



CV: Dr Aditya Kelkar

Dr. Aditya Kelkar is **Medical Director of National Institute of Ophthalmology, (NIO)Pune** which is one of the very few Joint Commission International (JCI) accredited institutes in India. Located in Pune, it is a high volume tertiary eye care centre and is also a post graduate teaching and research institute. The charity wing of the hospital has done more than 15,000 eye surgeries including retinal surgeries free of cost.

A post graduate teacher and guide, he has mentored more than 30 post graduates and fellows. He is also an examiner for retina fellowship examination conducted by Health University of Maharashtra, India. NIO is host to International Council of Ophthalmology fellowship. Seven international fellows from Africa and Europe have been trained so far.

Born in 1975, Dr Aditya Kelkar completed his MBBS from Pune in 1996 and stood first in Ophthalmology. He went on to receive Gold medal from the University of Pune (MS ophthalmology) in 2002 and also from Diplomate of national board (DNB) in 2004

He was awarded the Retina fellowship at **Retina foundation Ahmedabad, India in 2003** and then he went on to receive the International Council of Ophthalmology fellowship **UZ Ghent Belgium in 2004**.

He worked at Queen's medical centre Nottingham, Moorfields Hospital UK as international scholar and then completed FRCS from Glasgow. He is also a recipient of fellowship from the royal college of ophthalmologists, London (FRCOphth). Recently in 2018, he was awarded the fellowship of the American college of surgeons (FACS). He is also a recipient of prestigious Fellowship of the American Society of Retina Specialists 2021 (FASRS)

Dr Aditya Kelkar is special interest in Phacoemulsification, vitreo-retina surgery and laser refractive surgery. He has published more than 40 papers and case reports in peer reviewed; indexed journals. He has been invited to deliver talks at various national and international conferences as a guest speaker and has also been invited to perform live surgeries. Additionally, he has published the Eye Book, in the local language for educating the general population about the common ophthalmic ailments.

Awards and recognitions:

Intraocular Implant and Refractive Society Gold Medal 2017

Best Paper at Asia Pacific Academy of Ophthalmology 2018- Hong Kong

Indian Journal of Ophthalmology Gold award 2018

'RHETT BUCKLER AWARD 2020 by the American Society of Retina specialists for the Best Surgical Video
American Society of Retina specialists Honour Award 2020.

Asia Pacific Academy of Ophthalmology Achievement Award 2021

"BEST OF THE SHOW" -RHETT BUCKLER AWARD 2021 by the American Society of Retina specialists for
the Best Surgical Video

V K Chitnis oration award by Maharashtra Ophthalmic Society 2021

Indian Journal of Ophthalmology Gold award 2022

RHETT BUCKLER award 2022 by the American Society of Retina specialists for the Best Surgical Video-
New York

Image of the Year Finalist American Society of Retina specialists-2023

Positions Held:

Organizing Secretary of the Vitreoretina Society of India annual conference in 2013

President of Pune Ophthalmic Society {local Ophthalmology society} in 2016

Chairman Organising committee Maharashtra state Ophthalmic society conference 2016

Hobbies: Sports and Fitness – Was national champion in traditional Indian sport called Mallakhamb and
in addition ,he is a marathoner and has the completed four full marathons including one world major
marathon- Chicago in 2019

Wild life Photography- Asia Pacific Academy Cataract and refractive Surgery(APACRS)- Runners up
Photography section-2023

LIST OF PUBLICATIONS

1. Kelkar JA, Kelkar AS, Bolisetty M. Initial experience with three-dimensional heads-up display
system for cataract surgery–A comparative study. Indian Journal of Ophthalmology. 2021 Sep
1;69(9):2304-9.

