

In The Name Of GOD

Curriculum Vitae

Mehrdad Afarid, M.D.



Place of birth: Iran

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CURRENT POSITION

- Full professor of Ophthalmology, Shiraz University of Medical Sciences, Shiraz, Iran

EDUCATION

• 1990-1994	Tohid Public Exemplary schools
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• 1994-2001	Doctor of Medicine (M. D) with honor Shiraz University of Medical Sciences, Shiraz, Iran
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• 2001-2005	Resident of Ophthalmology, with honor Shiraz University of Medical Sciences, Shiraz, Iran
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• 2008-2009	tire retin Fellowship course in Shiraz University of Medical Sciences
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• 2008-2012	Assistant professor of Ophthalmology, Shiraz University of Medical Sciences, Shiraz, Iran
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• 2012-2022	Associate professor of Ophthalmology, Shiraz University of Medical Sciences, Shiraz, Iran
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• 2022-present	Full professor of Ophthalmology, Shiraz University of Medical Sciences, Shiraz, Iran
• 2015-2017	MPH Course

HONNER & AWARDS

• 1994	Elected student in National Olympiad of Chemistry
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• 1994	Double-digit rank in Iranian Nationwide B.Sc. Entrance Exam
• 1994	First rank in pre-intern exam among Shiraz University of Medical Sciences students
• 1994	1rd rank among Shiraz University of Medical Sciences Medical students
• 2005	Admitted to the board examination in Ophthalmology
• 2005	Member of Educational Faculty of Fasa University of medical science
• 2005	Head of Fasa University of medical science
• 2007	Upgrade Fasa College to University During the headship
• 2008	Admitted to the Fellowship and tire retin course in Shiraz University of Medical Sciences
• 2008	Member of Educational Faculty of shiraz University of medical science
• 2012	Upgrade from Assistant to Associate professor of Ophthalmology
• 2014	elected Member of Educational Faculty of shiraz University of medical science

ADMINISTRATIVE RESPONSIBILITIES

• 2005	Faculty Member of Fasa University of medical science
• 2005	Head of Fasa University of medical science

• 2008	Faculty Member of Shiraz University of medical science
• 2009-2011	Educational vice chancellor of Ophthalmology Department
• 2014-present	Educational vice chancellor of MPH Department of Shiraz University of medical science
• 2015-present	vice chancellor of Research of MPH Department of Shiraz University of medical science
• 2015-present	Head of transformation plan in the educational system in University of medical science
• 2019-present	Dean of Poostchi Ophthalmology Research Center

PUBLICATIONS

Theses

Medical Doctor, 2001

Survey Esophageal, gastric and duodenal diseases in patients with migraine headache and compare it with people without migraine headaches in the population over 15 years old, the village of Kazeroun in August 1999.

Ophthalmology specialty, 2005

Evaluation of sensitivity of TNO, titmus and randot stereo tests for screening of amblyopia in 6-12 years old children.

Thesis with medical students

❖ 2023	Evaluation of endophthalmitis after intravitreal injection of anti-vascular endothelial growth factor (anti- VEGF) drugs in patients referred to Khalili hospital between April 2022 to 2023	Dr.Eghtedari D
❖ 2020	Evaluating the effects of interferon alpha γ b on the genes involved in cellular apoptosis in the retinal pigmented epithelium in cell culture medium	Dr.Bahari H.
❖ 2020	evaluation of the effect of Garlic tablet as a complementary treatment of macular edema of patient with diabetic retinopathy in comparison with placebo, double blind randomized placebo controlled clinical trial	Dr. Sadeghi E.
❖ 2018	Evaluation of the Changes in the OCT angiography after the Intra Vitreal Injection of Bevacizumab in diabetic Patients with Clinically Significant Macular Edema	Dr.Ghazanfari A.
❖ 2017	Assessment of macular findings by OCT angiography and multifocal ERG in patients with type 2 diabetes without any clinical signs of diabetic retinopathy in shiraz university of medical sciences	Dr.Mohsenipour N.
❖ 2017	Evaluation of cigarret smoking,water pipe smoking and substance abuse in patients with retinal vein occlusion	Dr. Azadi M.
❖ 2016	Evaluation of cognitive disorders in patients with age related macular degeneration	Dr. Rezaie H.
❖ 2016	Assessment of the serum level of interferon gamma in patients with diabetic retinopathy visited in retina clinics of Shiraz University of medical sciences in 1393-94	Dr. Heidari M.
❖ 2016	Evaluation of vitamin D deficiency in patients with diabetic retinopathy	Dr. Ghatavi N.
❖ 2016	Evaluation of vit D deficiency in patients with age related	Dr. Vahabipour S.

