

Publications - Dr. Renu P Rajan

Peer-Reviewed Journals

1. Kumar K, Baliga G, Babu N, Rajan RP, Kumar G, Mishra C, Chitra R, Ramasamy K. Clinical features and surgical outcomes of complications of proliferative diabetic retinopathy in young adults with type 1 diabetes mellitus versus type 2 diabetes mellitus - A comparative observational study. *Indian J Ophthalmol.* 2021 Nov;69(11):3289-3295.
2. Kannan NB, Chakrabarti A, Sen S, Rajan RP, Kumar K, Baliga G, Ramasamy K. Evaluation of retinal functional changes after macular hole surgery using heavy brilliant blue G dye for internal limiting membrane staining: A prospective, single blind, randomized controlled trial. *Indian J Ophthalmol.* 2021 Oct;69(10):2752-2756.
3. Rajan RP, Deb AK, Lomte S, Privitera CM, Kannan NB, Ramasamy K, Ravindran RD. Quantification of relative afferent pupillary defect by an automated pupillometer and its relationship with visual acuity and dimensions of macular lesions in age-related macular degeneration. *Indian J Ophthalmol.* 2021 Oct;69(10):2746-50.
4. Sen S, Kannan NB, Kumar J, Rajan RP, Kumar K, Baliga G, Reddy H, Upadhyay A, Ramasamy K. Retinal manifestations in patients with SARS-CoV-2 infection and pathogenetic implications: a systematic review. *Int Ophthalmol.* 2021 Aug 11. [Epub]
5. Kumar K, Sen S, Anudeep K, Rajan RP, Kannan NB, Ramasamy K. Anatomical and functional features of photic retinopathy: a spectral domain optical coherence tomography-based longitudinal study. *Graefes Arch Clin Exp Ophthalmol.* 2021 Jul 3. [Epub]
6. Kannan NB, Sen S, Mishra C, Lalitha P, Rameshkumar G, Kumar K, Rajan RP, Ramasamy K. Ten-year trends in the incidence, clinical profile and outcomes of acute-onset endophthalmitis following combined pars plana vitrectomy and sutureless, glueless and flapless scleral fixation of intraocular lenses. *Int Ophthalmol.* 2021 Jan 29. [Epub]
7. Rajan RP, Kannan NB, Sen S, Lavanya C, Jena S, Karthik Kumar, Vijayalakshmi P, Kim R. Clinico-demographic profile and outcomes of 25-gauge vitrectomy in

advanced stage 5 retinopathy of prematurity. *Graefes Arch Clin Exp Ophthalmol.* 2021 Jan 6. [Epub]

8. Sen S, Rajan RP, Damodaran S, Arumugam KK, Kannan NB, Ramasamy K. Real-world outcomes of intravitreal anti-vascular endothelial growth factor monotherapy in proliferative type 2 macular telangiectasia. *Graefes Arch Clin Exp Ophthalmol.* 2020 Nov 17. [Epub]
9. Kannan NB, Sen S, Reddy H, Kumar K, Rajan RP, Ramasamy K. Preoperative COVID-19 testing for elective vitreoretinal surgeries: Experience from a major tertiary care institute in South India. *Indian J Ophthalmol.* 2020 Nov;68(11):2373-2377.
10. Naresh Babu, Piyush Kohli, Karthik Kumar, Renu P. Rajan, Girish Baliga, Sagnik Sen, N. O. Ramachandran, S. Bhavani, Kim Ramasamy. Two-staged surgery as an alternative to buckle–vitrectomy for rhegmatogenous retinal detachment complicated by choroidal detachment. *Int Ophthalmol.* 2020 Aug 28. [Epub]
11. Naresh Babu Kannan, Sagnik Sen, Sourav Damodaran, Meri Debbarma, Renu P. Rajan, Karthik Kumar, and Kim Ramasamy. Sutureless Scleral-Fixated Intraocular Lens Implantation for Refractive Rehabilitation in Eyes with Spherophakia. *J Vit Ret Dis.* 2020 Jul. [Epub]
12. Rajan RP, Sen S, Kannan NB, Ramasamy K. Choroidal metastases as a presenting manifestation of neuroblastoma. *BMJ Case Rep.* 2020;1(7):e235730
13. Mishra C, Kannan NB, Sen S, Singh K, Damodaran S, Kohli P, Kumar K, Rajan RP, Baliga G, Ramasamy K. Clinical presentation and prognostic factors affecting surgical outcomes of secondary macular holes after retinal vein occlusions. *Int Ophthalmol.* 2020 Jun 12. [Epub]
14. Rajan RP, Kohli P, Babu N, Dakshayini C, Tandon M, Ramasamy K. Treatment of retinopathy of prematurity (ROP) outside International Classification of ROP (ICROP) guidelines. *Graefes Arch Clin Exp Ophthalmol.* 2020 Jun;258(6):1205-1210.
15. Kannan NB, Sen S, Mishra C, Lalitha P, Rameshkumar G, Rajan RP, Karthik Kumar A, Kim R. Comparative Study of Microbiological Profile and Management Outcomes of Acute Endophthalmitis after Microincision Vitrectomy Surgery versus Intravitreal Injections. *Ocul Immunol Inflamm.* 2020 Jan 3. [Epub]

16. Gulshan V, Renu P Rajan, Widner K, Wu D, Wubbels P, Rhodes T, Whitehouse K, Coram M, Corrado G, Kim R, Raman R, Peng L, Webster DR. Performance of a Deep-Learning Algorithm vs Manual Grading for Detecting Diabetic Retinopathy in India. *JAMA Ophthalmol*. 2019 Jun 13. [Epub]
17. Renu P Rajan, Amit Kumar D, Naresh Babu K, Kim R. Bilateral optic nerve aplasia with corpus callosum hypogenesis in an otherwise healthy child: Report of a rare case. *Indian J Ophthalmol*. 2019;67:1231-1233.
18. Renu P Rajan, Soumya Jena, Obuli Ramachandran, Piyush Kohli. Rare cause of floaters: A motile live worm in vitreous cavity. *Indian J Ophthalmol*. 2019;67:1490-1492.
19. Renu P Rajan, Udupihille T. Treatment of Retinopathy of Prematurity (ROP). *Community Eye Health*. 2018;31:S10.
20. Manish Tandon, Vishal MY, Piyush Kohli, Renu P Rajan, Kim R. Supplemental Laser for Eyes Treated with Bevacizumab Monotherapy in Severe Retinopathy of Prematurity. *Ophthalmol Retina*. 2018;6:623-628.
21. Naresh Babu K, Adenuga OO, Renu P Rajan, Kim R. Management of Ocular Siderosis: visual outcome and electroretinographic changes. *J Ophthalmol*. 2016:7272465.
22. Umesh CB, Rathinam SR, Lalitha Prajna, Niraj Agrawal, Renu P Rajan. Epiretinal Deposits Post Cataract Extraction. *Retin Cases Brief Reports*. 2013;7:359-361.