

In the Name Of GOD

Curriculum Vitae

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CURRENT POSITION

- ❖ Professor of ophthalmology at Shiraz University of Medical Sciences, Shiraz, Iran

EDUCATION AND AWARDS

- 1986-1990 Tohid –high School, Shiraz –Iran with Honor
- 1990-1997 Shiraz University of Medical Science, Shiraz Iran: Doctor of Medicine (M.D) with honor
- 1999-2003 Mashhad university of medical sciences, Mashhad, Iran, School of medicine, Dept. of Ophthalmology, specialty of ophthalmology with honor
- 2000-2001 Chief resident of ophthalmology ward, Dept. of ophthalmology, Mashhad university of medical sciences, school of medicine, Mashhad Iran.
- 2003-2009 Assistant professor of ophthalmology at Yasuj University of medical sciences, Yasuj, Iran
- 2004-2009 Advisor of Medical student, Yasuj university of medical sciences, school of medicine Yasuj, Iran
- 2004-2009 Director of education of training program of medical sciences, school of medicine, Yasuj, Iran
- 2008-2009 Member colleague of ophthalmology research center of Tehran University of medical sciences.
- 2001 certification of international council of ophthalmology (the basic sciences assessment in ophthalmology including optic refraction)

- 2002 Certification of international council of ophthalmology (the clinical science assessment in ophthalmology)
- 2008-2009 Tehran university of medical sciences, Tehran Iran: Cornea and Ant segment Fellowship
- 2012 Shahid Beheshti university of medical sciences: Ocular surface diseases Fellowship

EXPERIENCE AND POSITIONS

- 2009-2017 Assistant professor of ophthalmology at Shiraz University of Medical Sciences, Shiraz, Iran.
- 2017-2023 Associate professor of ophthalmology at shiraz university of medical Sciences. Shiraz, Iran.
- 2023 Full professor of ophthalmology at Shiraz University of Medical Sciences, Shiraz, Iran.

PROFESSIONAL MEMBERSHIPS

- Member medical council of Iran
- Member of Iranian society of ophthalmology

Thesis with medical students

2014	Assessment of the expression of SDF-1 & CXCR4 gene transcripts tissues isolated from patients with pterygium compared to normal conjunctiva.	Dr. Taseh A.
2015	Evaluation the possibility of amoebic infection in patients suffering from the keratitis and encephalitis by direct culture and PCR methods.	Dr. Bahreini MS.
2015	Title: Comparison the effects of intracameral adrenalin solution with concentration 1/10000 and 1/100000 on corneal endothelium and macular thickness after uneventful phacoemulsification	Dr. Rahimi R.
2016	Title: Comparison of two techniques of pterygium surgery: Rotational autograft from pterygium tissue with intraoperative mitomycin C versus free conjunctival graft with intraoperative mitomycin C	Dr. Shamsi A.
2018	Comparing serum zinc, copper, iron, magnesium, and calcium levels between patients with advanced keratoconus and control subjects	Dr.Bolkheyir A.
2019	comparison vision related quality of life in adult patients, before and after cataract surgery in shiraz Khalili hospital, between first eye and second eye & simple aspheric IO1 comparison to multi focal IO1	Dr.Razavizadegan .
2019	Correlation between gender, refraction, topographic, pachymetric and aberometric data in myopic eyes of aged 20-40 years old in Motahari clinic patients	Dr.Bakht S.
2021	Title: comparison of ocular biometry with the pentacam AXL, IOL Master700 in patients with Intrastromal Corneal Ring Implantation	Dr.Ghafarpour AH.
2022	The effect of Pilocarpine drops of 1, 1.25 and 1.5 in the treatment of presbyopia and its comparison with the control group	Dr.Karami M

2022	To evaluate the effect of photorefractive keratectomy on the perfusion of optic nerve head and macula in the myopic individuals using OCT angiography	Dr.Nejabat A
2022	To determine the effect of collagen crosslinking (CCL) in circulation of optic nerve by using OCT angiography in patients with keratoconus in Shiraz Khalili hospital in 1400-1401	Dr. Falah zadeh M
2024	To evaluate the agreement of IOL master 700, pentacam, pentacam AXL and anterior segment OCT in regard to ocular dimensions in patients who referred to Poostchi eye clinic between 1402-1403	Dr.Sadeghi MJ