	macular degeneration	
❖ 2016	Comparing the serum level of alpha, beta, and gamma interferons in patients with age related macular degeneration with control group	Dr. Azimi A.
❖ 2016	Evaluation of the effect of topical interferon α 2b as a complementary treatment of macular edema of patients with diabetic retinopathy in comparison with placebo, double blind randomized placebo controlled clinical trial	Dr. MashksarA.
❖ 2015	Evaluation of serum leptin in patients with diabetic retinopathy	Dr. Atarzadeh A.
❖ 2014	To Evaluate the effect of Intravitreal injection of interferon alfa-2b in endotoxin-induced uveitis in animal model	Dr. Lashkarizadeh Bami H.
❖ 2015	Assessment of the serum level of interferon alpha in patients with diabetic retinopathy visited in retina clinics of Shiraz University of medical sciences in 1393-94	Dr. Poursabagh P.
❖ 2012	Analysis of the relationship between retinopathy and cardiovascular disease in diabetics in university of Shiraz medical school during 1389-1390	Dr. Abolfathi Momtaz E.

RESEARCH PROJECT

• 2013	Laser Therapy Results for Preterm Neonatal Retinopathy in Southern Iran between 2011-2013
• 2013	Reporting Infection (endophthalmitis) following intravaginal injection of bevacizumab in the Center for Ophthalmology between 2011-2013

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- 2012 Surveillance of serum cerebral neurotrophic factor in patients with advanced age-related macular degeneration
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BOOK / BOOK CHAPTERS

1. Afarid M, Asadi M, Afarid M, Javid H. Ocular manifestations of rheumatologic disorders. 1th ed. Shahd Sokhan Publications. 2015.
2. Asadi M, Afarid M. Medical aspects of fasting. 1th ed. payegan Publications. 2007.

Peer-reviewed Publications

1. Amirmoezzi Y, Ghofrani-Jahromi M, Parsaei H, *Afarid M*, Mohsenipoor N. An Open-source Image Analysis Toolbox for Quantitative Retinal Optical Coherence Tomography Angiography. J Biomed Phys Eng. 2024;14(1):31-42.
2. *Afarid M*, Azimi A, Meshksar A, Sanie-Jahromi F. Interferons in vitreoretinal diseases; a review on their clinical application, and mechanism of action. Int Ophthalmol. 2024;44(1):223.
3. *Afarid M*, Bahari H, Sanie-Jahromi F. In Vitro Evaluation of Apoptosis, Inflammation, Angiogenesis, and Neuroprotection Gene Expression in Retinal Pigmented Epithelial Cell Treated with Interferon α -2b. J Interferon Cytokine Res. 2023;43(7):299-306.
4. Heydari M, Zare M, Badie MR, Watson RR, Talebnejad MR, *Afarid M*. Crocin as a vision supplement. Clin Exp Optom. 2023;106(3):249-56.
5. Sanie-Jahromi F, Zia Z, *Afarid M*. A review on the effect of garlic on diabetes, BDNF, and VEGF as a potential treatment for diabetic retinopathy. Chinese Medicine. 2023;18(1):1-14.

