmology and Vitreo Retinal Surgery, AIMS, Kochi
2105- current	Professor and HOD, Ophthalmology and Vitreo Retinal Surgery, AIMS, Kochi

## **C. Positions, Scientific Appointments, and Honors**

Member Task Force Optometry Curriculum Development Govt of india

Member General Council, National Institute for empowerment of persons with multiple disabilities (NIEPMD) Chennai under Ministry of Social Justice, GOI.

Reviewer of Ophthalmology, the journal of American Academy of Ophthalmology

Reviewer of Indian journal of Ophthalmology

Hon General Secretary, Kerala Society of Ophthalmic Surgeons

Immediate past secretary, Secretary Cochin ophthalmic Club

Organising secretary, National conference of All India Ophthalmic Society 2023.

Past editor of Kerala journal of Ophthalmology

Past Scientific committee chairman Kerala Society of Ophthalmic Surgeons

Past organizing secretary, DRISHTI, State Conference 2016

Member of AIOS, DOS, VRSI, USI, OTSI, KSOS

Best papers and Videos in DRISHTI, DOS Conferences

### **C. Contributions to Science**

1. **First case reported** on Retinal Arterial Occlusion in dural carotico cavernous fistula
2. Being **Lead PI**, established the **first clinical trial network in Ophthalmology** under the supervision of DBT- BIRAC and CDSA- DBT, GOI
3. **Epidemiologic studies on diabetic retinopathy**- Kochi diabetic retinopathy study completed, waiting for publication, (funded through an intramural grant) Study in three neighbouring districts under way (funded through LIOS Club International), study in tribal districts of Wayanad starting, grant from CSR of Cochin Shipyard
4. Established and standardized **Basic Biology** research labs for cytokines and VEGF estimation in ocular fluids in minimal quantity ( IIT sponsored by Novartis)
5. Established animal diabetic retinopathy based drug discovery and delivery mechanism platforms for retinal research

### **D. Some selected publications**

#### **Vitreoretinal surgery**

Incidence and risk factors for intraocular pressure rise after transconjunctival vitrectomy.

**Pillai GS**, Varkey R, Unnikrishnan UG, Radhakrishnan N. Indian J Ophthalmol. 2020 May;68(5):812-817.

#### **Ocular infections**

Clinical profile and outcome of endogenous endophthalmitis at a quaternary referral centre in south India.

**Pillai GS**, Remadevi KK, Anilkumar V, Radhakrishnan N, Rasheed R, Ravindran GC. Indian J Ophthalmol. 2020 May;68(5):827-833. doi: 10.4103/ijo.IJO\_948\_19.

Intraocular gnathostomiasis: report of a case and review of literature.

**Pillai GS**, Kumar A, Radhakrishnan N, Maniyelil J, Shafi T, Dinesh KR, Karim S. Am J Trop Med Hyg. 2012 Apr;86(4):620-3. doi: 10.4269/ajtmh.2012.11-0719.

Post-operative endophthalmitis due to Fusarium dimerum.

Khan S, **Pillai GS**, Vivek V, Dinesh K, Karim PM. Southeast Asian J Trop Med Public Health. 2012 Nov;43(6):1484-8.

### **Basic Biology Research**

Effect of dexamethasone implant on intraocular cytokines in diabetic macular edema

**Gopal S Pillai**<sup>1</sup>, Akanksha Gupta, Tessy Xavier, Natasha Radhakrishnan<sup>1</sup>, Krishnakumar N Menon, Rehna Rasheed, Greeshma C Ravindran  
Indian J Ophthalmol. 2023 Feb;71(2):363-368. doi: 10.4103/ijo.IJO\_1280\_22.

Significance of monitoring vascular endothelial growth factor, monocyte chemoattractant protein-1 and Interleukin-8 in diabetic macular edema towards early identification of nonresponders to ranibizumab therapy.

Xavier T, Pallikara S, Saji N, Radhakrishnan N, Menon KN, **Pillai GS**. Indian J Ophthalmol. 2021 Jun;69(6):1475-1481. doi: 10.4103/ijo.IJO\_3109\_20.

Substrate Specific Inhibitor Designed against the Immunomodulator GMF-beta Reversed the Experimental Autoimmune Encephalomyelitis.

Vattathara JJ, Prakash O, Subhramanian S, Satheeshkumar MK, Xavier T, Anil M, **Pillai GS**, Anandakuttan A, Radhakrishnan S, Sivanarayanan TB, Akk U, Mohan CG, Menon KN. Sci Rep. 2020 Mar 2;10(1):3790. doi: 10.1038/s41598-020-60710-2.

## Medical Retinal diseases

Effect of intravitreal dexamethasone implant on the contralateral eye in recalcitrant radiation maculopathy.

Gulati SK, **Pillai GS**, Radhakrishnan N. Oman J Ophthalmol. 2019 May-Aug;12(2):129-132. doi: 10.4103/ojo.OJO\_68\_2016.

## Genetic Research

Genotype-phenotype analysis of von Hippel-Lindau syndrome in fifteen Indian families.

Vikkath N, Valiyaveedan S, Nampoothiri S, Radhakrishnan N, **Pillai GS**, Nair V, Pooleri GK, Mathew G, Menon KN, Ariyannur PS, Pillai AB. Fam Cancer. 2015 Dec;14(4):585-94. doi: 10.1007/s10689-015-9806-z.

## Health Economics

Impact of COVID-19 pandemic on income and opportunities of ophthalmologists in India: Ophthalmologists' Workplace Expectations and Satisfaction Survey (OWESS) Report 1.

Edakhlon S, Mohan P, **Pillai GS**, Verma L, Honavar SG, Sharma N, Nadaraj A. Indian J Ophthalmol. 2021 Aug;69(8):2189-2194. doi: 10.4103/ijo.IJO\_1491\_21.

## Systemic disease and Eye

Central retinal artery occlusion in dural carotid cavernous fistula.

**Pillai GS**, Ghose S, Singh N, Garodia VK, Puthassery R, Manjunatha NP. Retina. 2002 Aug;22(4):493-4. doi: 10.1097/00006982-200208000-00015.

Ocular Manifestations of Pediatric Systemic Diseases.

**Pillai GS**, Radhakrishnan N. Indian J Pediatr. 2018 Mar;85(3):217-227. doi: 10.1007/s12098-018-2623-2.

Relationship between diabetic retinopathy and diabetic peripheral neuropathy - Neurodegenerative and microvascular changes

Rehna Rasheed , **Gopal S Pillai** , Harish Kumar , Adish Thayyil Shajan , Natasha Radhakrishnan , Greeshma C Ravindran

Indian J Ophthalmol. 2021 Nov;69(11):3370-3375. doi: 10.4103/ijo.IJO\_1279\_21.

### **Community Ophthalmology**

Uncontrolled Blood Pressure and Associated Factors Among Persons With Diabetes: A Community Based Study From Kerala, India

Aswathy Sreedevi , Vijayakumar Krishnapillai , Vishnu B Menon , Minu Maria Mathew , Rajeesh R Nair , **Gopal S Pillai** , Mathews Numpelil , Jaideep Menon , Vishal Marwaha Front Public

Health. 2022 Feb 3;9:778235. doi: 10.3389/fpubh.2021.778235. eCollection 2021.

### **Research**

Knowledge and perception of health- care professionals on clinical trial in india: A pan–Indian cross – sectional survey

**Pillai GS**, SheebCS, Barman M, SenA, Sundaram N, Dickson M, et, al, Knowledge and perception of health- care professionals on clinical trial in india: A pan–Indian cross – sectional survey. Indian J ophthalmol 2023: