



Curriculum Vitae

Alireza Peyman

Associate Professor, Department of Ophthalmology
Isfahan University of Medical Sciences
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Education

September 2008 to December 2009
Subspecialty Fellowship Cornea & Anterior Segment
Isfahan University of Medical Sciences

September 2002 to September 2006
Specialty resident Ophthalmology
Isfahan University of Medical Sciences

September 1992 to March 2000
M.D. General Medicine
Isfahan University of Medical Sciences

Association Memberships

Iranian Medical Council
Iranian Society of Ophthalmology
European Society of Cataract and Refractive Surgeons

Theses

Peyman, A. (2009). Evaluation of transcutaneous electrical stimulation to improve recovery from corneal hypoesthesia; Fellowship thesis, Isfahan University of Medical Sciences

Peyman, A. (2006). A Method of Calculating IOL Power after LASIK, Independent of Preoperative Data; Residency thesis, Isfahan University of Medical Sciences

Peyman, A. (2000). The results of learning growth chart as the method of growth promotion assessment by mothers; GP thesis, Isfahan University of Medical Sciences

Published Papers

1. Peyman A, Pourazizi M, Akhlaghi M, Feizi A, Rahimi A, Soltani E. Stereopsis after corneal refractive surgeries: a systematic review and meta-analysis. *International ophthalmology*. 2022;1-16.
2. Ghoreishi M, Peyman A, Sadeghi A, Pourazizi M. Posterior Pseudo-Lenticulus Sign in a Patient with Nipple Cone Keratoconus. *European Journal of Ophthalmology*. 2022;11206721221081195.
3. Eghtedar RA, Esmaeili M, Peyman A, Akhlaghi M, Rasta SH. An Update on Choroidal Layer Segmentation Methods in Optical Coherence Tomography Images: a Review. *Journal of Biomedical Physics & Engineering*. 2022;12(1):1.
4. Corneal biomechanical properties after soft contact lens wear measured on a dynamic Scheimpflug analyzer: A before and after study A Peyman, M Ghoreishi, SS Hashemi-Estabragh, M Mirmohammadkhani, *Journal Français d'Ophtalmologie* 2021.44 (3), 391-396
5. 6. Nasrollahi K, Razmjoo F, Naderan M, Peyman A. Corneal cross-linking for keratoconus: Evaluation of the retina and choroid. *European Journal of Ophthalmology*. 2021.
6. Mortazavi SA-A, Fazel F, Radmanesh P, Peyman A, Pourazizi M. Wavefront-guided photorefractive keratectomy with and without iris registration: comparison of astigmatic correction. *Lasers in Medical Science*. 2021;36(1):75-81.
7. Farsani DM, Ghadimi K, Abrishamkar R, Montazeri K, Peyman A. Evaluating sedative effects of dexmedetomidine and morphine in the patients with opioid use disorder undergoing cataract surgery. *American Journal of Clinical and Experimental Immunology*. 2021;10(1):30.
8. Shetabi H, Naghibi K, Peyman A, Taghizadeh S. Evaluation of the effect of nasal fentanyl in comparison with intravenous fentanyl in cataract surgery by phacoemulsification method. *Tehran University Medical Journal TUMS Publications*. 2021;79(6):425-32.
9. Peyman A, Feizi A, Ganjalikhani-Hakemi M, Hosseini-Nasab F, Pourazizi M. Outcome of corneal collagen cross-linking in keratoconus: Introducing the predictive factors. *Journal of Current Ophthalmology*. 2020;32(1):19.
10. Peyman A, Pourazizi M. COVID-19 and ophthalmologists: introducing a simple protective shield for slitlamp biomicroscopic examination. *Journal of Cataract and Refractive Surgery*. 2020;46(6):919-20.
11. Peyman A, Nasrabadi FD. External infrared light for excimer laser vision correction. *Journal of Cataract & Refractive Surgery*. 2020;46(7):1055.
12. Peyman A, Hosseini M, Narimani T. Comparison of the effects of povidone-iodine 5%, polyhexamethylene biguanide, and chlorhexidine as a preoperative antiseptic in endophthalmitis

