

# Nazanin Behnaz, MD

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<https://scholar.google.com>

**Research Interest:** Ophthalmology, Microscopic Surgery, Strabismus, Vision Sciences, Cornea, Tissue engineering

## Education

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- 2022- Present                      **Strabismus Postdoctoral Fellowship**  
Shahid Beheshti University of Medical Sciences (SBMU), Tehran, Iran
- 2015 – 2019                      **Ophthalmology – Medical Specialization with Honors**  
Shahid Beheshti University of Medical Sciences (SBMU), Tehran, Iran  
**Dissertation:** Prevalence of Demodex infestation in patients with chronic blepharitis versus the normal population.  
**Supervisor:** Hosein Mohammad Rabei, MD, Ophthalmologist and Cornea fellowship
- 2008 – 2015                      **General Medicine (MD)**  
Shahid Beheshti University of Medical Sciences (SBMU), Tehran, Iran  
**GPA:** 17.9  
**Dissertation:** Intravenous Caffeine for the Treatment of Acute Migraine: A Pilot Study  
**Supervisor:** Alireza Baratloo, MD, Emergency Medicine specialist

## Peer-reviewed Journal Publications

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➤ *Journal articles published in English:*

1. A. Rafii, S. Keshel, **N. Behnaz (Corresponding Author)**, M. Ansari, S. Feizi, K. Hassanpour, M. Sadoughi, O. Filutowski, M. Ghahari (2022). Mini-Conjunctival Limbal Autograft (Mini-CLAU) Using Platelet-Rich Plasma Eye Drops (E-PRP): A Case Series. *Cornea* (Q1) , 10-1097.  
[DOI: 10.1097/ICO.00000000000003156](https://doi.org/10.1097/ICO.00000000000003156)
2. K. Hassanpour, **N. Behnaz**, M. Fakhri, M. Pakravan (2020). The value of Morbidity & Mortality (M&M) conferences in residency training: a proposed model from an academic medical center in Iran. *Patient Safety in Surgery* (Q1) , 14(1), 1-3.  
[DOI: 10.1186/s13037-020-0231-3](https://doi.org/10.1186/s13037-020-0231-3)
3. H. Sabbagh, H. Ahmadi, J. Jalili, **N. Behnaz (Corresponding Author)**, M. Fakhri, F. Suri, B. Kheiri, M. Rajabpour, M. Entezari, N. Daftarian (2020). Choroidal thickness in different types of inherited retinal dystrophies. *Journal of ophthalmic & vision research* (Q2) , 15(3), 351.  
[DOI: 10.18502/jovr.v15i3.7454](https://doi.org/10.18502/jovr.v15i3.7454)

