



Curriculum Vitae
Dr Hadi Ostadi Moghaddam

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Academic Rank: Professor in optometry
Director, Refractive Errors Research Center
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Education

Post Doc in Optometry (1993) University of Wales (**UK**)
Ph.D in Optometry (1993) University of Wales (**UK**)
MSc in Optometry (1987) University of Bradford (**England**)
BSc in Optometry (1978) **Iran**

Current Research

Ocular growth and myopia laboratory
Development of Ophthalmic test types
The prevalence of refractive errors
The prevalence of amblyopia

Teaching Duties

Genesis and development of refractive errors
Mechanism and clinical assessment of accommodation
Physiology of the Eye .
Analysis of clinical observation
Optometry 1, 2 , 3

Areas of research Expertise

The development of refractive errors, particularly Myopia This includes biochemical and molecular studies pathophysiology of high myopia, the neuropharmacological control myopia .

English Publications

h-Index= 24

1. Yekta A, Hashemi H, Ostadimoghaddam H, Hadizadeh M, Rafati Sh, Doostdar A, Nabovati P, Sadoughi M, Khabazkhoob M. Anterior and posterior corneal higher- order aberrations in early diagnosis and grading of keratoconus. Clin Exp Optom. 2023 Apr; 106(3):263-270

2. Shokrollahzadeh F, Hashemi H, Yekta A, Ostadimoghaddam H, Jafarzadehpour E, Khabazkhoob M. Corneal-compensated intraocular pressure, Goldmann-correlated intraocular pressure and their associated factors in the geriatric population, a population-based study. *International Ophthalmology*. 2022 Jan 3;1-8.
3. Siyahkamari M, Asharlous A, Mirzajani A, Koohian H, Jafarzadehpour E, Ostadimoghaddam H, Babaei N, Yekta A, Khabazkhoob M. Effect of Dry Eye Disease on Central Corneal Thickness and Corneal Topometric Indices Measured by Scheimpflug Tomography. *Acta Medica Iranica*. 2022 Dec 1;60(12).
4. Hashemi H, Pakzad R, Asharlous A, Yekta A, Sadoughi MM, Ostadimoghaddam H, Khabazkhoob M. Prevalence of Meibomian Gland Dysfunction and Its Determinants in a Deprived Rural Population of Iran: A Population-Based Cross-Sectional Study. *Acta Medica Iranica*. 2022;688-94.
5. Yekta A, Hooshmand E, Saatchi M, Ostadimoghaddam H, Asharlous A, Taheri A, Khabazkhoob M. Global prevalence and causes of visual impairment and blindness in children: A systematic review and meta-analysis. *Journal of Current Ophthalmology*. 2022 Jan;34(1):1.