- prophylaxis in patients undergoing phacoemulsification cataract surgery. *Advanced Biomedical Research*. 2020;9.
13. Ghoreishi M, Abdi-Shahshahani M, Peyman A, Pourazizi M. A model for predicting sulcus-to-sulcus diameter in posterior chamber phakic intraocular lens candidates: correlation between ocular biometric parameters. *International Ophthalmology*. 2019;39(3):661-6.
 14. Peyman M, Peyman A, Lansingh VC, Orandi A, Subrayan V. Intravitreal bevacizumab versus ranibizumab: Effects on the vessels of the fellow non-treated eye. *Journal of Current Ophthalmology*. 2019;31(1):55-60.
 15. Esmaeili M, Eghtedar RA, Peyman A, Akhlaghi M, Rasta SH. A New Choroidal Layer Segmentation Method Based on Graph Theory and Directional Curvelet Transform in OCT Images. 2019.
 16. Peyman A, Nayebzadeh M, Peyman M, Afshari NA, Pourazizi M. Topical cyclosporine-A versus prednisolone for herpetic stromal keratitis: a randomized controlled trial. *Acta Ophthalmologica*. 2019;97(2):e194-e8.
 17. Peyman A, Pourazizi M, Peyman M, Kianersi F. Natural honey-induced *Acanthamoeba* keratitis. *Middle East African Journal of Ophthalmology*. 2019;26(4):243.
 18. Ghoreyshi M, Khalilian A, Peyman M, Mohammadinia M, Peyman A. Comparison of OKULIX ray-tracing software with SRK-T and Hoffer-Q formula in intraocular lens power calculation. *Journal of current ophthalmology*. 2018;30(1):63-7.
 19. Peyman A, Pourazizi M. Scheimpflug-based optical densitometry for assessment of corneal opacity: An objective method to monitor interstitial keratitis. *Journal of Ophthalmic and Vision Research*. 2018;13(2):207.
 20. Peyman A, Dastborhan Z, Peyman M. Astigmatic treatment with photorefractive keratectomy: Investigations of non-keratometric ocular astigmatism. *Journal of current ophthalmology*. 2017;29(2):98-102.
 21. Razmjoo H, Ghoreishi M, Milasi AM, Peyman A, Jafarzadeh Z, Mohammadinia M, et al. Toric intraocular lens for astigmatism correction in cataract patients. *Advanced Biomedical Research*. 2017;6.
 22. Peyman A, Alemzadeh-Ansari M-H. Astigmatic treatment and small-incision lenticule extraction (SMILE). *Graefe's Archive for Clinical and Experimental Ophthalmology*. 2017;255(6):1255-6.
 23. Peyman A, Nouralishahi A, Hafezi F, Kling S, Peyman M. Stromal demarcation line in pulsed versus continuous light accelerated corneal cross-linking for keratoconus. *Journal of Refractive Surgery*. 2016;32(3):206-8.
 24. Rabbani H, Kafieh R, Kazemian Jahromi M, Jorjandi S, Mehri Dehnavi A, Hajizadeh F, et al. Obtaining thickness maps of corneal layers using the optimal algorithm for intracorneal layer segmentation. *International Journal of Biomedical Imaging*. 2016;2016.
 25. Parsipour F, Razmju H, Khatavi F, Panahi M, Nouralishahi A, Peyman A. Wavefront aberration and contrast sensitivity after implantation of foldable and rigid iris claw phakic intraocular lenses: Artiflex versus artisan. *Indian journal of ophthalmology*. 2016;64(5):382.
 26. Faghri J, Zandi A, Peiman A, Fazeli H, Esfahani BN, Safaei HG, et al. Study on Prevalence, Antibiotic Susceptibility, and tuf Gene Sequence–Based Genotyping of Species-Level of Coagulase-Negative Staphylococcus Isolated From Keratitis Caused by Using Soft Contact Lenses. *Eye & Contact Lens*. 2016;42(2):115-9.
 27. Peyman A. Statistical analysis of stereoacuity in ophthalmology research. *Journal of Current Ophthalmology*. 2016;28(4):237.
 28. Dehghani A, Ramsheh AR, Peyman A, Pourmohammadi R, Akhlaghi MR, Rezaei L, et al. Bandage contact lens for ultraviolet light photo keratitis. *International Journal of Medical Research & Health Sciences*. 2016;5(8):285-7.

