

Name: Mozghan Rezaei Kanavi

Degree: MD, Specialist in Ophthalmology, Subspecialty in Ocular Pathology

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Fields of Activity: Ocular Pathology, Confocal Scanning, Impression Cytology, Cell Culture, Ocular Tissue Engineering, Regenerative Ophthalmology, Translational Ophthalmic Research

Certificates:

- Medical Doctorate at the Shahid Beheshti University of Medical Sciences, Tehran, Iran
 - Board Certificate in Ophthalmology at the Shahid Beheshti University of Medical Sciences, Tehran, Iran
 - Fellowship in Ocular Pathology at the University College of London in UK and then at the University of Wisconsin-Madison in the USA.
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Academic Position:

- Associate Professor of Ophthalmology and Ophthalmic Pathology, Ophthalmic Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran (January 2012-2014); Ocular Tissue Engineering Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2014 so far)
 - Assistant Professor of Ophthalmology and Ophthalmic Pathology, Ophthalmic Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran (September 2005-December 2011)
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Executive Appointments:

- Specialized and Technical Manager, Central Eye Bank of Iran, March 2003 so far
- Supervisor of the Cellular and Molecular Laboratory, Ophthalmic Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2010-2014)
- Head of Ocular Tissue Engineering Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran (August 2013 so far)
- Supervisor of the Ocular Pathology Laboratory Unit, Central Eye Bank of Iran, Tehran, Iran (July 2003 thus far)

- Supervisor Ocular Microbiology and Corneal Confocal Scan Unit, Central Eye Bank of Iran, Tehran, Iran (May 2004 thus far)
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Membership:

- McPherson Eye Research Institute
 - Association for Research in Vision and Ophthalmology
 - American Academy of Ophthalmology
 - British Association for Ophthalmic Pathology, 2003 so far
 - Iranian Society of Ophthalmology, 1998 so far
 - Iranian Research Association for Vision and Ophthalmology, 2011 so far
 - American Association of Ophthalmic Oncologists and Pathologists, 2012 so far
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Interest:

- Exercise (Hiking, Yuga)
 - Research subjects
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Awards and Honors:

- 15th Abourihan Birouni Research Festival Award (2015) for distinguished associate professor researcher in the field of clinical education
- Granted for a distinguished research project in the field of visual sciences in the 5th Iranian Research Association for Vision and Ophthalmology, 2015
- 16th Razi Research Festival of Medical Sciences Award (2011) for distinguished assistant professor researcher in the field of clinical sciences
- 5th Abourihan Birouni Research Festival Award (2006) for my research accomplishments in the novel area of Sensitivity and Specificity of Confocal Scan in the Diagnosis of Infectious Keratitis
- Festival Medical Sciences Academy Award (2011-2012) for my contribution in the research entitled Loss of Function Mutations in the Gene Encoding latent Transferring Growth factor Beta Binding Protein 2, LTBP2 Cause Primary Congenital Glaucoma.
- Distinguished Medical Research Project in Basic Vision Science at the Annual Congress of the Iranian Society of Ophthalmology, Tehran 2009 (Novel PITX2 isoform observed in trabecular meshwork cells)
- Distinguished Medical Research Projects in Basic Vision Science at the Annual Congress of the Iranian Society of Ophthalmology, Tehran 2010 (Microstructure of internal limiting membrane and epiretinal membrane in central retinal vein occlusion)

- Research scholarship as an international fellow at the Department of Ophthalmology and Visual Sciences, University of Wisconsin (UW), School of Medicine and Public Health, 2012-2013
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Editorial Work:

- Scientific Editorial Board Member, Journal of Ophthalmic and Vision Research, 2006 so far
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Publications:

1. Javadi F, Kheiri B, Rezaeian Akbarzadeh A, **Rezaei Kanavi M**. Thickness Profile of Donated Corneas Preserved in Optisol-GS versus Sinasol: An Ex-vivo Study. *J Ophthalmic Vis Res*. 2023 Nov 30;18(4):379-385. doi: 10.18502/jovr.v18i4.14546. PMID: 38250235; PMCID: PMC10794802.
2. Javadi F, Khorrami Z, Ashrafi S, Abolhosseini M, **Kanavi MR**, Safi S. Donor Risk Factors and Environmental Conditions Associated With Poor-Quality Corneas: An Analysis of the Central Eye Bank of Iran (2018-2021). *Cornea*. 2023 Nov 28. doi: 10.1097/ICO.0000000000003429. Epub ahead of print. PMID: 38016033.
3. Safi S, Ahmadzade M, Karimi S, Akbari ME, Rouientan H, Abolhosseini M, **Rezaei Kanavi M**, Khorrami Z. A registration trend in eyelid skin cancers and associated risk factors in Iran, 2005-2016. *BMC Cancer*. 2023 Sep 30;23(1):924. doi: 10.1186/s12885-023-11414-z. PMID: 37777736; PMCID: PMC10543867.
4. Hassanpour K, Langari F, Akbarzadeh AR, **Kanavi MR**, Barani M, Kheiri B, Karimian F, Ahmadieh H, Sadoughi MM. Safety and Efficacy of Topical Vitamin D in the Management of Dry Eye Disease Associated With Meibomian Gland Dysfunction: A Placebo-Controlled Double-Blind Randomized Controlled Trial. *Cornea*. 2023 Oct 9. doi: 10.1097/ICO.0000000000003400. Epub ahead of print. PMID: 37815305.
5. Feizi S, **Rezaei Kanavi M**, Abolhosseini M, Moshtaghion S-M, Esfandiari H. Risk of Induction of Corneal Neovascularization with Topical Erythropoietin: An Animal Safety Study. *JOVR* 2023;18(3):252–259.
6. Zand A, Ghasemi Falavarjani K, Rezaei Kanavi M, Habibi A, Anvari P, Alemzadeh SA. Ocular safety of intravitreal ethylene diamine tetra acetic acid (EDTA): An experimental feasibility study. *Toxicology Reports* 2023 (10):463-468. doi.org/10.1016/j.toxrep.2023.04.002.
7. Essalat M, Abolhosseini M, Le TH, Moshtaghion SM, **Kanavi MR**. Interpretable deep learning for diagnosis of fungal and acanthamoeba keratitis using in vivo confocal microscopy images. *Sci Rep*. 2023 Jun 2;13(1):8953. doi: 10.1038/s41598-023-35085-9. PMID: 37268665; PMCID: PMC10238502.

8. Zolfaghari N, Soheili ZS, Samiei S, Latifi-Navid H, Hafezi-Moghadam A, Ahmadi H, **Rezaei-Kanavi M**. microRNA-96 targets the INS/AKT/GLUT4 signaling axis: Association with and effect on diabetic retinopathy. *Heliyon*. 2023 Apr 18;9(5):e15539. doi: 10.1016/j.heliyon.2023.e15539. PMID: 37180885; PMCID: PMC10172874.
9. Abolhosseini M, Khorrami Z, Safi S, Akbari ME, Moshtaghion SM, Mohammadi SF, **Kanavi MR**, Karimi S. Publisher Correction: A joinpoint and age-period-cohort analysis of ocular cancer secular trends in Iran from 2004 to 2016. *Sci Rep*. 2023 Feb 14;13(1):2619. doi: 10.1038/s41598-023-29520-0. Erratum for: *Sci Rep*. 2023 Jan 19;13(1):1074. PMID: 36788247; PMCID: PMC9929222.
10. Hasanpour H, Kenney MC, Kuppermann BD, Esfahani MR, **Kanavi MR**, Singh MK, Soheilian M. Vitreal Concentrations of Vascular Endothelial Growth Factor in Patients with Rhegmatogenous Retinal Detachment. *J Clin Med*. 2023 Feb 5;12(4):1259. doi: 10.3390/jcm12041259. PMID: 36835796; PMCID: PMC9961416.
11. Moshtaghion SM, Abolhosseini M, Yaseri M, Hosseini SB, **Kanavi MR**. Diagnostic accuracy of confocal scan in detecting acanthamoeba keratitis and fungal keratitis: a systematic review and meta-analysis. *Int Ophthalmol*. 2023;43(8):3011-3022. PMID: 36977847.
12. Hassanpour K, **Rezaei Kanavi M**, Daftarian N, Samaeili A, Suri F, Pakravan M, Doozandeh A, Afsar Aski S, Fakhri M, Moghaddasi A, Ahmadi H, Esfandiari H. The Inhibitory Effect of Connective Tissue Growth Factor Antibody on Postoperative Fibrosis in a Rabbit Model of Trabeculectomy. *JOVR [Internet]*. 2022Nov.24 [cited 2022Dec.17];17(4):486–496. Available from: <https://knepublishing.com/index.php/JOVR/article/view/12300>
13. Mohamadmehti Moshtaghion S, Abolhosseini M, Kheiri B, Ali Javadi M, Ziaee Ardakani L, **Rezaei Kanavi M**. Eye Bank Records on Pediatric Keratoplasty. *J Ophthalmic Vis Res*. 2022 Aug 15;17(3):324-337. doi: 10.18502/jovr.v17i3.11569. PMID: 36160095; PMCID: PMC9493424.
14. Darbari E, Ahmadi H, Daftarian N, **Rezaei Kanavi M**, Suri F, Sabbaghi H, Elahi E. Mutation Screening of Six Exons of ABCA4 in Iranian Stargardt Disease Patients. *J Ophthalmic Vis Res*. 2022 Jan 21;17(1):51-58. doi: 10.18502/jovr.v17i1.10170. PMID: 35194496; PMCID: PMC8850862.
15. Bagheri A, Rikhtegar H, **Rezaei Kanavi M**. Epibulbar solitary myofibroma in an elderly patient: a case report. *Orbit*. 2022 Aug;41(4):514-516. doi: 10.1080/01676830.2021.1895844. Epub 2021 Mar 9. PMID: 33719854.
16. Safdari B, **Rezaei-Kanavi M**, Mishan MA, et al. Augmented Expression of NOGO-A and Its Receptors in Human Retinal Pigment Epithelial Cells Following Treatment with Human Amniotic Fluid. *Iranian Journal of Public Health*. 2022 Jul;51(7):1658-1666. DOI: 10.18502/ijph.v51i7.10100. PMID: 36248281; PMCID: PMC9529728.

