

I am Mariya Doctor. I am currently pursuing my fellowship in Cornea and Anterior segment services at L V Prasad Eye Institute. I have 15 publications so far, 2 in pre-print and 2 under review at present, and 3 others in pipeline. All of my publications are in ophthalmology, with special focus on Cornea and anterior segment, and dry eyes and ocular surface diseases being my key area of interest. I think it is very important to bring forth any new diagnosis, clinical finding, association or treatment outcome for physicians to be aware about, that could further be beneficial for them in treating their patients as well, and providing more for evidenced based research. As of now, I am focussing on clinical research, however, I do have interest in basic sciences as well, and in future, would like to pursue basic science related research for improving patient care. I have participated in around 14 presentations (ranging from e-posters, posters, case and paper presentation) at various state and National level conferences, to present our various clinical research findings, and have won 16 awards which include International Hero Award by All India Ophthalmological Society, V V Ramanna best case award at Telangana ophthalmological society, Prof. Krothapalli Ravindranath LVPEI Research Excellence Award, Travel grant by Malaysia Society of Ophthalmology, various ophthalmological quizzes, to name a few. I have a keen interest in academic and research-oriented work, and this award would give me the recognition and motivation to keep working forward.

Below mentioned are the papers published as a part of my research related to clinical work.

1. Simple oral mucosal epithelial transplantation (SOMET) for ocular surface reconstruction in Stevens-Johnson Syndrome: A case report.

Doctor MB, Rajagopal RN, Basu S. Int J Surg Case Rep. 2023 Aug 9;110:108643. doi: 10.1016/j.ijscr.2023.108643. Epub ahead of print. PMID: 37574632.

2. Lacrimal Gland Insufficiency in Aqueous Deficiency Dry Eye Disease: Recent Advances in Pathogenesis, Diagnosis, and Treatment

Doctor MB, Basu S. Lacrimal Gland Insufficiency in Aqueous Deficiency Dry Eye Disease: Recent Advances in Pathogenesis, Diagnosis, and Treatment. Semin Ophthalmol. 2022 May 19;1-12. doi: 10.1080/08820538.2022.2075706. Epub ahead of print. PMID: 35587465.

3. Aqueous-deficient dry eye disease: Preferred practice pattern guidelines on clinical approach, diagnosis, and management.

Donthineni PR*, Doctor MB*, Shanbhag S, Kate A, Galor A, Djalilian AR, Singh S, Basu S. Indian J Ophthalmol. 2023 Apr;71(4):1332-1347. doi: 10.4103/IJO.IJO_2808_22. PMID: 37026265; PMCID: PMC10276701.

4. Tocilizumab in Recalcitrant Bilateral Scleritis in a Case of Relapsing Polychondritis: A 17-year Follow Up

Doctor M, Murthy SI, Rajasekhar L. Tocilizumab in Recalcitrant Bilateral Scleritis in a Case of Relapsing Polychondritis: A 17-year Follow Up. Ocul Immunol Inflamm. 2022 Jun 13;1-4. doi: 10.1080/09273948.2022.2058555. Epub ahead of print. PMID: 35695904.

5. Management of an unresponsive case of HSV keratouveitis with trabeculectomy and DSAEK: A case report

Doctor MB, Chaudhary S, Senthil S, Basu S. Management of an unresponsive case of HSV keratouveitis with trabeculectomy and DSAEK: A case report. Int J Surg Case Rep. 2022 Sep;98:107505. doi: 10.1016/j.ijscr.2022.107505. Epub 2022 Aug 13. PMID: 35985114; PMCID: PMC9411676.

6. Intralenticular copper foreign body

Doctor MB, C Parameswarappa D, Vaddavalli PK, Rani PK. Intralenticular copper foreign body. *BMJ Case Rep.* 2020 Dec 22;13(12):e240757.

7. Medical management of silicone oil associated acute postoperative ocular inflammation

Doctor MB, Parameswarappa DC, Rani PK. Medical management of silicone oil associated acute postoperative ocular inflammation. *BMJ Case Rep.* 2021 Jul 9;14(7):e242251.

8. Profile of infantile strabismus at a tertiary eye care center in India

Doctor MB, Sachadeva V, Kekunnaya R. Profile of infantile strabismus at a tertiary eye care center in India. *Indian J Ophthalmol.* 2022 Aug;70(8):3056-3060. doi: 10.4103/ijo.IJO_543_22. PMID: 35918972.