6. Yekta A, Hashemi H, Ostadimoghaddam H, Hadizadeh M, Rafati S, Doostdar A, Nabovati P, Sadoughi MM, Khabazkhoob M. Anterior and posterior corneal higher-order aberrations in early diagnosis and grading of keratoconus. *Clinical and Experimental Optometry*. 2022 Feb 3;1-8.
7. Hashemi H, Rezvan F, Pakzad R, Ansaripour A, Heydarian S, Yekta A, Ostadimoghaddam H, Pakbin M, Khabazkhoob M. Global and regional prevalence of diabetic retinopathy; A comprehensive systematic review and meta-analysis. *In Seminars in Ophthalmology* 2022 Apr 3 (Vol. 37, No. 3, pp. 291-306). Taylor & Francis.
8. Ghobadi M, Nabovati P, Hashemi H, Talaei A, Fathi HR, Yekta Y, Ostadimoghaddam H, Yekta A, Khabazkhoob M. Accommodative and convergence anomalies in patients with opioid use disorder. *Clinical and Experimental Optometry*. 2022 May 19;105(4):392-7.
9. Hashemi H, Nabovati P, Yekta AA, Agha Mirsalim M, Rafati S, Ostadimoghaddam H, Khabazkhoob M. Binocular vision disorders in a geriatric population. *Clinical and Experimental Optometry*. 2022 Jul 4;105(5):539-45.
10. Asharlous A, Hashemi H, Yekta A, Aghamirsalim M, Ostadimoghaddam H, Gharaee H, Sardari S, Khabazkhoob M. Topographic properties of the cornea in welders. *European Journal of Ophthalmology*. 2022 Jan;32(1):165-9.
11. Birjandi F, Ostadimoghaddam H, Yekta A, Mahjoob M. Initial power of rigid gas permeable contact lenses in patients with keratoconus. *Journal of Current Ophthalmology*. 2021 Oct;33(4):413.
12. Hashemi H, Pakzad R, Yekta A, Aghamirsalim M, Ostadimoghaddam H, Khabazkhoob M. Investigation of Economic Inequality in Eye Care Services Utilization and Its Determinants in Rural Regions Using the Oaxaca-Blinder Decomposition Approach. *Semin Ophthalmol*. 2021 Aug 18;36(5-6):373-378. doi: 10.1080/08820538.2021.1890782. Epub 2021 Feb 21. PMID: 33615980.
13. Hashemi H, Rezvan F, Pakzad R, Ansaripour A, Heydarian S, Yekta A, Ostadimoghaddam H, Pakbin M, Khabazkhoob M. Global and Regional Prevalence of Diabetic Retinopathy; A Comprehensive Systematic Review and Meta-analysis. *Semin Ophthalmol*. 2021 Aug 17;1-16. doi: 10.1080/08820538.2021.1962920. Epub ahead of print. PMID: 34402390.
14. Mirzaeian M, Hashemi H, Narooie-Noori F, Nabovati P, Yekta A, Sardari S, Ostadimoghaddam H, Doostdar A, Khabazkhoob M. Evaluation of the presence of a central fusion lock effect on fixation disparity curve parameters in symptomatic and asymptomatic subjects. *Clin Exp Optom*. 2021 Jul;104(5):617-624. doi: 10.1080/08164622.2021.1878844. Epub 2021 Mar 22. PMID: 33751916.
15. Hashemi H, Nabovati P, Khabazkhoob M, Yekta A, Ostadimoghaddam H, Doostdar A, Ramin S, Aghamirsalim M. The Prevalence of Fusional Vergence Dysfunction in