4. R. Nourinia, M. Emamverdi, A. Ramezani, Y. Amizadeh, M. Khorshidifar, **N. Behnaz**, Y. Amizadeh, M. Khorshidifar, N. Behnaz, S. Safi (2020). Peripheral ischemic retinal photocoagulation in addition to intravitreal bevacizumab versus intravitreal bevacizumab alone for the treatment of macular edema secondary to central retinal vein occlusion: a Randomized Double-Masked Controlled Clinical Trial. *Retina (Q1)* , 40(6), 1110-1117. DOI: [10.1097/IAE.0000000000002573](https://doi.org/10.1097/IAE.0000000000002573)
5. H. Behboudi, H. Nikkhah, Y. Alizadeh, M. Katibeh, M. Pakbin, H. Ahmadi, H. Sabbaghib, R. Nourinia, S. Karimi, **N. Behnaz**, G. Piryaieeb, M. Yaseri, B. Kheiri, S. Moradian (2020). A Population-based Study on the Prevalence and Associated Factors of Age-related Macular Degeneration in Northern Iran the Gilan Eye Study. *Ophthalmic Epidemiology*, 27(3), 209-218.(Q2) DOI: [10.1080/09286586.2020.1716379](https://doi.org/10.1080/09286586.2020.1716379)
6. K. Hassanpour, R. Nourinia, **N. Behnaz**, M. Azarmina, S. Jalali, D. Roshandel (2020). Bilateral Keratoconus in a Patient with Isolated Foveal Hypoplasia. *Journal of Ophthalmic and Vision Research (JOVR)*, (Q2), 256-258. DOI: [10.18502/jovr.v15i2.6745](https://doi.org/10.18502/jovr.v15i2.6745)
7. R. Nourinia, **N. Behnaz**, H. Hassanpour, Z. Karjoo, K. Hassanpour (2020). Macular hole and submacular hemorrhage secondary to retinal arterial macroaneurysm—successfully treated with a novel surgical technique. *GMS Ophthalmology Cases*, 10. DOI: [10.3205/oc000158](https://doi.org/10.3205/oc000158)
8. S. Feizi, M. Javadi, **N. Behnaz**, S. Fani-Hanife, M. Jafarinasab (2018). Effect of suture removal on refraction and graft curvature after deep anterior lamellar keratoplasty in patients with keratoconus. *Cornea*, 37(1), 39-44. (Q1) DOI: [10.1097/ICO.0000000000001443](https://doi.org/10.1097/ICO.0000000000001443)
9. P. Malekifar, H. Esfandiari, **N. Behnaz**, F. Javadi, S. Azish, M. Javadi, M. Kalantarion (2017), Risk factors for pterygium in Ilam Province, Iran. *Journal of ophthalmic & vision research*, 12(3), 270. (Q2), DOI: [10.4103/jovr.jovr\\_85\\_16](https://doi.org/10.4103/jovr.jovr_85_16)
10. A. Baratloo, A. Negida, G. Ashal, **N. Behnaz** (2015). Intravenous caffeine for the treatment of acute migraine: a pilot study. *Journal of Caffeine Research*, 5(3), 125-129. DOI: [10.1089/jcr.2015.0004](https://doi.org/10.1089/jcr.2015.0004)
11. F. Aval, **N. Behnaz (Corresponding Author)**, M. Raoufy, S. Alavian (2014). Predicting the outcomes of combination therapy in patients with chronic hepatitis C using artificial neural network. *Hepatitis Monthly*, 14(6). DOI: [10.5812/hepatmon.17028](https://doi.org/10.5812/hepatmon.17028)
12. J. Khoshnevis, S. Lotfollahzadeh, M. Sobhiyeh, H. Sepas, M. Nejad, A. Rahbari, **N. Behnaz**, Z. Mahdi (2013). Ruptured aneurysm of the splenic artery: a rare cause of abdominal pain after blunt trauma. *Trauma Monthly*, 18(1), 46. DOI: [10.5812/traumamon.8271](https://doi.org/10.5812/traumamon.8271)

➤ **Journal articles published in Persian:**

13. M. Shahriari, **N. Behnaz**, MA. Javadi (2015), Review of Applications of Tetracyclines in Ophthalmology, *Bina Journal of Ophthalmology* 21 (1): 61-69.
14. H. Mohammad-Rabei, **N. Behnaz (Corresponding Author)**, M. Javadi, D. Roshandel, S. Feizi, Z Ghadyani, M Emamverdi (2018), Prevalence of demodex infestation in chronic blepharitis, *Bina Journal of Ophthalmology*, 24 (1): 3-8.
15. A. Akhavan Azari, MA. Javadi, S. Delfazay Baher, S. Feizi, M. Rezaei Kanavi, SB. Hosseini, G. Piriaie, M. Najafi, **N. Behnaz**, Primary Corneal Keloid. *Bina J Ophthalmol* 2018; 24 (3): 151-156.
16. **N. Behnaz (Corresponding Author)**, M. Khayamzadeh, MA. Javadi, P. Malekifar (2020), Bacterial Endogenous Endophthalmitis after Cataract Surgery, *Bina Journal of Ophthalmology*, 25 (3): 327-330.
17. S. Feizi, A. Naderi, **N. Behnaz (Corresponding Author)**, M. Javadi, M. Khayamzadeh (2020), High Intraocular Pressure after Penetrating Keratoplasty versus Deep Anterior Lamellar Keratoplasty in Keratoconus Patients, *Bina Journal of Ophthalmology*, 25 (3): 210-218.

## Current Projects

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1. Investigation of safety and efficacy of vesicles derived from the secretum of Umbilical cord blood stem cells in patients with dry eye syndrome (in collaboration with SBMU, School of Advanced Technologies in Medicine, since 2022).
2. The role of Wnt/ $\beta$ -Catenin and TGF- $\beta$  signaling pathways in corneal keratocyte differentiation of conjunctiva stromal-derived mesenchymal stem cell (in Collaboration with cellular and molecular biology school, Tehran University, Since 2021, Young Professor grant).
3. Classification of different types of corneal ectasia using Artificial Intelligence (Ophthalmic Research Center, SBMU, Since 2021, Elite's grant From National Institute for Medical Research Development (NIMAD), 4000607).
4. Customized Clinical Practice Guidelines for Management of Adult Cataract in Iran (Ophthalmic Research Center, SBMU, Since 2022, Final assessment in Ministry of Health and Medical Education).
5. Comparing the efficacy of Toxin Botulinum type, A with commercial names, MASPORT and DYSPORT in Benign Essential Blepharospasm: A Double blind Randomized Clinical Trial (SBMU, Labbafinejad Medical Center, since 2023).
6. Long term results of strabismus surgery in patients with Thyroid Associated Ophthalmopathy (SBMU, Labbafinejad Medical Center, since 2023).