6. *Afarid M*, Mahmoodi S, Baghban R. Recent achievements in nano-based technologies for ocular disease diagnosis and treatment, review and update. *Journal of Nanobiotechnology*. 2022;20(1):1-36.
7. *Afarid M*, Mohsenipoor N, Parsaei H, Amirmoezzi Y, Ghofrani-Jahromi M, Jafari P, et al. Assessment of macular findings by OCT angiography in patients without clinical signs of diabetic retinopathy: radiomics features for early screening of diabetic retinopathy. *BMC ophthalmology*. 2022;22(1):1-9.
8. Heiran A, Azarchehry SP, Dehghankhalili S, *Afarid M*, Shaabani S, Mirahmadizadeh A. Prevalence of diabetic retinopathy in the Eastern Mediterranean Region: a systematic review and meta-analysis. *Journal of International Medical Research*. 2022;50(10):03000605221117134.
9. *Afarid M*, Sadeghi E, Johari M, Namvar E, Sanie-Jahromi F. Evaluation of the effect of garlic tablet as a complementary treatment for patients with diabetic retinopathy. *Journal of Diabetes Research*. 2022;2022.
10. Namvar E, Moallem M, *Afarid M*, Bolkheir A. Comparison of Endogenous Endophthalmitis in Patients with and Without COVID-19 Infection. *Journal of ophthalmology*. 2022;2022.
11. Heydari, M., M. Zare, M. R. Badie, *Afarid M.*, et al. "Crocine as a vision supplement." *Clinical and Experimental Optometry*: 2022: 1-8.
12. Amirmoezzi Y, Ghofrani-Jahromi M, Parsaei H, *Afarid M*, Mohsenipoor N. An Open-source Image Analysis Toolbox for Quantitative Retinal Optical Coherence Tomography Angiography. *Journal of Biomedical Physics and Engineering*. 2021.
13. Baghban R, *Afarid M*, Soleymani J, Rahimi M. Were magnetic materials useful in cancer therapy? *Biomedicine & Pharmacotherapy*. 2021;144:112321.
14. *Afarid M*, Sanie-Jahromi F. Mesenchymal Stem Cells and COVID-19: Cure, Prevention, and Vaccination. *Stem Cells Int*. 2021;2021:6666370.
15. *Afarid M*, Sanie-Jahromi F. Potential neuroprotective biomolecules in ophthalmology. *Int. Ophthalmol*. 2021;41(3):1103-9.

16. Shenavandeh S, *Afarid M*, Hasanaghahi T, Nazarinia MA. Prevalence of retinal changes in patients with systemic sclerosis: the association between retinal vascular changes and nailfold capillaroscopic findings. *Reumatologia*. 2021;59(1):27-34.
17. *Afarid M*, Molavi Vardanjani H, Mahdaviyazad H, Alamolhoda M, Farahangiz S. Visual Impairment Prevalence, Causes, and Role of Healthcare Access: A Systematic Review and Meta-Analysis in Iran. *J ophthalmol*. 2020;2020:4710328.
18. *Afarid M*, Namvar E, Fatemeh Sanie-Jahromi . Diabetic Retinopathy and BDNF: A Review on Its Molecular Basis and Clinical Applications. *J Ophthalmol*. 2020 May 18;2020:1602739.
19. *Afarid M*, Meshksar A, Salehi A, Safarpour MM. Evaluation Of The Effect of Topical Interferon A 2b As A Complementary Treatment of Macular Edema of Patients With Diabetic Retinopathy: A Double-Blind Placebo-Controlled Randomized Clinical Trial *Retina*. 2020 40 (5), 936-942.
20. *Afarid M*, Ghattavi N, Johari Mk. Serum Levels of Vitamin D in Diabetic Patients With and Without Retinopathy. *J Ophthalmic Vis Res*. 2020 Apr 6;15(2):172-177.
21. Shirvani M, Hosseini S, Maalagh M, *Afarid M*, Mirza-Khanloo A, Mohaghegh S. Unilateral endogenous Candida endophthalmitis after extracorporeal shock wave lithotripsy for a renal stone in an immunocompetent woman: a case report. *J Ophthalmic Inflamm Infect*. 2019 Feb 20;9(1):5.
22. Eghtedari M, *Afarid M*, Ashraf H, Maalagh M. Choroidal changes after intravitreal injection of interferon alpha-2b. *Exp Biol Med (Maywood)*. 2019 Oct;244(14):1144-1148.
23. *Afarid M*, Azimi A, Malekzadeh M. Evaluation of serum interferons in patients with age-related macular degeneration. *J Res Med Sci*. 2019 Mar 25;24:24.
24. Farvardin M, *Afarid M*, Attarzadeh A, Johari MK, Mehryar M, Nowroozzadeh MH, Rahat F, Peyvandi H, Farvardin R, Nami M. The Argus-II Retinal Prosthesis Implantation; From the Global to Local Successful Experience. *Front Neurosci*. 2018 Sep 5;12:584.