Peer-reviewed Publications

1. Mohaghegh S, **Bamdad S**, Kangari H, Rahmani S. Associations between refractive error components and higher-order aberrations in simple myopia and compound myopic astigmatism. *Front Ophthalmol (Lausanne)*. 2025 Mar 20;5:1532931.
2. Mohaghegh S, Kangari H, **Bamdad S**, Rahmani S. Associations between With-The-Rule and Against-The-Rule Astigmatism and Higher-Order Aberrations in Compound Myopic Astigmatism: Doi: 10.36351/pjo.v41i2.2010. *pak J Ophthalmol [Internet]*. 2025 Mar.
3. Bamdad S, Fathian A, Khalili MR, Mohammadi M, Attar A. Biometry and keratometry measurements after intracorneal ring segment implantation in keratoconus patients: a pilot comparison between Pentacam AXL and IOL Master 700. *BMC Ophthalmol*. 2025 Feb 18;25(1):80.

4. Baghban R, **Bamdad S**, Attar A, Mortazavi M. Implications of nanotechnology for the treatment of Dry Eye Disease: Recent advances. *Int J Pharm.* 2025 Mar 15;672:125355.
5. **Bamdad S**, Shirvani M, Shahriarirad S, Tamaddon M, Attar A. Epidemiology and characteristics of unintentional self-inflicted penetrating ocular injuries in children less than 6 years-old. *BMC Ophthalmol.* 2024 Oct 21;24(1):461.
6. Derakhshan A, Sabermoghaddam A, Abdollahian M, Ganavati SZ, Shakeri MT, Zareei A, **Bamdad S**. The Strabismus Prevalence in a Random Sample of Iran's Northeastern Population. *Pakistan Journal of Ophthalmology.* 2024;40(1).
7. **Bamdad S**, Attar A, Fallahzadeh M, Ebrahimi F, Faizabadi S, Azimi A. Does collagen cross linking have any effect on retinal circulation in patients with keratoconus? An optical coherence tomography angiography (OCTA) study. *BMC ophthalmology.* 2024;24(1):201.
8. Mohaghegh S, Kangari H, Masoumi SJ, **Bamdad S**, Rahmani S, Abdi S, et al. Prevalence and risk factors of keratoconus (including oxidative stress biomarkers) in a cohort study of Shiraz university of medical science employees in Iran. *BMC ophthalmology.* 2023;23(1):188.
9. Heydari M, Khalili MR, Nowroozzadeh MH, **Bamdad S**, Sahebkar A, Shariati MA, et al. Therapeutic implications of curcumin in the treatment of inflammatory eye diseases: A review. *Current Pharmaceutical Biotechnology.* 2023;24(4):553-61.
10. **Bamdad S**, Eslampoor A, Tabesh H, Jafarpour S, Maalagh M, Derakhshan A. Effect of Pulse Mode Phacoemulsification on Corneal Endothelium Using Different Frequencies: 10.36351/pjo. v39i1. 1488. *Pakistan Journal of Ophthalmology.* 2023;39(1).
11. **Bamdad S**, Razavizadegan SA, Farvardin M, Mohaghegh S. Vision-related Quality of Life after Bilateral Implantation of Monofocal and Multifocal Intraocular Lenses. *Journal of Ophthalmic & Vision Research.* 2022;17(1):19.
12. **Bamdad S**, Momeni-Moghaddam H, Abdollahian M, Piñero DP. Agreement of wavefront-based refraction, dry and cycloplegic autorefractometry with subjective refraction. *Journal of optometry.* 2022.