29. Ghahfarokhi NA, Vaseghi A, Ghahfarokhi NA, Ghoreishi M, Peyman A, Dehghani A. Evaluation of corneal thickness alterations during menstrual cycle in productive age women. *Indian Journal of Ophthalmology*. 2015;63(1):30.
30. Peyman A, Kabiri M, Peyman M. Tonic Pupil, a Paraneoplastic Neuro-Ophthalmological Disease Associated with Occult Breast Cancer. *The breast journal*. 2015;21(5):543-4.
31. Peyman A, Kamali A, Khushabi M, Nasrollahi K, Kargar N, Taghaodi M, et al. Collagen cross-linking effect on progressive keratoconus in patients younger than 18 years of age: a clinical trial. *Advanced biomedical research*. 2015;4.
32. Razmjoo H, Ghoreishi SM, Mohammadi Z, Salam H, Nasrollahi K, Peyman A. Comparison of the findings of endothelial specular microscopy before and after corneal cross-linking. *Advanced Biomedical Research*. 2015;4
33. Mohammadi F, Peyman A, Dehghan P, Razmjoo H, Maherolnaghsh M, Falahati M, et al. Prevalence of fungal keratitis in patients with corneal ulcer. *Journal of Isfahan Medical School*. 2014;32(308):1863-9.
34. Razmjoo H, Vaezi M-H, Peyman A, Koosha N, Mohammadi Z, Alavirad M. The effect of pterygium surgery on wavefront analysis. *Advanced biomedical research*. 2014;3.
35. Jahromi MK, Kafieh R, Rabbani H, Dehnavi AM, Peyman A, Hajizadeh F, et al. An automatic algorithm for segmentation of the boundaries of corneal layers in optical coherence tomography images using gaussian mixture model. *Journal of medical signals and sensors*. 2014;4(3):171.
36. Razmjoo H, Rahimi B, Kharraji M, Koosha N, Peyman A. Corneal haze and visual outcome after collagen crosslinking for keratoconus: a comparison between total epithelium off and partial epithelial removal methods. *Advanced biomedical research*. 2014;3.
37. Razmjoo H, Koosha N, Vaezi MH, Rahimi B, Peyman A. Corneal astigmatism change and wavefront aberration evaluation after cataract surgery: "Single" versus "paired opposite" clear corneal incisions. *Advanced Biomedical Research*. 2014;3.
38. Peyman A. Contact lens-assisted collagen cross-linking: is it the working solution? *Journal of Refractive Surgery*. 2014;30(11):728-.
39. Ghoreishi M, Agherian R, Peyman AR, Feshareki H, Mohammadinia M. Flexible toric iris claw phakic intraocular lens implantation for myopia and astigmatism. *Journal of Ophthalmic & Vision Research*. 2014;9(2):174.
40. Hashemi H, Khabazkhoob M, Peyman A, Miraftab M, Jafarzadehpur E, Emamian MH, et al. The association between residual astigmatism and refractive errors in a population-based study. *Journal of Refractive Surgery*. 2013;29(9):624-8.
41. Razmjoo H, Kooshanmehr MR, Peyman A, Kor Z, Mohammadesmaeil E. Comparison of standard and low dose intraoperative mitomycin C in prevention of corneal haze after photorefractive keratectomy. *International Journal of Preventive Medicine*. 2013;4(2):204.
42. Ghoreishi M, Jafarzadeh Z, Peyman A, Mohammadi A. Visual outcomes of toric implantable collamer lens for correction of compound myopic astigmatism. *Journal of Current Ophthalmology*. 2013;25(2):155.
43. Razmjoo H, Nasrollahi APK, Salam H, Karbasi N, Najarzaghan MR. Topographic corneal changes after collagen cross-linking in patients with corneal keratoconus. *Journal of Research in Medical Sciences: The Official Journal of Isfahan University of Medical Sciences*. 2013;18(10):882.
44. Razmjoo H, Abdi E, Atashkadi S, Reza AM, Reza PA, Akbari M. Comparative study of two silicone hydrogel contact lenses used as bandage contact lenses after photorefractive keratectomy. *International Journal of Preventive Medicine*. 2012;3(10):718.
45. Peyman A, Peyman M, Akhlaghi M. Correct method for statistical analysis of stereopsis in ophthalmology research. *Graefes' Archive for Clinical and Experimental Ophthalmology*. 2012;250(5):781.