- a Population in Iran. *J Curr Ophthalmol*. 2021 Jul 5;33(2):112-117. doi: 10.4103/JOCO.JOCO_61_20. PMID: 34409219; PMCID: PMC8365572.
16. Berjandy F, Nabovati P, Hashemi H, Yekta A, Ostadimoghaddam H, Sardari S, Khabazkhoob M. Predicting initial base curve of the rigid contact lenses according to Javal keratometry findings in patients with keratoconus. *Cont Lens Anterior Eye*. 2021 Jun;44(3):101340. doi: 10.1016/j.clae.2020.05.009. Epub 2020 Jun 1. PMID: 32499136.
 17. Hashemi H, Mirzaeian M, Narooie F, Nabovati P, Yekta A, Ostadimoghaddam H, Sardari S, Khabazkhoob M. Agreement of Fixation Disparity Curve between Two Different Instruments. *Optom Vis Sci*. 2021 Jun 1;98(6):629-635. doi: 10.1097/OPX.0000000000001708. PMID: 34081653.
 18. Hashemi H, Nabovati P, Yekta A, Aghamirsalim M, Rafati S, Ostadimoghaddam H, Razmjoo H, Khabazkhoob M. Convergence Insufficiency in the Geriatric Population. *Optom Vis Sci*. 2021 Jun 1;98(6):613-619. doi: 10.1097/OPX.0000000000001709. PMID: 34081652.
 19. Ghobadi M, Nabovati P, Hashemi H, Talaei A, Fathi HR, Yekta Y, Ostadimoghaddam H, Yekta A, Khabazkhoob M. Accommodative and convergence anomalies in patients with opioid use disorder. *Clin Exp Optom*. 2021 Jun 24:1-6. doi: 10.1080/08164622.2021.1932431. Epub ahead of print. PMID: 34167446.
 20. Hashemi H, Nabovati P, Yekta AA, Agha Mirsalim M, Rafati S, Ostadimoghaddam H, Khabazkhoob M. Binocular vision disorders in a geriatric population. *Clin Exp Optom*. 2021 May 20:1-7. doi: 10.1080/08164622.2021.1922065. Epub ahead of print. PMID: 34016028.
 21. Hashemi H, Nabovati P, Pakzad R, Yekta A, Aghamirsalim M, Sardari S, Rafati S, Ostadimoghaddam H, Khabazkhoob M. Prevalence of amblyopia and its determinants in a rural population: a population-based cross-sectional study. *Strabismus*. 2021 Jan 16:1-9.
 22. Heydarian S, Sardari S, Heidari Z, Yekta AA, Ostadimoghaddam H, Khabazkhoob M. Corneal and Ocular Residual Astigmatism in School-Age Children. *Journal of Current Ophthalmology* 2020;32:355-360
 23. Hashemi H, Pakzad R, Heydarian S, Yekta AA, Ostadimoghaddam H, Mortazavi M, Ramin Sh, Khabazkhoob M. Keratoconus Indices and their Determinants in Healthy Eyes of a Rural Population. *Journal of Current Ophthalmology* 2020;32:342-348
 24. Hashemi H, Heydarian S, Yekta AA, Aghamirsalim MR, Ahmadi-Pishkuhi M, Valadkhan M, Ostadimoghaddam H, Ahmadzadeh Amiri A, Khabazkhoob M. Reply to: Agreement analysis; letter to the editor. *Journal of Optometry* 2020;13:197
 25. Hashemi H, Yekta AA, Heydarian S, Ostadimoghaddam H, Aghamirsalim MR, Derakhshan A, Khabazkhoob M. Heritability of pachymetric indices using Pentacam Scheimflug imaging. *British Journal of Ophthalmology* 2020;104:985-988
 26. Heydarian S, Hashemi H, Jafarzadehpour E, Ostadi A, Yekta AA, Aghamirsalim MR, Dadbin N, Ostadimoghaddam H, Khoshhal F, Khabazkhoob M. Non-surgical Management options of intermittent exotropia: A literature review. *Journal of Current Ophthalmology* 2020;32(3):217-225.
 27. Hashemi H, Pakzad R, Nabovati P, Azad Shahraki F, Ostadimoghaddam H, Aghamirsalim MR, Khabazkhoob M, Yekta AA. The prevalence of tropia, phoria and their types in a student population in Iran. *Strabismus* 2020;28(1):35-41
 28. Khoshhal F, Hashemi H, Hooshmand E, et al. The prevalence of refractive errors in the Middle East: a systematic review and meta-analysis. *Int Ophthalmol*. 2020;40(6):1571-1586.