25. *Afarid M*, Attarzadeh A, Farvardin M, Ashraf H. The Association of Serum Leptin Level and Anthropometric Measures With the Severity of Diabetic Retinopathy in Type 2 Diabetes Mellitus. *Med Hypothesis Discov Innov Ophthalmol*. 2018 Winter;7(4):156-162.
26. S Bagheri, B Dormanesh, *M Afarid*, MM Sagheb. Proteinuria and renal dysfunction after intravitreal injection of bevacizumab in patients with diabetic nephropathy: a prospective observational study. *Galen Medical Journal* 7, 1299.
27. *Afarid M*, Sadegi Sarvestani A, Rahat F, Azimi A. Intravitreal Injection of Bevacizumab: Review of our previous Experience. *Iran J Pharm Res*. 2018 Summer;17(3):1093-1098.
28. Ansari M, Mosalaei A, Ahmadloo N, Rasekhi A, Geramizadeh B, Razmkon A, Anvari K, *Afarid M*, Dadras A, Nafarieh L, Mohammadianpanah M, Nasrolahi H, Hamed SH, Omidvari S, Nami M. A comprehensive approach in high-grade glioma management: position statement from the Neuro-Oncology Scientific Club (NOSC), Shiraz, Iran. *Ger Med Sci*. 2017 Feb 28;15:Doc05.
29. *Afarid M*, Nowroozzadeh MH, Rahat F, Kamran K, Sharifi F. Transpupillary Diode Laser Retinal Photocoagulation for the Treatment of Retinopathy of Prematurity: Experience in Southern Iran. *Iran J Med Sci*. 2016 Jan;41(1):73-4.
30. *Afarid M*, Lashkarizadeh H, Ashraf MJ, Nowroozzadeh MH, Shafiee SM. The efficacy of intravitreal interferon alpha-2b for the treatment of experimental endotoxin-induced uveitis. *Indian Journal of Ophthalmology*. 2016; 64(5):376-81.
31. *Afarid M*, Torabi-Nami M, Zare B. Neuroprotective and restorative effects of the brain-derived neurotrophic factor in retinal diseases. *Journal of the Neurological Sciences*. 2016; 363:43-50.
32. Anvari K, Fazl Ersi M, Etemad-Rezaie H, Nekooie S, Arbabi F, Ganjeifar B, Bidouei F, Nikkhah K, *Afarid M*, Torabi-Nami M. P21. 04 Clinical pathway in glioma management; from NOSC (Neuro-Oncology Scientific Club) meetings to bedside practice. 2016; iv81-iv82.