9. A rare ophthalmic complication: Expulsive suprachoroidal hemorrhage

Doctor MB, Murthy S. A rare ophthalmic complication: Expulsive suprachoroidal hemorrhage. *Indian J Ophthalmol.* 2022 Aug;70(8):3166. doi: 10.4103/ijo.IJO_1115_22. PMID: 35919012.

10. Drug-induced pemphigoid: Clinical presentation, diagnosis, and management of gliptin-associated cicatrizing conjunctivitis

Kate A, Doctor MB, Basu S. Drug-induced pemphigoid: Clinical presentation, diagnosis, and management of gliptin-associated cicatrizing conjunctivitis. *Ocul Surf.* 2022 Jul 31;26:50-52. doi: 10.1016/j.ijos.2022.07.004. Epub ahead of print. PMID: 35921941.

11. Management of Symblepharon Prior to Keratoprosthesis in Chronic Ocular Burns: A Sequential Approach

Kate A, Doctor MB, Shanbhag SS. Management of Symblepharon Prior to Keratoprosthesis in Chronic Ocular Burns: A Sequential Approach. *Cureus.* 2022 Apr 29;14(4):e24611. doi: 10.7759/cureus.24611. PMID: 35651470; PMCID: PMC9138626.

12. Clinical characteristics of comorbid retinal dystrophies and primary angle closure disease

Parameswarappa DC, Doctor MB, Natarajan R, Rani PK, Garudadri C, Jalali S, Senthil S. Clinical characteristics of comorbid retinal dystrophies and primary angle closure disease. *Int Ophthalmol.* 2022 Oct;42(10):3137-3144. doi: 10.1007/s10792-022-02313-6. Epub 2022 May 18. PMID: 35585370.

13. Clinical and Microbiological Spectra and Therapeutic Outcomes of Polymicrobial Keratitis

Rathi A, Ramazanov K, Murthy SI, Mohamed A, Joseph J, Doctor MB, Pandey S, Rathi VM. Clinical and Microbiological Spectra and Therapeutic Outcomes of Polymicrobial Keratitis. *Cornea.* 2022 Aug 11. doi: 10.1097/ICO.0000000000003107. Epub ahead of print. PMID: 35965400.

14. Retinitis pigmentosa in Usher syndrome in India: Electronic medical records driven big data analytics: Report III

Parameswarappa DC, Das AV, Doctor MB, Natarajan R, Agarwal K, Jalali S. Retinitis pigmentosa in Usher syndrome in India: Electronic medical records driven big data analytics: Report III. *Indian J Ophthalmol.* 2022 Jul;70(7):2540-2545. doi: 10.4103/ijo.IJO_2272_21. PMID: 35791152; PMCID: PMC9426063.

15. Retinitis pigmentosa in Laurence-Moon-Bardet-Biedl syndrome in India: Electronic medical records driven big data analytics: Report II

Parameswarappa DC, Das AV, Thakur PS, Takkar B, Multani PK, Padhy SK, Doctor MB, Agarwal K, Jalali S. Retinitis pigmentosa in Laurence-Moon-Bardet-Biedl syndrome in India: Electronic medical records driven big data analytics: Report II. *Indian J Ophthalmol.* 2022 Jul;70(7):2533-2538. doi: 10.4103/ijo.IJO_2268_21. PMID: 35791150; PMCID: PMC9426086.

Accepted:

16. Corneal opacity due to infantile capillary hemangioma: A rare presentation

Mariya B Doctor, Tarjani Dave, Swathi Kalki, Muralidhar Ramappa. Indian Journal of Ophthalmology

17. Fungal keratitis mimicking sterile infiltrates

Mariya B Doctor, Varsha Rathi, Somasheila Murthy.
Indian Journal of Ophthalmology

Under Review

18. Cocooning of Intraocular lens'': an unusual presentation of rebound inflammation post cataract surgery

Mariya B Doctor, Padmaja Rani, Somasheila Murthy
British Medical Journal case reports

19. Case Report of Giant Macular Holes with anterior and posterior lenticonus in a patient of Alport syndrome

Mariya Doctor¹, Mudit Tyagi²
Case reports in ophthalmology

Current Projects

1. Outcome of Descemet stripping endothelial transplantation in patients with advanced cicatrizing conjunctivitis
2. Anatomical and functional outcomes of Anterior staphylectomy
3. SLC4A4 gene mutation induced corneal dystrophy
4. Outbreak of hospital acquired pseudomonas aeruginosa



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