17. Jozaei R, Javadi MA, Safari I, Moghaddasi A, Feizi S, **Rezaei Kanavi M**, Najafi S, Safdari B, Salahshourifar I, Elahi E, Suri F. Genetic screening of TGFBI in Iranian patients with TGFBI-associated corneal dystrophies and a metaanalysis of global variation frequencies. *Ophthalmic Genet* 2022 Apr 26;1-4. doi: 10.1080/13816810.2022.2068040. Online ahead of print.
18. Bagheri A, Gozin M, Veisi A, **Rezaei Kanavi M**. Huge heterotopic brain cyst of the orbit: report of a case and its management. *Orbit* 2022 May 17;1-5. doi: 10.1080/01676830.2022.2074048. Online ahead of print.
19. Azani M, Sadoughi MM, Kheiri B, Chamani T, **Rezaei Kanavi M**. Preparation of endothelial keratoplasty lamellae from donated whole eyes post vitreous humour aspiration at the central eye bank of Iran. *Cell Tissue Bank* 2023 Mar;24(1):37-43.
20. Bagheri A, Abbasnia E, Abrishami A, **Rezaie Kanavi M**. Orbital Angioleiomyoma: Report of a Case. *J Curr Ophthalmol* 2021;33:499-501.
21. Mishan MA, Balagholi S, Chamani T, Feizi S, Soheili ZS, **Rezaei Kanavi M**. Comparative culture of human corneal endothelial cells following treatment with human platelet lysate/fibrin hydrogel versus Y-27632 ROCK inhibitor: in vitro and ex vivo study. *Int Ophthalmol*. 2022 Jan 13. doi: 10.1007/s10792-021-02136-x. Epub ahead of print. PMID: 35023011.
22. Javadi MA, Rezaeian Akbarzadeh A, Chamani T, **Rezaei Kanavi M**. Sinasol versus Optisol-GS for cold preservation of human cornea: a prospective ex vivo and clinical study. *Cell Tissue Bank*. 2021 Dec;22(4):563-574. doi: 10.1007/s10561-021-09930-y. Epub 2021 May 2. PMID: 33937957.
23. Veisi A, Bagheri A, Eshaghi M, Rikhtehgar MH, **Rezaei Kanavi M**, Farjad R. Rhino-orbital mucormycosis during steroid therapy in COVID-19 patients: A case report. *Eur J Ophthalmol*. 2021 Apr 10;11206721211009450. doi: 10.1177/11206721211009450. Epub ahead of print. PMID: 33843287.
24. Shoari A, **Rezaei Kanavi M**, Rasaee MJ. Inhibition of matrix metalloproteinase-9 for the treatment of dry eye syndrome; a review study. *Exp Eye Res*. 2021 Apr;205:108523. doi: 10.1016/j.exer.2021.108523. Epub 2021 Mar 1. PMID: 33662353.
25. Mishan MA, Balagholi S, Chamani T, Feizi S, Soheili ZS, **Rezaei Kanavi M**. Potential of a novel scaffold composed of human platelet lysate and fibrin for human corneal endothelial cells. *Cell Tissue Bank*. 2021 May 3. doi: 10.1007/s10561-021-09931-x. Epub ahead of print. PMID: 33939123.
26. Balagholi S, Aletaha M, **Rezaei Kanavi M**, Karami S, Dabbaghi R, Nakhaie PA. Optimizing the effective doses of mitomycin C, 5-fluorouracil, and their combination on cultivated basal cell carcinoma. *Arq Bras Oftalmol*. 2021 Feb 3;84(5):481-489. doi: 10.5935/0004-2749.20210049. PMID: 33567038.
27. Daftarian N, Baigy O, Suri F, **Rezaei Kanavi M**, Balagholi S, Afsar Aski S, Moghaddasi A, Nourinia R, Abtahi SH, Ahmadieh H. Intravitreal connective tissue