29. Hashemi H, Molaei L, Yekta A, et al. The Prevalence of Ptosis and Nystagmus in Rural Population. *J Curr Ophthalmol*. 2020;32(2):178-182. Published 2020 Apr 30.
30. Yekta A, Hashemi H, Pakzad R, et al. Economic Inequality in Unmet Refractive Error Need in Deprived Rural Population of Iran. *J Curr Ophthalmol*. 2020;32(2):189-194. Published 2020 Apr 30.
31. Hashemi H, Pakzad R, Nabovati P, et al. The prevalence of tropia, phoria and their types in a stude Hashemi H, Yekta A, Yazdani N, Ostadimoghaddam H, Khabazkhoob M. Comparison of Anterior Chamber Depth between Normal and Keratoconic Eyes: A Systematic Review and Meta-Analysis. *J Curr Ophthalmol*. 2020;32(1):94-98. Published 2020 Mar 23.
32. Berjandy F, Nabovati P, Hashemi H, et al. Predicting initial base curve of the rigid contact lenses according to Javal keratometry findings in patients with keratoconus [published online ahead of print, 2020 Jun 1]. *Cont Lens Anterior Eye*. 2020;S1367-0484(20)30110-7.
33. Hashemi H, Pakzad R, Ali B, et al. Prevalence of Refractive Errors in Iranian University Students in Kazerun. *J Curr Ophthalmol*. 2020;32(1):75-81. Published 2020 Mar 23.
34. Hashemi H, Heydarian S, Yekta AA, et al. Reply to: "Agreement analysis" [published online ahead of print, 2020 Jun 2]. *J Optom*. 2020;S1888-4296(20)30050-9.
35. Hashemi H, Heydarian S, Ali Yekta A, et al. Agreement between Pentacam and handheld Auto-Refractor/Keratometer for keratometry measurement. *J Optom*. 2019;12(4):232-239.
36. Hassan H, Saatchi M, Yekta AA, Ali B, , Ostadimoghaddam H, Nabovati P, Aghamirsalim M, Khabazkhoob M. High Prevalence of Asthenopia among a Population of University Students. *J Ophthalmology Vis Res* 2019;14:474-482.
37. Hashemi H, Pakzad R, Yekta A, et al. Distribution of iris color and its association with ocular diseases in a rural population of Iran. *J Curr Ophthalmol*. 2018;31(3):312-318. Published 2018 May 24.
38. Hashemi H, Pakzad R, Yekta AA , Hasani J, Asharlous A, Ostadimoghaddam H , Khoshhal F, Khabazkhoob M, Shariati R. Iris Color Distribution and Its Relation with Refractive Errors, Amblyopia, and Strabismus in Children. *J Compr Ped*. 2019;10:e66099. *J Ophthalmic Vis Res* 2019; 14:306–314
39. Hashemi H, Pakzad R, Yekta AA, Asharlous A, Aghamirsalim M, Ostadimoghaddam H, Valadkhan M, Khabazkhoob M. The distribution of near point of convergence in an Iranian rural population. A population-based cross-sectional study. *Saudi Journal of Ophthalmology* 2019;33
40. Hashemi H, Khabazkhoob M, Nabovati P, et al. Accommodative insufficiency in a student population in Iran. *J Optom*. 2019;12(3):161-167.
41. Yekta R, Hashemi H, Pakzad R, Jafari A, Yekta AA, Heravian J, Ostadimoghaddam H, Valadkhan M, Khabazkhoob M. Visual impairment and some of ocular problem in nursing home residents. *British Journal Visual Impairment* 2019;37:194-204
42. Heydarian S, Hashemi H, Yekta AA, Ostadimoghaddam H, Derakhshan A, Aghamirsalim M, Khabazkhoob M. Heritability of Corneal Curvature and Pentacam Topometric Indices: A Population-Based Study. *Eye and Contact Lens* 2019;45:365-371
43. Aghamirsalim M, Asharlous A, Hashemi H, et al. The ocular surface status in individuals having long-term exposure to ionizing X-radiations. *Cont Lens Anterior Eye*. 2019;42(3):278-282.
44. Hashemi H, Khabazkhoob M, Pakzad R, et al. The prevalence of color vision deficiency in the northeast of Iran. *J Curr Ophthalmol*. 2017;31(1):80-85. Published 2017 Jun 9.
45. Hashemi H, Yekta A, Heydarian S, et al. Heritability of pachymetric indices using Pentacam Scheimflug imaging. *Br J Ophthalmol*. 2020;104(7):985-988.
46. Momeni-Moghaddam H, Hashemi H, Zarei-Ghanavati S, Ostadimoghaddam H, Yekta AA, Khabazkhoob M. Four-year change in ocular biometric components and refraction in schoolchildren: A cohort study. *Journal of Current Ophthalmology* 2019; 31:206-213.