2. Kelkar A, Kelkar JA, Bolisetty M, Kanoriya A. Management of Recurrent Optic Disc Pit-Associated Maculopathy with Human Amniotic Membrane Graft in a Pediatric Case: A Case Report. *Case Reports in Ophthalmology*. 2021;12:734-9.
3. Kelkar AS, Kelkar J, Bolisetty M, Kelkar SB. Visual outcomes, safety profile and morphometric response of optical coherence tomography biomarkers to ranibizumab biosimilar treatment in neovascular age-related macular degeneration: Real-world evidence. *Indian Journal of Ophthalmology*. 2021 Jun 1;69(6):1469-74.
4. Narayanan R, Kelkar A, Abbas Z, Goel N, Soman M, Naik N, Sudhalkar A, Walinjkar J, Shah U, Maksane N. Sub-optimal gain in vision in retinal vein occlusion due to under-treatment in the real world: results from an open-label prospective study of Intravitreal Ranibizumab. *BMC ophthalmology*. 2020 Dec;21(1):1-9.
5. Kelkar A, Webers C, Shetty R, Kelkar J, Labhsetwar N, Pandit A, Malode M, Tidke S. Factors affecting compliance to intravitreal anti-vascular endothelial growth factor therapy in Indian patients with retinal vein occlusion, age-related macular degeneration, and diabetic macular edema. *Indian Journal of Ophthalmology*. 2020 Oct;68(10):2143.
6. Kelkar AS, Kelkar JA, Kothari AA, Kelkar SB. Comparison of flanged intrascleral intraocular lens fixation versus iris claw intraocular lens fixation: A retrospective study. *Indian journal of ophthalmology*. 2019 Nov;67(11):1838.
7. Kelkar J, Kelkar A, Chougule Y. Management of pseudophakic bullous keratopathy with ultrathin Descemet stripping automated endothelial keratoplasty and modified Yamanes' technique of scleral fixation. *Indian journal of ophthalmology*. 2020 Jan;68(1):185.
8. Kelkar J, Kelkar A, Pandit A, Kelkar S. A prospective comparative study on endothelial cell loss and morphology after femtolasar-assisted cataract surgery and phacoemulsification. *International ophthalmology*. 2020 May;40(5):1299-305.
9. Prospective comparative study on endothelial cell loss and morphology after femtolasar- assisted cataract surgery and phacoemulsification. *IntOphthalmol*. 2020;40(5):1299-1305. Doi:10.1007/s10792-020-01297-5.
Prolonged ozurdex – macular contact following vitrectomy for macular hole- Aditya S Kelkar, Jai A Kelkar, Aanchal A Agarwal, Hetal M Mehta, Shreekant B Kelkar.2019 Dec 5. doi: 10.1097/ICB.0000000000000951.

10. Simplified Updates on the Pathophysiology and Recent Developments in the Treatment of Amblyopia- Santhan K S Gopal, Jai Kelkar, Aditya Kelkar, Abhishek Pandit. 2019 Sep;67(9):1392-1399. doi: 10.4103/ijo.IJO_11_19.
11. Precision Pulse Capsulotomy in Phacoemulsification: Clinical experience In Indian eyes- Kelkar J, Mehta H, Kelkar A, Agarwal A, Kothari A, Kelkar S. Accepted for publication in May 2018.
12. Cataract Surgery in Diabetes mellitus – A Systematic Review- Kelkar A, Kelkar J, Mehta H, Amoaku W.. Accepted for publication in May 2018.
13. Ophthalmic Surgery, Lasers and Imaging Retina Comparison of two modified sutureless techniques of scleral fixation of intraocular lens- Kelkar A, Kelkar J, Kothari A, Mehta H, Chitale S, Fogla R, Kelkar S. Accepted for publication in March 2018.
14. Antibiotic prophylaxis practice patterns for cataract surgery in India. Indian J Ophthalmol. 2017 Dec;65(12):1470 - 74.
15. Sutureless 27gauge Needle Assisted Transconjunctival Intrascleral Intraocular Lens Fixation – Initial Experience. Indian J Ophthalmol. 2017 Dec;65(12):1450 - 53.
16. Kelkar J, Kelkar A, Sharma S, Dewani J. [A mobile team for screening of retinopathy of prematurity in India: Cost - effectiveness, outcomes, and impact assessment.](#) Taiwan J Ophthalmol. 2017 Jul-Sep;7(3):155-159
17. Kelkar A, Kelkar J, Chitale S, Shah R. [Authors' reply.](#) Indian J Ophthalmol. 2017 Apr;65(4):328.
18. Kelkar J, Agashe S, Kelkar A, Khandekar R. [Mobile unit for retinopathy of prematurity screening and management at urban Neonatal Intensive Care Units: Outcomes and impact assessment.](#) Oman J Ophthalmol. 2017 Jan-Apr;10(1):13-16.
19. Kelkar A, Shah R, Vasavda V, Kelkar J, Kelkar S. [Primary iris claw IOL retrofixation with intravitreal triamcinolone acetonide in cases of inadequate capsular support.](#) Int Ophthalmol. 2017 Feb 9.
20. Kelkar AS, Kelkar JA, Barve PM, Mulay A, Sharma S, Amoaku W. [Post-clear corneal phacoemulsification endophthalmitis: profile and management outcomes at a tertiary eye care center in western India.](#) J Ophthalmic Inflamm Infect. 2016 Dec;6(1):48.

21. Kelkar AS, Arora ER, Sowkath B, Biswas J. Uveitis: Classification, Etiologies and Clinical Signs. The Official Scientific Journal of Delhi Ophthalmological Society. 2016 Mar 10;26(4):264-71
22. Kelkar A, Kelkar J, Chitale S, Shah R, Jain A, Kelkar S. [To assess surgical outcomes of combined femtosecond laser-assisted cataract surgery with 25-gauge vitrectomy surgery at a tertiary eye care center.](#) Indian J Ophthalmol. 2016 Aug;64(8):584-8.
23. Kelkar AS, Lisa M, Mulay A, Datar S. Corneoscleral patch graft combined with vitrectomy and intravitreal antibiotics for the management of Morganellamorganii endophthalmitis. JCRS Online Case Reports. 2016 Jan 31;4(1):5-7.