13. **Bamdad S**, Sanie-Jahromi F, Alamolhoda M, Masihpour N, Karimi MH. Glutathione S-Transferase Omega-2 and Transforming Growth Factor- β 1 Polymorphisms in Iranian Glaucoma Patients. J Ophthalmol. 2021; 2021:1061650.
14. Zareei A, Alamolhoda M, Abdollahian M, Khatami K, **Bamdad S**. Comparison of Autorefraction, Cyclorefraction, and Subjective Manifest Refraction in Keratoconic Eyes. 2021.
15. Zareei A, Abdollahian M, **Bamdad S**. Cycloplegic Effects on the Cylindrical Components of the Refraction. J Ophthalmol. 2021; 2021:8810782.
16. Derakhshan A, Heravian J, Abdollahian M, **Bamdad S**. Long-term Outcomes of Collagen Crosslinking for Early Keratoconus. J Ophthalmic Vis Res. 2021;16(2):151-7.
17. Derakhshan A, **Bamdad S**, Kheiri H, Yasemi M. Correlation between keratometry and corneal incision before and after phaco surgery. Folia Medica. 2021;63(4):527-32.
18. Allahyari E, Azimi A, Zarei H, **Bamdad S**. Comparison of endotracheal intubation, laryngeal mask airway, and I-gel in children undergoing strabismus surgery. Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences. 2021; 26:9.
19. **Bamdad S**, Sedaghat MR, Yasemi M, Maalhigh M. Intracorneal Stromal Ring Can Affect the Biomechanics of Ectatic Cornea. J Ophthalmol. 2020; 2020:4274037.
20. **Bamdad S**, Khalili MR, Rahimi R. Comparison of the Effects of 1/10,000 and 1/100,000 Concentrations of Intracameral Epinephrine on Corneal Endothelium and Macular Thickness After Uncomplicated Phacoemulsification. Eye. 2020 Mar 3.
21. **Bamdad S**, Sedaghat MR, Yasemi M, Vahedi A. Sensitivity and Specificity of Belin Ambrosio Enhanced Ectasia Display in Early Diagnosis of Keratoconus. J Ophthalmol. 2020; 2020:7625659.
22. **Bamdad S**, Khalili MR, Khosravi A, Attarzade A, Movahedan H, Nejabat M. Corneal Cross-linking as an Adjunct for The Management of Refractory Fungal Keratitis. Middle East Afr J Ophthalmol. 2020;27(4):204-9.
23. **Bamdad S**, Momeni-Moghaddam H, Abdollahian M, Piñero DP. Agreement of wavefront-based refraction, dry and cycloplegic autorefraction with subjective refraction. Journal of optometry. 2022;15(1):100-6.

24. Zaheryani SMS, Movahedan H, Salouti R, Mohaghegh S, Javadpour S, Shirvani M, **Bamdad S**, et al. Corneal Collagen Cross-Linking Using Epithelium Disruptor Instrument in Progressive Keratoconus. J Curr Ophthalmol. 2020;32(3):256-62.
25. Derakhshan A, Bazdar S, **Bamdad S**. Evaluation of color blindness prevalence in male medical students of Mashhad medical school. 2020.
26. **Bamdad S**, Zaheryani SMS, Mohaghegh S, Shirvani M. Fourier Analysis of Keratometric Data in Epithelium Removal versus Epithelial Disruption Corneal Cross-linking. J Ophthalmic Vis Res. 2020;15(1):16-23.
27. **Bamdad S**, Shiraly R. Risk Factors Associated with Cataracts in Middle-Aged People, an Incidence-Based Case-Control Study in Shiraz, Iran. Shiraz E-Medical Journal. 2019;20(9).
28. Sedaghat MR , Momeni-Moghaddam H , P Piñero D , Akbarzadeh R , Moshirfar M , **Bamdad S** , Gazanchian M .Predictors of Successful Outcome Following Intrastromal Corneal Ring Segments Implantation. Curr Eye Res. 2019
29. Bahreini MS , Motazedian MH , **Bamdad S**, afshar MJ , Asgari Q .Detection of Free Living Amoeba infection in patients with suspected central nervous system and keratitis disease in Shiraz, southern Iran. J Health Sci Surveillance Sys April 2019; 7(2). Jul;44(7):707-715.
30. Mahdaviazad H , **Bamdad S** , Roustaei N , Mohaghegh S . Vision-Related Quality of Life in Iranian Patients with Keratoconus: National Eye Institute Vision Function Questionnaire-25. Eye Contact Lenz. 2018 Nov;44 Suppl 2: S350-S354.
31. **Bamdad S** , Owji N , Bolkheir A . Association Between Advanced Keratoconus and Serum Levels of Zinc, Calcium, Magnesium, Iron, Copper, and Selenium. Cornea. 2018 Oct;37(10):1306-1310
32. **Bamdad S** , Bolkheir A , Sedaghat MR , Motamed M . Changes in Corneal Thickness and Corneal Endothelial Cell Density After Phacoemulsification Cataract Surgery: A Double-Blind Randomized Trial. Electron Physician. 2018 Apr. 25;10(4):6616-6623.
33. **Bamdad S** , Meshksar A , Safarpour MM . Candida Albicans Endophthalmitis Following Penetrating Keratoplasty: A Case Report. Electron Physician. 2018 Jan 25;10(1):6215-6218.