46. Razmjou H, Rezaei L, Dehghani A, Rismanchian A, Peyman A, Akhlaghi M, et al. Clinical Evaluation of Drug Induced Acute Angle Closure Glaucoma. *Bina Journal of Ophthalmology*. 2012;17(2):186-90.
47. Razmjou H, Khalilian A, Peyman A, Abtahi S-H, Abtahi M-A, Akbari M, et al. Preoperative topical diclofenac and ketorolac in prevention of pain and discomfort following photorefractive keratectomy: a randomized double-masked placebo-controlled clinical trial. *International Journal of Preventive Medicine*. 2012;3(Suppl1):S199.
48. Peyman M, Bakhtiari A, Khaw KW, Subrayan V, Peyman A. Retinal Microcirculation and Gestational Diabetes Mellitus. *Investigative Ophthalmology & Visual Science*. 2012;53(14):2842-.
49. Razmjou H, Peyman A, Abtahi SM. Comparing the Effect of Two Oral Acifen and Gabapentin Drugs on Preventing from Pain Following Photorefractive Keratectomy Surgery. *Journal of Isfahan Medical School*. 2012;29(163).
50. Ghoreishi M, Razmjou H, Noori Fesharaki M, Peyman A. Visual Outcomes of Femto-LASIK after Penetrating Keratoplasty. *Bina Journal of Ophthalmology*. 2012;17(3):214-9.
51. Fesharaki H, Peyman A, Rowshandel M, Peyman M, Alizadeh P, Akhlaghi M, et al. A comparative study of complications of cataract surgery with phacoemulsification in eyes with high and normal axial length. *Advanced Biomedical Research*. 2012;1.
52. Ghaffariyeh A, Honarpisheh N, Karkhaneh A, Abudi R, Moroz ZI, Peyman A, et al. Fyodorov–Zuev keratoprosthesis implantation: long-term results in patients with multiple failed corneal grafts. *Graefe's Archive for Clinical and Experimental Ophthalmology*. 2011;249(1):93-10138.
53. Razmjou H, Rezaei L, Dehghani A, Peyman A, Akhlaghi M. Bilateral angle-closure glaucoma in a young female receiving cabergoline: a case report. *Case reports in ophthalmology*. 2011;2(1):30-3.
54. Razmjou H, Abtahi M-A, Roomizadeh P, Mohammadi Z, Abtahi S-H. Management of corneal bee sting. *Clinical Ophthalmology (Auckland, NZ)*. 2011;5:1697.
55. Dehghani A, Abtahi M-A, Abtahi S-H, Peyman A, Etemadifar M, Ghanbari H, et al. Massive bilateral choroidal detachment induced by administration of topiramate. *Case Reports in Ophthalmology*. 2011;2(2):251-5.
56. Razmjou H, Rezaei L, Fesharaki H, Nasrollahi K, Peyman A, Akhlaghi MR. The Effect of Photorefractive Keratectomy with Technolas 217z and Lasersight LSX Excimer Laser Systems on the Refractive Errors Correction. *Journal of Isfahan Medical School*. 2011;29(136).
57. Dehghani A, Rezaei L, Peyman A. Acute myopia and angle closure glaucoma associated with topiramate use: A case series. *American Journal of Case Reports*. 2010;11:241-3.
58. Fazel F, Dehghani A, Akhlaghi M, Rezaei L, Peyman A, Shojaei S. Postoperative Pain after Cooling PRK. *Bina J Ophthalmol*. 2010;15(4):284-8.
59. Ghoreishi SM, Naderibeni A, Peyman A, Rismanchian A, Eslami F. Aspheric profile versus wavefront-guided ablation photorefractive keratectomy for the correction of myopia using the Allegretto Eye Q. *European Journal of Ophthalmology*. 2009;19(4):544-53.
60. Ghaffariyeh A, Peyman A, Puyan S, Honarpisheh N, Bagheri B, Peyman M. Evaluation of transcutaneous electrical stimulation to improve recovery from corneal hypoesthesia after LASIK. *Graefe's Archive for Clinical and Experimental Ophthalmology*. 2009;247(8):1133-8.
61. Peyman A, Peyman M. Intraocular lens power after refractive surgery: Haigis-L formula. *Journal of Cataract & Refractive Surgery*. 2009;35(9):1650.
62. Fesharaki H, RAZMJOU H, GHOREYSHI M, ATARZADEH H, Rismanchian A, Peyman A. Intraocular Pressure Lowering Effect of Deep Sclerectomy with Mitomycin C and Loose Scleral Flap Suture in Open Angle Glaucoma. 2009.