24. Kelkar J, Kanade A, Agashe S, Kelkar A, Khandekar R. [Outcomes of Asymmetric Primary Inferior Oblique Muscle Overaction Managed by Bilateral Myectomy and Tucking of Proximal Muscle End: A Cohort Study.](#) Middle East Afr J Ophthalmol. 2015 Oct-Dec;22(4):457-61.

25. Kelkar JA, Gopal S, Shah RB, Kelkar AS. [Intermittent exotropia: Surgical treatment strategies.](#) Indian J Ophthalmol. 2015 Jul;63(7):566-9.
26. Bhandari V, Prasanna J, Bendale P, Kelkar A, Doraisamy A, Shylaja (2015) Necrotising Scleritis Post Trans-Scleral Diode Cyclophotocoagulation-A Novel Approach. J ClinExp Ophthalmol.;6(412):2
27. Kelkar A, Shah R, Kelkar J, Kelkar S, Arora E. [Sutureless, Glueless, Scleral Fixation of Single-Piece and Toric Intraocular Lens: A Novel Technique.](#) Case Rep Ophthalmol. 2015 Jul 21;6(2):239-45.
28. [Datar S, Kelkar A, Jain AK, Kelkar J, Kelkar S, Gandhi P, Shah R, Kedia R.](#) Repeat Descemetopy after Descemet's Membrane Detachment following Phacoemulsification. [Case Rep Ophthalmol.](#) 2014 Jul 11;5(2):203-6.
29. Kelkar [A, Gandhi P, Amoaku W,](#) Kelkar [J,](#) Kelkar [S,](#) Raut [P,](#) Shah [R.](#) Hemorrhagic macular infarction after intravitreal bevacizumab for chronic multifocal central serous chorioretinopathy. [Case Rep Ophthalmol.](#) 2014 Jul 11;5(2):207-11.
30. [Kelkar A, Shah R, Kelkar J, Kelkar S, Bhirud S, Gandhi P.](#) Changes in the retinal vascular network morphology (diameter and tortuosity) after administration of intravitreal bevacizumab in a patient with ischaemic branch retinal vein occlusion. [Case Rep Ophthalmol.](#) 2014 Dec 4;5(3):411-5. **Adelman RA, Parnes AJ, Sipperley JO, Ducournau D; European Vitreo-Retinal Society (EVRS) Retinal Detachment Study Group. Strategy for the management of complex**

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Ophthalmology. 2013 Sep;120(9):1809-13.

31. Adelman RA, Parnes AJ, Ducournau D; European Vitreo-Retinal Society (EVRS) Retinal Detachment Study Group. Strategy for the management of uncomplicated retinal detachments: the European vitreo-retinal society retinal detachment study report 1. *Ophthalmology*. 2013 Sep;120(9):1804-8.
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33. Kelkar AS, Bhanushali DR, Kelkar JA, Shah RB, Kelkar SB. Spontaneous Closure of a Full-Thickness Stage 2 Idiopathic Macular Hole without Posterior Vitreous Detachment. *Case Rep Ophthalmol*. 2013 Sep-Dec; 4(3): 188–191.
34. Kelkar AS, Kelkar JA, Bhanushali DR, Kelkar SB. Surgical management of optic disc pit maculopathy with outer retinal hole. *Case Rep Ophthalmol*. 2012 May;3(2):185-9.
35. Kelkar A, Kelkar J, Kelkar S, Bhirud S, Biswas J. Cytomegalovirus retinitis in a seronegative patient with systemic lupus erythematosus on immunosuppressive therapy. *J Ophthalmic Inflamm Infect*. 2011 Sep;1(3):129-32.
36. Kelkar AS, Kelkar JA, Kelkar SB, Shaikh AI. Late posterior subluxation of rollable intraocular lens after an uneventful microphacoemulsification cataract surgery. *Indian J Ophthalmol*. 2010 Jul-Aug;58(4):350-1.
37. Kelkar AS, Sayyad MG, Kelkar JA, Kelkar SB, Narvankar R, Shaikh A. Comparison of single injection of intravitreal triamcinolone versus single injection of intravitreal bevacizumab in macular edema secondary to branch retinal vein occlusions with regard to changes in best corrected visual acuity and central macular thickness in the short term. *Indian J Ophthalmol*. 2009 May-Jun;57(3):243-4.
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39. Kelkar AS, Kelkar SB, Kelkar JA, Karve SJ. Anterior luxation of rollable intraocular lens. Indian J Ophthalmol. 2007 Jan-Feb;55(1):82-3.
40. Kelkar AS The use of intravitreal bevacizumab in neovascular glaucoma: a case report. Bull. Soc. belgeOphtalmol. 2007;303:41-3.
41. Mori R, Kelkar A, De Laey JJ. Photodynamic therapy with verteporfin in Belgian patients with subfoveal choroidal neovascularization secondary to age-related macular degeneration. Bull SocBelgeOphtalmol. 2006;(299):57-64.