- growth factor neutralizing antibody or bevacizumab alone or in combination for prevention of proliferative vitreoretinopathy in an experimental model. *Exp Eye Res.* 2021 Jul;208:108622. doi: 10.1016/j.exer.2021.108622. Epub 2021 May 19.
28. PMID: 34022176.
29. Mishan MA, Balagholi S, Chamani T, Feizi S, Soheili ZS, **Rezaei Kanavi M**. Potential Effect of Human Platelet Lysate on in vitro Expansion of Human Corneal Endothelial Cells Compared with Y-27632 ROCK Inhibitor. *J Ophthalmic Vis Res.* 2021 Jul 29;16(3):349-356. doi: 10.18502/jovr.v16i3.9431. PMID: 34394863; PMCID: PMC8358758.
30. Akbari Kordkheyli V, Amir Mishan M, Khonakdar Tarsi A, Mahrooz A, **Rezaei Kanavi M**, Hafezi-Moghadam A, Bagheri A. MicroRNAs may provide new strategies in the treatment and diagnosis of diabetic retinopathy: Importance of VEGF. *Iran J Basic Med Sci.* 2021 Mar;24(3):267-279. doi: 10.22038/ijbms.2021.52164.11807. PMID: 33995938; PMCID: PMC8087853.
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32. Bagheri A, Rikhtegar H, **Rezaei Kanavi M**. Epibulbar solitary myofibroma in an elderly patient: a case report. *Orbit.* 2021 Mar 9:1-3. doi: 10.1080/01676830.2021.1895844. Epub ahead of print. PMID: 33719854.
33. Oladnabi M, Mishan MA, **Rezaei Kanavi M**, Zargari M, Sadeghi RN, Bagheri A. Correlation between ELF-PEMF exposure and Human RPE Cell Proliferation, Apoptosis and Gene Expression. *J Ophthalmic Vis Res.* 2021 Apr 29;16(2):202-211. doi: 10.18502/jovr.v16i2.9084. PMID: 34055258; PMCID: PMC8126745.
34. Abolhosseini M, Moshtaghion SM, **Rezaei Kanavi M**, Hosseini SB. A triad of microscopes for rapid and proper diagnosis of infectious keratitis. *Clin Exp Optom.* 2021 Jun 16:1-3. doi: 10.1080/08164622.2021.1932430. PMID: 34134595.
35. **Rezaei Kanavi M**, Yazdani S, Elahi E, Mirrahimi M, Hajizadeh M, Khodaverdi S, Suri F. Prenatal diagnosis of primary congenital glaucoma and histopathological features in a fetal globe with cytochrome p4501B1 mutations. *Eur J Ophthalmol.* 2021 Nov 3:11206721211051235. doi: 10.1177/11206721211051235. Epub ahead of print. PMID: 34730456.
36. Karami S, Balagholi S, **Rezaei Kanavi M**, Alizadeh S, Dabbaghi R, Sayadi M. Promoting limbal stem cells proliferation and maintenance using post-thaw human amniotic membranes fortified by platelet lysate. *Gene Reports* 23 (2021) 101084.
37. Daftarian N, Baigy O, Suri F, Kanavi MR, Balagholi S, Afsar Aski S, Moghaddasi A, Nourinia R, Abtahi SH, Ahmadi H. Intravitreal connective tissue growth factor neutralizing antibody or bevacizumab alone or in combination for prevention of