63. Razmjoo H, Akhlaghi M-R, Dehghani A-R, Peyman A-R, Sari-Mohammadli M, Ghatreh-Samani H. Stereoacuity following LASIK. *Journal of Ophthalmic & Vision Research*. 2008;3(1):28.
64. Shohrati M, Davoudi M, Ghanei M, Peyman M, Peyman A. Cutaneous and ocular late complications of sulfur mustard in Iranian veterans. *Cutaneous and ocular toxicology*. 2007;26(2):73-81.
65. Najafi A, Peyman M, Tajik A, Bakhtiyari A, Peyman A, Bidar R, et al. Correlation between red blood cell membrane fatty acids and plasma lipids with clinical severity of retinitis pigmentosa. *Medical Science Journal of Islamic Azad University-Tehran Medical Branch*. 2007;17(2):87-90.
66. Razmjoo H, Peyman A, Kashfi A, Peyman M, Dehghani A. A regression model for correcting intraocular lens power after refractive surgery independent of preoperative data. *European journal of ophthalmology*. 2006;16(4):525-9.
67. Morteza S, Heshmatolah G. Effect of captopril on aqueous levels of angiotensin II and its correlation with macular edema in diabetic patients. 2006.
68. Ferrara intrastromal corneal ring segments in keratoconus, *Bina*, 2006
69. Ghoreishi M, Aidenloo NS, Peyman A, Peyman M, Haghdooustoskoey M. Does hinge position affect dry eye after laser in situ keratomileusis? *Ophthalmologica*. 2005;219(5):276-80.
70. PEYMAN M, AMINI HA, SHAHSHAHAN M, BAKHTIARI A, PEYMAN A, GHANBARI H. EFFECT OF CAPTOPRIL ON AQUEOUS HUMOR LEVEL OF ANGIOTENSIN II AND VASCULAR ENDOTHELIAL GROWTH FACTOR IN PATIENTS WITH DIABETIC MACULAR EDEMA. 2005
71. RAZMJOU H, PAYMAN A, KASHFI A, PEYMAN M, HAGHDOUSTOSKOEY M. A METHOD OF CALCULATING INTRAOCULAR LENS POWER AFTER LASIK INDEPENDENT OF PREOPERATIVE DATA. 2004.
72. GHOREYSHI M, PEYMAN A, SAMADI-AIDENLOO N, PEYMAN M. DOES HINGE POSITION AFFECT DRY EYE AFTER LASIK? 2004.