47. Hashemi H, Asharlous A, Yekta A, et al. Enantiomorphism and rule similarity in the astigmatism axes of fellow eyes: A population-based study. *J Optom.* 2019;12(1):44-54.
48. Hashemi H, Yekta A, Khodamoradi F, et al. Anterior chamber indices in a population-based study using the Pentacam. *Int Ophthalmol.* 2019;39(9):2033-2040.
49. Hashemi H, Pakbin M, Ali B, et al. Near Points of Convergence and Accommodation in a Population of University Students in Iran. *J Ophthalmic Vis Res.* 2019;14(3):306-314. Published 2019 Jul 18.
50. Hashemi H, Asharlous A, Yekta A, Ostadimoghaddam H, Mohebi M, Aghamirsalim M, Khabazkhoob M. Enantiomorphism and rule similarity in the astigmatism axes of fellow eyes: A population-based study. *Journal of optometry.* 2019 Jan 1;12(1):44-54.
51. Hashemi H, Khabazkhoob M, Pakzad R, Bakhshi S, Ostadimoghaddam H, Asaharlous A, Yekta R, Aghamirsalim M, Yekta A. Pentacam Accuracy in Discriminating Keratoconus From Normal Corneas: A Diagnostic Evaluation Study. *Eye & contact lens.* 2019 Jan 1;45(1):46-50.
52. Hashemi H, Pakzad R, Yekta A, Asharlous A, Aghamirsalim M, Ostadimoghaddam H, Valadkhan M, Khabazkhoob M. The distribution of near point of convergence in an Iranian rural population: A population-based cross-sectional study. *Saudi Journal of Ophthalmology.* 2019 May 4.
53. Hashemi H, Asharlous A, Yekta A, Ostadimoghaddam H, Mohebi M, Aghamirsalim M, Khabazkhoob M. Enantiomorphism and rule similarity in the astigmatism axes of fellow eyes: A population-based study. *Journal of optometry.* 2019 Jan 1;12(1):44-54.
54. Hashemi H, Yekta A, Yazdani N, Ostadimoghaddam H, Khabazkhoob M. Comparison of anterior chamber depth between normal and keratoconic eyes: A systematic review and meta-analysis. *Journal of Current Ophthalmology.* 2019 Feb 13.
55. Hashemi H, Khabazkhoob M, Pakzad R, et al. Pentacam Accuracy in Discriminating Keratoconus From Normal Corneas: A Diagnostic Evaluation Study. *Eye Contact Lens.* 2019;45(1):46-50.
56. sedaghat MR¹, Askarizadeh F², Narooie-Noori F³, Rakhshandadi T³, Ostadi-Moghadam H², Rajabi S.
Comparative evaluation of tomographic and biometric characteristics in bilateral keratoconus patients with unilateral corneal Vogt's striae: a contralateral eye study. *c lin Ophthalmol.* 2018 Aug 7;12:1383-1390.
57. Hashemi H, Yekta AA, Heydarian S, Ostadimoghaddam H, Aghamirsalim M, Derakhshan A, Khabazkhoob M. Heritability of Anterior Chamber Indices in Rural Population. *J Glaucoma.* 2018;27(12):1165-1168.
58. Hashemi H, Khabazkhoob M, Pakzad R, Yekta A, Heravian J, Nabovati P, Ostadimoghaddam H. The prevalence of color vision deficiency in northeast of Iran. *Journal of current ophthalmology.* 2017 Jun 9.
59. Asharlous A, Hashemi H, Yekta A, Ostadimoghaddam H, Gharaee H, Khabazkhoob M. Tear film secretion and stability in welders. *Contact Lens and Anterior Eye.* 2018 Oct 1;41(5):426-9.
60. Aghamirsalim M, Asharlous A, Hashemi H, Yekta A, Rakhshan A, Ostadimoghaddam H, Gharaee H, Khabazkhoob M. The ocular surface status in individuals having long-term exposure to ionizing X-radiations. *Contact Lens and Anterior Eye.* 2019 Feb 27.
61. Hashemi H, Khabazkhoob M, Nabovati P, Shahraki FA, Ostadimoghaddam H, Faghihi M, Aghamirsalim M, Doostdar A, Yekta A. Accommodative insufficiency in a student population in Iran. *Journal of optometry.* 2018 May 22.
62. Ostadi-moghaddam H, Sedaghat MR, Rakhshandadi T, Rajabi S, Narooie-Noori F, Askarizadeh F. A contralateral eye study comparing characteristics of corneal endothelial cells in bilateral keratoconus patients with unilateral corneal Vogt's striae. *Journal of current ophthalmology.* 2018 Sep 1;30(3):228-33.
63. Heydarian S, Hashemi H, Shokrollahzadeh F, Yekta AA, Ostadimoghaddam H, Derakhshan A, Khabazkhoob M. The normal distribution of corneal eccentricity and its determinants in two rural areas of north and south of Iran. *Journal of current ophthalmology.* 2018 Jun 1;30(2):147-51.
64. Hashemi H, Heydarian S, Yekta A, Ostadimoghaddam H, Aghamirsalim M, Derakhshan A, Khabazkhoob M. High prevalence and familial aggregation of keratoconus in an Iranian rural population: a population-based study. *Ophthalmic and Physiological Optics.* 2018 Jul;38(4):447-55.