## Conference Presentations

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1. Updates on Premium IOL, Spring Ophthalmology Meeting 2022, Tehran, Iran.
2. IOL Calculation, Spring Ophthalmology Meeting 2022, Tehran, Iran.
3. Criteria of KCN Progression, Spring Ophthalmology Meeting 2022, Tehran, Iran.
4. Mini-Conjunctival Limbal Autograft (Mini-CLAU) Using Platelet-Rich Plasma Eye Drops (E-PRP): A Case Series. A. Rafii, S. Keshel, N. Behnaz, M. Ansari, S. Feizi, K. Hassanpour, M. Sadoughi, O. Filutowski, M. Ghahari, Iranian Research Association for Vision and Ophthalmology (IRAVO) 2022, Tehran, Iran.
5. Peripheral ischemic retinal photocoagulation in addition to intravitreal bevacizumab versus intravitreal bevacizumab for the treatment of macular edema secondary to central retinal vein occlusion, R. Nourinia, M. Emamverdi, A. Ramezani, Y. Amizadeh, M. Khorshidifar, N. Behnaz, Y. Amizadeh, M. Khorshidifar, N. Behnaz, S. Safi, Iran Ophthalmology Spring Session 2017, Tehran, Iran.
6. Prevalence of Demodex Infestation in Chronic Blepharitis, H. Rabei, N. Behnaz, M. Javadi, D. Roshandel, S. Feizi S, Z. Ghadyani, M. Emamverdi, Iran Ophthalmology Spring Session 2018, Tehran, Iran.
7. Bilateral Keratoconus in a Patient with Isolated Foveal Hypoplasia, K. Hassanpour, R. Nourinia, N. Behnaz, MD; M. Azarmina, S. Jalali, D. Roshandel, Spring Ophthalmology meeting 2016.

## Prizes/Awards/Honours

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**2019:** Certificate for International Council of Ophthalmology (Visual Sciences, Optics, Refraction & Instruments, Clinical Ophthalmology).

**2018:** Best Ophthalmology Resident Award, Shahid Beheshti University of Medical Sciences.

**2018:** Ophthalmology Resident Ethics Award, Shahid Beheshti University of Medical Sciences.

**2015:** Gilt-edged Ophthalmology Residency Entrance Exam.

**2015:** Ranked 33<sup>th</sup> out of more than 20,000 participants in the National Entrance Exam for Medical Specialty (top 0.1%).

**2015:** Ranked in the top 5% of the cohort at Shahid Beheshti University of Medical Sciences.

**2010:** Gilt-edged National Medical Basic Sciences Exam.

**2008:** Ranked 17<sup>th</sup> out of more than half a million participants in the National University Entrance Exam (top 0.01%).

**2007:** Ranked 2<sup>nd</sup> in National Diploma Exam (Top 0.1%).

## **Executive experiences**

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**2021 - present :** Faculty Member, Ophthalmology Department, Shahid Beheshti University of Medical Sciences.

**2020 - present:** Secretary of Logbook Committee in the Ophthalmology Department, Shahid Beheshti University of Medical Sciences.

**Nov 2022:** Executive Secretary in the webinar “Mucormycosis infection in pandemic COVID-19 era”, Imam Hossein Hospital.

## **Professional Memberships/Fellowships**

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**2019 - present:** Advanced International Council of Ophthalmology (ICO).

**2019 - present:** Fellow of the Royal College of Surgeons of Edinburgh (FRCSEd).

**2015 - present:** Member of the Iranian society of ophthalmology.

**2001-2008:** Member of the National Organization for Development of Exceptional Talents (NODET).

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## **Teaching experiences**

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1. Advanced in ophthalmology, International optometrist for master's degree, 2022
2. Advances in pharmacology, International optometrist for master's degree, 2022
3. Neurophthalmology, Medical students, 2021-2022
4. Ocular chemical burn, Medical students, 2022
5. Eyelid abnormalities, Medical students, 2022-2023
6. Clinical refraction, Ophthalmology residents, 2022-2023
7. Optics, Ophthalmology residents, 2022-2023