Thesis supervision (main supervisor or co-PI)

- *2010, Topical NSAIDS for analgesia before PRK (resident: Dr Khalilian)
- *2010, Effect of pterygium excision on higher order aberrations (resident: Dr Vaezi)
- *2011, Effect of CXL on KC in <18 years old age group (resident: Dr Kamali)
- *2011, Corneal haziness after CXL comparing total and partial epithelium removal (resident: Dr B Rahimi)
- *2012, Accelerated vs conventional CXL (resident: Dr A Rahimi)
- *2010, Effect of CXL in keratoconus (resident: Dr Salam)
- ?2010, Toric Artiflex for treatment of myopic astigmatism (resident: Dr Jafarzade)
- *2011, Toric Artisan for treatment of myopic astigmatism (resident: Dr Agerian)
- *2012, Effect of double opposite corneal incisions on astigmatism (resident: Dr Koosha)
- *2013, CXL under age of 18 (resident: Dr Kamali)
- *2013, CXL for PMD (resident: Dr Mamoosa)
- *2013, Cornea haze formation with partial epithelial removal CXL (Dr B Rahimi)
- *2013, (Kazemian)
- *2014, Pulsed Vs. continuous CXL for keratoconus (resident: Dr Nooralishahi)
- *2015, Topical cyclosporine 2% for herpetic interstitial keratitis (resident: Dr Nayebzade)

- *2015, Okulix Optical ray tracing for IOL power calculation (fellowship: Dr Khalilian)
- *2016, Ocular microbial flora before and after PRK for myopia (student: Dr Bazookar)
- *2016, Ocular microbial flora before and after CXL for keratoconus (student: Dr Bazookar)
- *2017, Epidemiology and outcome of pediatric cataract surgery (free proposal: Dr Poorazizi)
- *2017, Evaluation of predicting factors including tear cytokines on cornea response to CXL (resident: Dr Poorazizi)
- *2018, Cornea biomechanic change evaluated by Corvis before and after soft contact lens use (resident: Dr Hashemi)
- *2018, Topical antiseptics: Chlorhexidine, PHMB, and Betadine 5% on ocular surface to decrease microbial load before cataract surgery (resident: Dr Hoseini)
- *2018, Choroidal thickness in FHI (resident: Dr Taheri)
- *2019, Evaluation of tear IL-6 and TNF alpha in keratoconus and normal subjects
- *2019, Long term results of CXL for PMD
- *2020, Corvis cornea biomechanical indices in normal and keratoconus patients
- *2020, Depth perception and stereoacuity after keratorefractive surgery, a meta-analysis and review
- *2020, Evaluating the safety and efficacy of trans-epithelial PRK compared to conventional method for treatment of high astigmatic error, a contra-lateral study.
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Conference Participation with Presentations

- 1999, 15th International Medical Students Congress (XV IMSC), Istanbul Turkey; 1 oral
- 2000, 1st Najafabad Medical Azad University Congress (1st NMAUC); chairman, 1 oral
- 2003, 13th Congress of Iranian Society of Ophthalmology (XIII IRSO); 1 oral
- 2004, 13th Afro-Asian Congress of Ophthalmology (XIII AACO), Istanbul Turkey; 1 oral
- 2004, 22nd Congress of European Society of Cataract and Refractive Surgery (XXII ESCRS), Paris France; 2 oral
- 2004, 14th Congress of Iranian Society of Ophthalmology (XIV IRSO); 2 oral
- 2004, 3rd Najafabad Medical Azad University Congress (3rd NMAUC); chairman
- 2004, 11th National Congress of Medical Students (XI NCMS), Tabriz; 1 oral
- 2005, 23rd Congress of European Society of Cataract and Refractive Surgery (XXIII ESCRS), Lisbon Portugal; 4 oral, 2 Posters
- 2005, 15th Congress of Iranian Society of Ophthalmology (XV IRSO); 4 oral, 2 Posters
- 2006, 16th Congress of Iranian Society of Ophthalmology (XVI IRSO); 1 oral