65. Hashemi H, Fotouhi A, Yekta A, Pakzad R, Ostadimoghaddam H, Khabazkhoob M. Global and regional estimates of prevalence of refractive errors: systematic review and meta-analysis. *Journal of current ophthalmology*. 2018 Mar 1;30(1):3-22.
66. Sedaghat MR, Ostadi-Moghadam H, Jabbarvand M, Askarizadeh F, Momeni-Moghaddam H, Narooie-Noori F. Corneal hysteresis and corneal resistance factor in pellucid marginal degeneration. *Journal of current ophthalmology*. 2018 Mar 1;30(1):42-7.
67. Hashemi H, Khabazkhoob M, Nabovati P, Yazdani N, Ostadimoghaddam H, Shiralivand E, Derakhshan A, Yekta A. Distribution of IOP measured with an air puff tonometer in a young population. *Journal of current ophthalmology*. 2018 Mar 1;30(1):35-41.
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69. Ghaderi S, Hashemi H, Jafarzadehpur E, Yekta A, Ostadimoghaddam H, Mirzajani A, Khabazkhoob M. The prevalence and causes of visual impairment in seven-year-old children. *Clinical and Experimental Optometry*. 2018 May;101(3):380-5
70. Hashemi H, Pakzad R, Yekta A, Shokrollahzadeh F, Ostadimoghaddam H, Mahboubipour H, Khabazkhoob M. Distribution of iris color and its association with ocular diseases in a rural population of Iran. *Journal of Current Ophthalmology*. 2018 May 24.
71. Hashemi H, Pakzad R, Ali B, Yekta A, Ostadimoghaddam H, Heravian J, Yekta R, Khabazkhoob M. Prevalence of refractive errors in Iranian university students in Kazerun. *Journal of Current Ophthalmology*. 2018 Sep 1.
72. Hashemi H, Saatchi M, Ali B, Yekta A, Asharlous A, Ostadimoghaddam H, Heravian J, Khabazkhoob M. The prevalence of Amblyopia in a young Population. *British Journal of Visual Impairment*. 2018 Sep;36(3):207-15.
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76. Nabovati P, Hashemi H, Khabazkhoob M, **Ostadimoghaddam H**, Doostdar A, Shiralvand E, Yekta A.A. Tehe prevalence of convergence insufficiency in iran: a population-based study. *Clin Expt Optom* 2017; 100: 704-709.
77. Sedaghat M.R, **Ostadimoghaddam H**, Jabbarvand M, Askarizadeh F, Momeni-Moghaddam H, Narooie-Noori F. Corneal hysteresis and corneal resistance factor in pellucid marginal degeneratin. *Journal of Current Ophtalmology*. 2017:1-7. Epub ahead of print.
78. **Ostadimoghaddam H**, Hashemi H, Nabovati P, Yekta A.A, Khabazkhoob M. the distribution of near point of convergence and its association with age, gender and refractive error: a population-based study. *Clin Expt Optom* 2017; 100: 255-259.
79. Yazdani N, Shahkarami L, Heravian J, vakili V, **Ostadimoghaddam H**, Yekta A.A, hoseini-yazdi h. Ocular changes in premature infants. *Rev clin med* 2017; 4(3): 87-96.
80. Yazdani N, Shahkarami L, **Ostadimoghaddam H**, Ehsaei A. Topographic determination of corneal asphericity as a function of page, gender, and refractive error. *Int Ophtalmology* 2017; 37(4): 807-812.
81. Hashemi H, Nabovati P, Yekta A.A, **Ostadimoghaddam H**, Behnia B, Khabazkhoob M. The prevalence of strabismus, hetrophoras, and their associated factors in underserved rural areas of Iran. *Strabismus* 2017; 25(2): 60-66.
82. Hashemi H, Nabovati P, Yekta A.A, **Ostadimoghaddam H**, Forouzesh S, Yazdani N, Khabazkhoob M. *Clin Expt Optom* 2017; 100: 162-166.

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87. Yekta A.A, Khabazkhoob M, Hashemi H, **Ostadimoghaddam H**, Ghasemi-Moghaddam S, Javad Heravian J, Doostdar A, Nabovati P. Binocular and accommodative characteristics in a normal population. *Strabismus* 2017; 25(1): 5-11.
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92. Hashemi H, Khabazkhoob M, Nabovati P, Yazdani N, **Ostadimoghaddam H**, Shiralivand E, Derakhshan A, Yekta A.A. Distribution of IOP Measured with an air puff tonometer in a young population. *Journal of Current Ophthalmology*. 2016;1-7. Epub ahead of print
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