33. *Afarid M*, Torabi-Nami M, Nemati A, Khosravi A, Malekzadeh M. Brain-derived neurotrophic factor in patients with advanced age-related macular degeneration. *International Journal of Ophthalmology*. 2015; 8(5):991-5.
34. Javadi MA, Assadi M, Einollahi B, Rabei HM, *Afarid M*. The effects of Ramadan fasting on the health and function of the eye. *Journal of Research in Medical Sciences*. 2014; 19(8):
35. Farvardin M, *Afarid M*, Shahrzad S. Long-term effects of intravitreal infliximab for treatment of sight-threatening chronic noninfectious uveitis. *Journal of Ocular Pharmacology and Therapeutics*. 2012; 28(6):628-31.
36. Mehdizadeh M, Lotfi M, Ghoddusi-Johari H, Ghassemifar V, *Afarid M*. Blood flow parameters of the central retinal and internal carotid arteries in asymmetric diabetic retinopathy. *Journal of Ophthalmic and Vision Research*. 2012; 7(4):295-9.
37. *Afarid M*, Hosseini H, Abtahi B. Screening for retinopathy of prematurity in South of Iran. *Middle East African Journal of Ophthalmology*. 2012; 19(3):277-81.
38. Ashraf H, *Afarid M*, Jamshidian M. Comparison of intraoperative retinal break formation during standard 20-gauge and 23-gauge sutureless vitrectomy systems. *Iranian Journal of Ophthalmology*. 2012; 24(3):27-32.
39. Assadi M, Akrami A, Beikzadeh F, Seyedabadi M, Nabipour I, Larijani B, *Afarid M*, Seidali E. Impact of ramadan fasting on intraocular pressure, visual acuity and refractive errors. *Singapore Medical Journal*. 2011; 52(4):263-6.
40. Mehdizadeh M, *Afarid M*, Haghghi MS. Retinal redetachment after cataract surgery in eyes with previous scleral buckling. *Journal of Ophthalmic and Vision Research*. 2011; 6(1):73-5.
41. Farvardin M, *Afarid M*, Mehryar M, Hosseini H. Intravitreal infliximab for the treatment of sight-threatening chronic noninfectious uveitis. *Retina*. 2010; 30(9):1530-5.
42. Mehdizadeh M, *Afarid M*, Haqiqi MS. Risk factors for giant retinal tears. *J Ophthalmic Vis Res*. 2010 Oct; 5(4):246-9.
43. Ashraf H, *Afarid M*, Sahab S. Medical Follow-Ups of Patients with Diabetic Retinopathy. *Ismj*. 2010; 13(4):280-6.

44. Farvardin M, *Afarid M*. Evaluation of stereo tests for screening of amblyopia. Iranian Red Crescent Medical Journal. 2007; 2007(2):5-0.
45. Mehdizadeh M, *Afarid M*, Attarzadeh A. Causes of childhood blindness among students of blinds' school in Shiraz, Iran. Iranian Journal of Medical Sciences. 2005; 30(2):55-8.
46. Jahadi HR, *Afarid M*, Razeghinejad MR, Alborzi A, Obudi B, Rasekhi AR, Bagheri Lankarani K, Yazdchi T. Relationship between Helicobacter pylori and Open-angle Glaucoma. Journal of Medical Research (JMR). 2003; 2(2):25-32.

ABSTRACTS

1. *Afarid M*. Free Papers: Posterior Segment. XXVI Annual Congress of the Iranian Society of Ophthalmology. Razi Convention Center, Tehran, Iran, and 12 – 15 Dec, 2016.
2. *Afarid M*. Serum Levels of Interferon in Patients with Age Related Macular Degeneration. XXIV Annual Congress of the Iranian Society of Ophthalmology. Tehran, Iran, 1-4 Dec, 2014.
3. *Afarid M*. Brain-Derived Neurotrophic Factor in Patients with Advanced Age-Related Macular Degeneration. XXIV Annual Congress of the Iranian Society of Ophthalmology. Tehran, Iran, 1-4 Dec, 2014.
4. *Afarid M*. Transpupillary Diode Laser Retinal Photocoagulation for the Treatment of Retinopathy of Prematurity: Experience in South of Iran. XXIV Annual Congress of the Iranian Society of Ophthalmology. Tehran, Iran, 1-4 Dec, 2014.
5. *Afarid M*. The Efficacy of Intravitreal Interferon Alpha-2b for the Treatment of Experimental Endotoxin-Induced Uveitis. XXIV Annual Congress of the Iranian Society of Ophthalmology. Tehran, Iran, 1-4 Dec, 2014.
6. *Afarid M*. Degeneration Brain-Derived Neurotrophic Factor in Patients with Advanced Age-Related Macular. XXIV Annual Congress of the Iranian Society of Ophthalmology. Tehran, Iran, 1-4 Dec, 2014.