- 2006, 24th Congress of European Society of Cataract and Refractive Surgery (XXIV ESCRS), Stockholm Sweden; 5 oral, 3 Posters
- 2007, 17th Congress of Iranian Society of Ophthalmology (XVII IRSO); 8 oral, 1 Poster, speaker at workshop
- 2008, 18th Congress of Iranian Society of Ophthalmology (XVIII IRSO); 4 oral, 2 Poster, speaker at workshop
- 2007, 26th Congress of European Society of Cataract and Refractive Surgery (XXVI ESCRS), Berlin Germany; 1 oral, 5 Posters
- 2009, 19th Congress of Iranian Society of Ophthalmology (XIX IRSO); 1 oral
- 2010, 20th Congress of Iranian Society of Ophthalmology (XX IRSO); 3 oral, 1 Poster
- 2011, 21st Congress of Iranian Society of Ophthalmology (XXI IRSO); 1 oral
- 2012, 22nd Congress of Iranian Society of Ophthalmology (XXII IRSO); 2 oral
- 2009, 1st Congress of Iranian Society of Cataract and Refractive Surgery, 1 oral, 1 video presentation
- 2012, 5th Ophthalmic Annual Meeting of Mashhad university of Medical Sciences, 1 oral
- 2013, Shiraz Congress of Iranian Society of Cataract and Refractive Surgery, 1 oral
- 2013, 31 Congress of European Society of Cataract and Refractive Surgery (XXXI ESCRS), Amsterdam, Netherlands; 2 oral
- 2013, 23rd Congress of Iranian Society of Ophthalmology (XXIII IRSO); 2 oral
- 2014, First joint workshop of ICO and IRSO
- 2014, First joint workshop of AAO and IRSO (LDP)
- 2014, 24th Congress of Iranian Society of Ophthalmology (XXIV IRSO)
- 2015, Conference for Ophthalmic Educators (ICO), Vienna, Austria
- 2015, European Society of Ophthalmology Congress 2015, Vienna, Austria; 1 poster
- 2015, IRSO-ICO Education Workshop, Tehran
- 2015, 25th Congress of Iranian Society of Ophthalmology (XXV IRSO)
- 2016, 3rd Congress of Iranian Society of Cataract and Refractive surgery (IrSCRS) Isfahan
- 2016, Controversies in Ophthalmology, IUMS

2016, Imaging in Ophthalmology, MUMS

2016, 26th Congress of Iranian Society of Ophthalmology (XXVI IRSO)

2017...

2018, XXVI Annual Seminar of Tabriz Ophthalmology Department, and 5th annual meeting of Iranian Society of Cornea and Refractive Surgeons, Tabriz

2018, 29th IRSO, Tehran

2018, Cataract surgery NEWS, Isfahan

2019, Isfahan Ophthalmic Society conference on Ocular Infections, Isfahan

Reviewing Activities

Journal of Research in Medical Science (JRMS), Member of editorial board, **Section editor** and active reviewer

Journal of Advanced Biomedical Research (ABR), Active reviewer of ophthalmology section

Journal of Medical Signal & Sensors (JMSS), Active reviewer

Journal Isfahan Medical School (JIMS), Member of editorial board

International Journal of Ophthalmic Research (IJOR), Member of editorial board

Journal of Current Ophthalmology, **Section editor**

Journal of Ophthalmic and Vision Research (JOVR), Active reviewer

BMC Ophthalmology journal, reviewer

Journal of Refractive Surgery, Reviewer

Professional Experience

2000 to 2002

General practitioner, Khansar health center, Isfahan University of Medical Sciences

2006 to 2008

Ophthalmologist, Feridan Rajai hospital, Isfahan University of Medical Sciences

2009 to present

Academic member, Department of Ophthalmology, Isfahan University of Medical Sciences

2011 to 2020

Scientific supervisor of ophthalmology emergency department, Feiz hospital

2011 to present

Part time academic member of Isfahan Ophthalmology Research Center

2011 to present

Vice-chair for research, Department of Ophthalmology, Isfahan University of Medical Sciences

2013 to present

Ophthalmology expert for medico-legal claims in Iranian Medical Council

2014 to present

Member of Research Committee, Faculty of Medicine, Isfahan University of Medical Sciences