- proliferative vitreoretinopathy in an experimental model. *Exp Eye Res.* 2021 Jul;208:108622. doi: 10.1016/j.exer.2021.108622. Epub 2021 May 19.
38. Darbari E, Zare-Abdollahi D, Alavi A, **Rezaei Kanavi M**, Feizi S, Hosseini SB, Baradaran-Rafi A, Ahmadi H, Issazadeh-Navikas S, Elahi E. A mutation in DOP1B identified as a probable cause for autosomal recessive Peters anomaly in a consanguineous family. *Molecular Vision* 2020; 26:757-765.
39. Shahriari M, Mehrzadi S, Naseripour M, Fatemi I, Hosseinzadeh A, **Rezaei Kanavi M**, Ghaznavi H. Beneficial Effects of Melatonin and Atorvastatin on Retinopathy in Streptozocin-induced Diabetic Rats. *Current Drug Therapy* 2020; 15:1-8.
40. Moshtaghion SM, Abolhosseini M, **Rezaei Kanavi M**, Hosseini SB, Rezaei Kanavi M. Impression cytology for detection of clinically suspected ocular surface disorders: A cross-sectional study. *Eur J Ophthalmol* 2020. <https://doi.org/10.1177/1120672120932093>
41. Shoari A, Rasaei MJ, **Rezaei Kanavi M**, Afsar Aski S, Tooyserkani R. In Vivo Effect of RSH-12, a Novel Selective MMP-9 Inhibitor Peptide, in the Treatment of Experimentally Induced Dry Eye Model. *Curr Eye Res.* 2021 Jan;46(1):7-13. doi: 10.1080/02713683.2020.1782943. Epub 2020 Jun 21. PMID: 32567381.
42. **Rezaei Kanavi M**, Chamani T, Kheiri B, Javadi MA. Preparation of endothelial keratoplasty lenticules with Gebauer SLC Original versus Moria CBm Carriazo-Barraquer and Moria One-Use Plus microkeratomes. *Indian J Ophthalmol* 2020;68(5):762-768.
43. Chaharband F, Daftarian N, **Kanavi MR**, Varshochian R, Hajiramezanali M, Norouzi P, Arefian E, Atyabi F, Dinarvand R. Trimethyl chitosan-hyaluronic acid nanopolyplexes for intravitreal VEGFR-2 siRNA delivery: Formulation and in vivo efficacy evaluation. *Nanomedicine* 2020;26:102181.
44. Javadi MA, **Kanavi MR**, Safi S. A 27-Year Report from the Central Eye Bank of Iran. *J Ophthalmic Vis Res* 2020;15(2):149-159.
45. Amir Mishan M, **Rezaei Kanavi M**, Shahpasand K, Ahmadi H. Pathogenic Tau Protein Species: Promising Therapeutic Targets for Ocular Neurodegenerative Diseases. *J Ophthalmic Vis Res.* 2019 Oct 24;14(4):491-505. doi: 10.18502/jovr.v14i4.5459.
46. Rahmani S, **Rezaei Kanavi M**, Ali Javadi M, Meskinfam Langroudi M, Afsar Aski S. Histopathologic Evaluation of Polymer Supports for Pintucci-type Keratoprostheses: An Animal Study. *J Ophthalmic Vis Res.* 2019 Jul 18;14(3):243-250. doi: 10.18502/jovr.v14i3.4779.
47. **Kanavi MR**, Javadi MA, Chamani T, Rahmanian M, Kanavi MR, Kheiri B. Proposed risk factors for failure of transplanted eye bank-prepared descemet stripping automated endothelial keratoplasty tissues. *Cell Tissue Bank.* 2020 Mar;21(1):151-158. doi: 10.1007/s10561-020-09808-5. Epub 2020 Jan 6. PMID: 31907690.