7. *Afarid M.*: Transpupillary Diode Laser Retinal Photocoagulation for the Treatment of Retinopathy of Prematurity Experience in South of Iran. XXIV Annual Congress of the Iranian Society of Ophthalmology. Tehran, Iran, 1-4 Dec, 2014.
8. *Afarid M.* Bevacizumab Injection in South of Iran, a Report of post injection Endophthalmitis. XXIII Annual Congress of the Iranian Society of Ophthalmology .Tehran, Iran, Oct 28-31, 2013.
9. *Afarid M.* Bivacizumab injection in south of Iran, a report of post injection endophthalmitis. XXIII Annual Congress of the Iranian Society of Ophthalmology .Tehran, Iran, Oct 28-31, 2013.
10. *Afarid M.* Changes of intraocular pressure after endoscopic cyclophotocoagulation in patients with diabetic neovascular glaucoma .XXII annual congress of the Iranian society of ophthalmology .Tehran, Iran, 29 Oct-1 Nov, 2012.
11. *Afarid M.* Early results of mixed hyperopic astigmatism treatment by advanced femtolasik .XXII annual congress of the Iranian society of ophthalmology .Tehran, Iran, 29 Oct-1 Nov, 2012.
12. *Afarid M.* Interviteal infliximab for treatment of sight threatening chronic noninfectious uveitis. 19th Iranian congress of ophthalmology. Tehran, Iran, 2009.
13. *Afarid M.* Causes of childhood blindness among student of blindnes' school in Shiraz Iran. 14th Iranian congress of ophthalmology .Tehran, Iran, December 15-18, 2004.

PRESENTATIONS

1. *Afarid M.* Evaluation of vitamin D deficiency in type 2 diabetic patients with and without retinopathy. XXVII Annual congress of the Iranian society of Ophthalmology. Razi Convention Center, Tehran, Iran, 4-7 Dec, 2017.

3. *Afarid M* .Evaluation of interferon gamma in patients with diabetic retinopathy. XXVII Annual congress of the Iranian society of Ophthalmology. Razi Convention Center, Tehran, Iran, 4-7 Dec, 2017.
4. *Afarid M* .Evaluation of vitamin D deficiency in patients with age related macular degeneration. XXVII Annual congress of the Iranian society of Ophthalmology. Razi Convention Center, Tehran, Iran, 4-7 Dec, 2017.
5. *Afarid M* . Visual Rehabilitation. XXVII Annual congress of the Iranian society of Ophthalmology. Razi Convention Center, Tehran, Iran, 4-7 Dec, 2017.
6. *Afarid M* . Childhood retinal diseases.23th Seminar of Ophthalmology in Shiraz. Shiraz, Iran, 15-17 April, 2015.
7. *Afarid M* . Medical Management of endophthalmitis.22th Seminar of Ophthalmology in Shiraz. Shiraz, Iran, 15-May, 2014.
8. *Afarid M* . Bilateral simultaneous cataract operation, Seminar of Ophthalmology in Shiraz. Shiraz, Iran, May, 2013.
9. *Afarid M* . Screening of retinopathy of prematurity. Seminar of Ophthalmology in Shiraz. Shiraz, Iran, May, 2013.
10. *Afarid M* . Bevacizumab injection in south of Iran, a report of post injection endophthalmitis. XXIII Annual congress of the Iranian society of Ophthalmology. Razi Convention Center, Tehran, Iran, 28-30 Oct, 2013.

LIVE SURGERY

1. XXVII Annual congress of the Iranian society of Ophthalmology. NOOR EYE HOSPITAL, Tehran, Iran, 8 Dec, 2017.
Subject: Artificial Retina (Arguss II) Implantation.
Moderators: Farvardin M, Behnia M.
Surgeons: Farvardin M, Rahat F, Aharzadeh A.
Panelists: Mehryar M, Ashraf H, Noroozadeh MH, *Afarid M*.