Section editor JRMS

2014 to present

Member of medical documentation improvement committee of Feiz Medical Center

2015 to present

Section Editor “Journal of Current Ophthalmology”

2016 to present

Vice-chair for research, Feiz Hospital, Isfahan, Iran

2016 to 2020

Vice-chair of EDO (educational development office), Feiz Hospital, Isfahan, Iran

2020 to present

Member of the board of directors of Isfahan Ophthalmology Society

2021 to present

Member of the board of directors of Isfahan University of Medical Sciences Faculty Members Club

Teaching Experience

2000 to 2002

Instructor: Public health for general practitioners at Khansar health network

2000 to 2002

Instructor: Introduction to clinical medicine (ICM) for medical students, Isfahan University of Medical Sciences

2009 to present

Faculty member, Ophthalmology department, Isfahan University of Medical Sciences

2007 to present

Teaching at post-graduate CME conferences for ophthalmologist and general practitioners

2015 to present

International fellowship training in cornea and anterior segment: ICO Fellowship Host & Training Center

http://www.icoph.org/refocusing_education/fellowships/fellowship_host_directory/fellowship_host_detail/139/Alireza-PEYMAN-MD.html

2021 to present

International fellowship training in cornea and anterior segment: IOFF Fellowship Host & Training Center

<https://ioff.org/information-download/host-network/>

Designed training aids

2002, Ophthalmology Examination guide

2005, Eye Strabismus Simulator for PC

2005, Hess/Lancaster dissimilar image test

2004, Amsler Grid

2004, Near Snellen Chart

2004, Worth four dot test for PC

2005, SRK/T IOL power calculator for PC

2005, SRK/II IOL power calculator for PC

2005, Astigmatic Vector Analysis software

2003. Ophthalmology collection on CD

2005, Ophthalmology offline content CD

2007, SRK/T and SRK/II calculator For Mobile

2007, Astigmatism vector analysis for mobile

2007, Ishihara color vision test for mobile

2008, Professional Ophthalmology calculator

2008, Ophthalmology Software & EBook DVD collection

Honors and Awards

2004 First Prize for poster presentation (IRSO Congress)

2007 Newsmaker: OSN Supersite breaking NEWS (European Society of cataract and refractive surgery)

2003 Red Cross & Red Crescent acknowledgment for volunteer activity

2003 First degree medal in national medical students sports Olympiad

Research projects

- The Correlation between Stereoacuity and Corneal Topographic Findings(2022).
- Posterior Pseudo-Lenticulus Sign in a Patient with Nipple Cone Keratoconu (2022).
- Efficacy of pilocarpine 1% in pseudophakic individuals with presbyopia(2022).
- Intraocular lens (IOL) power calculation prediction error with artificial intelligence-based (AI-based) formulae Vs Regression-theoretical formulae(2021).

- Evaluation of risk factors of recurrent epithelial erosion after PRK(2021).
- Establishment registry of the keratoconus in Isfahan-Iran(2021).
- Influence of the Difference Between Reliactive and Keratometric Astigmatism on photorefractive Keratectomy (PRK) outcomes in patients who referred to Feiz Hospital and parsian clinic, Isfahan, 2018(2021).
- Influence of the Difference Between Reliactive and Keratometric Astigmatism on photorefractive Keratectomy (PRK) outcomes in patients who referred to Feiz Hospital and parsian clinic, Isfahan, 2018(2021)
- Laser refractive surgery for residual refractive error after radial keratectomy: a systematic review(2021).
- Prevalence of keratoconus in 4 to 21 years old in Isfahan, Iran. Global Prevalence of Keratoconus(2021).
- Assessment of coronavirus in tears and conjunctival secretions A systematic review and meta-analysis(2021).
- Association of dry eye disease and atmospheric level of PM2.5 in Isfahan residents(2021).
- Evaluation of astigmatism induced by intraocular lens after uncomplicated phacoemulsification for treatment of cataract(2021).
- Evaluation of cornea epithelial thickness in normal eyes and patients with keratoconus(2021).
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