34. Baradaran-Rafii A , Shayan Asl N , Ebrahimi M , Jabbehdari S , **Bamdad S** , Roshandel D , Eslani M , Momeni M . The Role of Amniotic Membrane Extract Eye Drop (AMEED) in in Vivo Cultivation of Limbal Stem Cells. Ocul Surf. 2018 Jan;16(1):146-153.
35. Yasemi M , **Bamdad S** , Sarokhani D , Sarokhani M , Sayemiri K , Ahmadi NA . Prevalence of Pterygium in Iran: A Systematic Review and Meta-Analysis Study. Electron Physician. 2017 Dec 25;9(12):5914-5919.
36. **Bamdad S** , Beigi V , Sedaghat MR . Sensitivity and Specificity of Swedish Interactive Threshold Algorithm and Standard Full Threshold Perimetry in Primary Open-angle Glaucoma. Med Hypothesis Discov Innov Ophthalmol. Winter 2017;6(4):125-129.
37. **Bamdad S**, VATAN Y. Goldmann Applanation Tonometry: Using a Red-Free Filter for Mass Screening. Med Hypothesis Discov Innov Ophthalmol. 2017; 6(1).
38. **Bamdad S** , Shamsi Kooshki A , and Yasemi M . Surgical outcome of conjunctival rotational autograft-mitomycin C (MMC) versus free conjunctival autograft-MMC for pterygium removal: A randomized clinical trial. Electron physician. 2017 Dec; 9(12): 5877–5884.
39. **Bamdad S**, Khademi B, Chenari N, Taseh A, Razmkhah M. Stromal cell derived factor-1, CXCR4 and CXCR7 gene transcripts in pterygia. Journal of Current Ophthalmology. 2017; 29 (1): 28-32.
40. **Bamdad S**, Bamdad M, Khanlari M, Daneshbod Y, Khademi B. Teratogenic effects of intravitreal injection of bevacizumab in a pregnant rat model. Iranian Journal of Pharmaceutical Research. 2017; 16 (2): 670-6.
41. Baradaran-Rafii A, Delfazayebaher S, Aghdami N, Taghiabadi E, **Bamdad S**, Roshandel D. midterm outcomes of penetrating keratoplasty after cultivated oral mucosal epithelial transplantation in chemical burn. Ocular Surface. 2017; Article in Press.
42. **Bamdad Sh**, Bolkheir AR, Khorrami MK. Common Causes of Visual Impairment Among Sixth Grade Students In Boyer Ahmad City. Iranian South Medical Journal (Ismj). 2017; 20(1):104-14.
43. Sedaghat MR, Azimi A, Arasteh P, Tehranian N, **Bamdad S**. The Relationship between Anterior Chamber Depth, Axial Length and Intraocular Lens Power among Candidates for Cataract urgery. Electron Physician. 2016; 8(10):3127-31.

44. **Bamdad S**, Khosravi A, Malekhosseini H. Reply. *Cornea*. 2015; 34 (11): 35-6.
45. **Bamdad S**, Malekhosseini H, Khosravi A. Ultraviolet A/riboflavin collagen cross-linking for treatment of moderate bacterial corneal ulcers. *Cornea*. 2015; 34 (4): 402-6.
46. Sedaghat M, Bagheri M, Ghavami S, **Bamdad S**. Changes in corneal topography and biomechanical properties after collagen cross linking for keratoconus: 1-year results. *Middle East African Journal of Ophthalmology*. 2015; 22 (2): 212-9.
47. Rahimi F, Hashemian MN, Khosravi A, Moradi G, **Bamdad S**. Bacterial keratitis in a tertiary eye centre in Iran: A retrospective study. *Middle East African Journal of Ophthalmology*. 2015; 22 (2): 238-44.
48. **Bamdad S**, Khosravi A, Malekhosseini H. Screening for Keratoconus and Related Ectatic Corneal Disorders: A Response Reply. *Cornea*. 2015; 34(11): 35-6.
49. Beheshtnejad AH, **Bamdad S**, Hashemi H, Rahimi F, Roozbehani M. Mid-term outcome of phacoemulsification in congenital iris coloboma. *Iranian Journal of Ophthalmology*. 2013; 25 (3):197-203.
50. **Bamdad S**, Roozbahani M, Rouzbahani R, Nazarian S, Ghaffarian H. Comparison of applanation tonometry with and without fluorescein. *Journal of Isfahan Medical School*. 2011; 28(118): 937-42.
51. Hashemian MN, Ostadian F, **Bamdad S**, Rahimi F, Hashemi H, Kanavi MR, Tafti MF. Randomized, prospective comparison of clinical outcomes and confocal findings of pre-cut versus manually dissected grafts for descemet's stripping endothelial keratoplasty. *Iranian Journal of Ophthalmology*. 2010; 22 (4): 31-42.
52. Abrishami M, Sedaghat MR, **Bamdad Sh**. Sensitivity, Specificity, Validity of Sita Fast Strategy Compared with Standard Full Threshold Algorithm In Humphrey Field Analyzer. *Iranian Journal of Ophthalmology*. 2004; 16(2): 23-29.
53. Rahimi F, **Bamdad S**. Evaluation in refractive surgery. *Quarterly Journal of Ophthalmology*. 2009; 11:9-10.
54. **Bamdad S**. Corneal screening of patient who has refractive error surgery. *Farabi Ophthalmology Journal*. 2008.