48. Feizi S, **Kanavi MR**, Safari S, Ebrahimi H, Javadi MA. Effects of topical erythropoietin on healing experimentally-induced avascular scleral damage in a rabbit model. *Exp Eye Res.* 2020 Jan;190:107898. doi: 10.1016/j.exer.2019.107898. Epub 2019 Dec 19.
49. Moghanizadeh-Ashkezari M, Shokrollahi P, Zandi M, Shokrolahi F, Daliri MJ, **Kanavi MR**, Balaghali S. Vitamin C Loaded Poly(urethane-urea)/ZnAl-LDH Aligned Scaffolds Increase Proliferation of Corneal Keratocytes and Up-Regulate Vimentin Secretion. *ACS Appl Mater Interfaces.* 2019 Sep 18. doi: 10.1021/acsami.9b07556. [Epub ahead of print]
50. Shoari A, Rasaei MJ, **Rezaei Kanavi M**, Daraei B. Functional mimetic peptide discovery isolated by phage display interacts selectively to fibronectin domain and inhibits gelatinase. *J Cell Biochem.* 2019 Dec;120(12):19699-19711. doi: 10.1002/jcb.29276. Epub 2019 Jul 3. PMID: 31270859.
51. Chamani T, Javadi MA, **Kanavi MR**. Trepchine- and dye-free technique for eye bank preparation of pre-stripped Descemet membrane endothelial keratoplasty tissue. *Cell Tissue Bank* 2019;20(2):321-326. doi: 10.1007/s10561-019-09771-w.
52. Daftarian N, Rohani S, **Kanavi MR**, Suri F, Mirrahimi M, Hafezi-Moghadam A, Soheili ZS, Ahmadi H. Effects of intravitreal connective tissue growth factor neutralizing antibody on choroidal neovascular membrane-associated subretinal fibrosis. *Exp Eye Res* 2019;184:286-295.
53. Mishan MA, Yaseri M, Baradaran-Rafii A, **Kanavi MR**. Systematic review and meta-analysis investigating autograft versus allograft cultivated limbal epithelial transplantation in limbal stem cell deficiency. *Int Ophthalmol* 2019;39(11):2685-2696.
54. Feizi S, Masoudi A, Hosseini SB, **Kanavi MR**, Javadi MA. Microbiological Evaluation of Bandage Soft Contact Lenses Used in Management of Persistent Corneal Epithelial Defects. *Cornea* 2019;38(2):146-150. doi: 10.1097/ICO.0000000000001810.
55. Samiee S, **Kanavi MR**, Javadi MA, Bagheri A, Balaghali S, Hashemi MS. Real Time Polymerase Chain Reaction for Hepatitis B Screening in Donor Corneas in the Central Eye Bank of Iran. *J Ophthalmic Vis Res.* 2018 Oct-Dec;13(4):392-396. doi: 10.4103/jovr.jovr_157_17.
56. Aliakbar Navahi R, Hosseini SB, **Rezaei Kanavi M**, Rakhshani N, Aghaei H, Kheiri B. Comparison of toluidine blue 1% staining patterns in cytopathologically confirmed ocular surface squamous neoplasias and in non-neoplastic lesions. *Ocul Surf* 2019; 17(3):578-583.
57. Nasrabadi N, Soheili ZS, Bagheri A, Ahmadi H, Amizadeh Y, Sahebjam F, Tabeie F, **Rezaei Kanavi M**. The effects of electromagnetic fields on cultured human retinal pigment epithelial cells. *Bioelectromagnetics* 2018;39(8):585-594. doi: 10.1002/bem.22154.

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64. Mohsen Rezaei Moghadam, Mohammad Reza Jafarinasab, Zahra Yousefi, Ali Sanjari Moghaddam, Hajar Memarzadeh, **Mozhgan Rezaei Kanavi**. Effects of Aloe Vera Gel-Derived Eye Drops on Alkaline Burned Rabbit Corneas. *J Ophthalmic Vis Res* 2020;15(1):7-15.
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 - **Mozhgan Rezaei Kanavi**. Color Atlas of Ophthalmic Pathology. 1st edition 2009, Sharegh Publication, Tehran. (in Persian language)
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Reviewer role:

- British Journal of Ophthalmology
 - International Ophthalmology Journal
 - Journal of Ophthalmic and Vision Research
 - Indian Journal of Ophthalmology
 - Journal of Iranian Society of Ophthalmology
 - Journal of Ophthalmic and Vision Research
 - Bina Journal of Ophthalmology
 - Journal of BioMedical Research
 - Journal of Applied Biotechnology and Bioengineering
 - Cell Tissue Bank
-

As the main supervisor in Students' thesis:

Post-Doc (fellowship / residency) theses:

- Application of gold nanoparticles for choroidal melanoma; an in vitro and ex vivo study
- Effect of topical erythropoietin on healing induced necrotizing scleritis in a rabbit model
- The effect of erythropoietin on Viability and Proliferation Cultivated Human Corneal Endothelial Cells
- Investigation of Thickness and Endothelial profiles of Donor endothelial keratoplasty lenticules prepared from donated whole eyes post vitreous draw
- Design and Manufacturing of keratoprosthesis for Severe Ocular Surface Diseases
- Effects of intravitreal connective tissue growth factor neutralizing antibody on choroidal neovascular membrane-associated subretinal fibrosis
- Aloe Vera Gel-derived Eye Drops for Alkaline Corneal Injury in a Rabbit Model
- Intravitreal Injection of Zoledronic Acid in Rat Model of Choroidal Neovascularization
- Intravitreal Connective Tissue Growth Factor Neutralizing Antibody or Bevacizumab Alone or in Combination for Prevention of Proliferative Vitreoretinopathy in an Experimental Model
- The Inhibitory Effect of Connective Tissue Growth Factor Neutralizing Antibody on Postoperative Fibrosis in a Rabbit Model of Trabeculectomy
- Ocular Safety of Intravitreal Ethylene Diamine Tetra Acetic Acid (EDTA)

- Impression cytology for detection of clinically suspected ocular surface disorders: A cross-sectional study
- Various Confocal Scan Features of Cysts and Trophozoites in Acanthamoeba Keratitis
- Comparison of toluidine blue 1% staining patterns in cytopathologically confirmed ocular surface squamous neoplasias and in non-neoplastic lesions
- An Ex Vivo Study of GNPs Distribution in Human Choroidal Melanoma and investigating the Effects of GNPs on Rat of Intraocular Melanoma
- Confocal microscopy in chronic and delayed mustard gas keratopathy
- Short-term effects of extremely low-frequency pulsed electromagnetic field and pulsed low-level laser therapy on rabbit model of corneal alkali burn

As the main supervisor in PhD theses and Students:

- Dr Alireza Shoari: Selection of MMP9-binding inhibitory peptides using phage display technique and their effect on dry eye syndrome in animal model (finished)
- Dr Mohammad Amir Mishan: Investigation of Cultured Human Corneal Endothelial Cells on the platelet gel scaffold as compared with ROCK inhibitor (Y-27632): an in vitro and ex vivo study (finished)
- Dr Saeed Rahmani: Manufacturing Pintucci-type Keratoprostheses (finished)
- Mr Mirsalar Kazemi: Evaluation of intravitreal anti-vascular endothelial growth factor (VEGF) camelid-nanobody in animal model of laser induced choroidal neo-vascularization (CNV) (Project in progress)

As the main supervisor in MD theses:

- Incidence of refractive errors in primary schools in Arak
- Dr. Fatemeh Javadi: Freezing of Surplus Donated Whole Eyes in the Central Eye Bank of Iran
- Dr. Sasha Afsar Aski: Animal Modeling for Uveal Melanoma; intravitreal vs suprachoroidal injection of cultivated human uveal melanoma cells
- Dr. Sahar Safari: Effects of topical erythropoietin on healing experimentally-induced avascular scleral damage in a rabbit model

As the main supervisor in MSc theses:

- Miss Bahar Safdari: Investigating the expression of NOGO-A and its receptors, Lingo-1 and NgR1, in Retinal Pigmented Epithelial (RPE) cell culture and the effects of Human Amniotic Fluid (HAF) on them
- Mrs. Niyousha Nasrabadi: The effects of electromagnetic fields on cultured human retinal pigment epithelial cells
- Mr. Rasoul Dabbaghi: Effects of fibrin glue as a three-dimensional scaffold in cultivated adult human retinal pigment epithelial cells
- Miss Samira Karami: Platelet Lysate-Fortified Post-Thaw Human Amniotic Membranes Potentiate the Cultivation of Limbal Stem Cells
- Mrs Narges Fazili: Cultivation of retinoblastoma cells: Correlation between in vitro growth pattern and histopathology