PRESENTATIONS

1. **Bamdad S.** Updates in Stem Cell: CLET.XXVI Annual Congress of the Iranian Society of Ophthalmology. Tehran, Razi Convention Center, Iran, 2016, 12-15 Dec.
2. **Bamdad S.** Patient Selection for Excimer Refractive Surgery (Case Presentations).XXVI Annual Congress of the Iranian Society of Ophthalmology. Tehran, Razi Convention Center, Iran, 2016, 12 - 15 Dec.
3. **Bamdad S.** Workshop: Pterygium: Panel Discussion. XXVI Annual Congress of the Iranian Society of Ophthalmology. Tehran, Razi Convention Center, Iran, 2016, 12 - 15 Dec.
4. **Bamdad S.** Workshop: Phaco Chops: When Not to Chop! XXVI Annual Congress of the Iranian Society of Ophthalmology. Tehran, Razi Convention Center, Iran, 2016, 12 - 15 Dec.
5. **Bamdad S.** Candida Albicans Endophthalmitis Following Penetrating Keratoplasty. XXVI annual congress of the Iranian Society of ophthalmology. Tehran, Razi Convention Center, Iran, 2016, 12 - 15 Dec.
6. **Bamdad S.** Ultraviolet A/riboflavin collagen cross-linking for treatment of moderate bacterial corneal ulcers. XXXIII Congress of the ESCRS. Barcelona, Spain. 2015, 5 - 9 Sept.
7. **Bamdad S.** Ultraviolet A/Riboflavin Collagen Cross-Linking for the treatment of moderate bacterial corneal ulcer. XXIV Annual Congress of the Iranian Society of Ophthalmology. Tehran, Iran, 2014, 1-4 Dec.
8. **Bamdad S.** Dry eye and inflammation.22th Seminar of Ophthalmology in Shiraz. Shiraz, Iran, 2014, 15-May.
9. **Bamdad S.** Patient selection, Indication and contraindication.22th Seminar of Ophthalmology in Shiraz. Shiraz, Iran, 2014, 15-May.
10. **Bamdad S.** Hallmark of follow-up of the patients.22th Seminar of Ophthalmology in Shiraz. Shiraz, Iran, 2014, 15-May.
11. **Bamdad S.** Early post trabeculectomy complication. 19th Shiraz congress of ophthalmology. Shiraz, Iran, 2011.

12. **Bamdad S.** Cause of visual loss in student of first degree guidance school of Yasuj city. XXV congress of the ESCRS. Stockholm, Sweden, 2007.
13. **Bamdad S.** Outcome of cataract surgery in patients with cataract of coloboma. Iranian congress of ophthalmology, Tehran, Iran, 2009.
14. **Bamdad S.** Case selection in phacoemulsification. Iranian congress of ophthalmology. Tehran, Iran, 2009.
15. **Bamdad S.** Definition of case of keratoconus. Farabi CME, Dec 2009.
16. **Bamdad S.** Emergency in ophthalmology. Yasuj University of medical sciences CME. 2008)
17. **Bamdad S.** Comparison of sensitivity of specificity of SITA fast of full standard threshold in automated Humphrey primary. Iranian congress of ophthalmology. Tehran, Iran, 2002.