

HAMIDEH SABBAGHI

PERSONAL INFORMATION

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- Research Gate: <https://www.researchgate.net/profile/Hamideh-Sabbagh>
- Google Scholar: <https://scholar.google.com/citations?user=DJm3kb4AAAAJ&hl=en&oi=ao>
- Scopus H- index: 11
- Google Scholar H- index: 13

Current position: Faculty member, Assistant Professor; Ophthalmic Research Center, Research Institute for Ophthalmology & Vision Research & Department of Optometry, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2021 – present).

RESEARCH INTERESTS

- Pediatric ophthalmology/ optometry particularly amblyopia and eye deviations
- Ophthalmic/ optometry epidemiology
- Establishment of disease registries and big data analysis in the fields of ophthalmology/ optometry
- Artificial intelligence in eye diseases screening, diagnosis and management
- Digital health (virtual reality/ telemedicine and mobile health) in eye diseases screening, diagnosis and management

ACADEMIC EDUCATION

- *PhD in Optometry and Vision Science*
Shahid Beheshti University of Medical Sciences, Tehran, Iran
GPA: 19.02 / 20 [graduated as an outstanding student]
December 2014 - January 2020
Thesis Subject: Designing and Establishment of the First National Database Registry for Inherited Retinal Diseases in Iran
Supervisor: Ophthalmology Professor, Dr. Hamid Ahmadiéh
- *Master Science in Optometry and Vision Science*
Shahid Beheshti University of Medical Sciences, Tehran, Iran
GPA: 18.31 / 20 [graduated as an outstanding student]
October 2011 – September 2014
Thesis Subject: The Screening of Amblyopia and Refractive Error among 7 to 12-year-old Primary School Children of Tehran, Iran in 2013
Supervisor: Ophthalmology Professor, Dr. Zhale Rajavi
- *Bachelor Science in Optometry and Vision Science*
Zahedan University of Medical Sciences, Zahedan, Iran
GPA: 17.16 / 20 [graduated as an outstanding student]
October 2007 – September 2011

Thesis Subject: The Effect of vertical Disparity on Local/ Global Stereopsis and Horizontal Fusional Reserves

Supervisor: Assistant Professor of Optometry, Dr. Hamed Momeni- Moghadam

EXECUTIVE APPOINTMENTS & WORKING EXPERIENCES

- *Faculty member, Assistant professor*
Ophthalmic Epidemiology Research Center, Research Institute for Ophthalmology and Vision Science, Shahid Beheshti University of Medical Sciences, Tehran, Iran (WHO collaboration research center)
April 2021 – present
- *Co- Executive editor*
Journal of Ophthalmic & Vision Research (*JOVR*)
December 2014 – present
- *Member of the Scientific Committee*
MAPINA NGO
February 2021– present

CLINICAL EXPERINCES/ SKILLS

- Extensive experience in diagnosis and non- surgical management of patients with amblyopia, strabismus, and accommodation dysfunction
- Extensive experience in optical management of patients with visual impairment
- Ophthalmic imaging, para- clinical testing and clinical interpretation

RESEARCH PROJECTS & RESEARCH GRANTS

- *Principal Investigator*
Determination the Risk of Cardiovascular Diseases by Processing of the Color Fundus Images via Deep Learning Techniques
Approval date: August 2023
- *Principal Investigator*
Automated Detection of Retinitis Pigmentosa by Processing of the Optical Coherence Tomography Images using Deep Learning Techniques
Approval date: August 2023
- *Principal Investigator*
Investigation of the characteristics of bestrophinopathy using electroretinogram signal analysis
Approval date: February 2023
- *Principal Investigator*
Establishment of a national disease registry for patients with a history of keratoplasty in Iran
Approval date: March 2023
- *Co- Principal Investigator*

Therapeutic treatment of presbyopia

Approval date: February 2022

- *Co- Principal Investigator*
Evaluation of the relationship between the structural features of the retina in the macula region with genetic findings in patients with retinitis pigmentosa
Approval date: November 2022
- *Co- Principal Investigator*
Investigating the effect of Fampyra on patients with Non- arteritic anterior ischemic optic neuropathy (NAION) - pilot phase
Approval date: September 2022
- *Principal Investigator*
Investigating the effects of Fampyra on patients with retinitis pigmentosa
Approval date: June 2022
- *Principal Investigator*
Automatic classification of the severity of age-related macular degeneration using artificial intelligence
Approval date: August 2022
- *Principal Investigator*
Classification of different types of corneal ectasia by using artificial intelligence
Approval date: March 2022
- *Principal Investigator*
Investigating the prevalence of vision and eye disorders in premature children (systematic review)
Approval date: February 2021
- *Principal Investigator*
Investigation the effect of inferior oblique muscle weakening surgery on fundus torsion using image processing technique
Approval date: February 2021
- *Co- Principal Investigator*
The incidence of anisometropia and its accompanying factors in referral patients to referral hospitals affiliated to Shahid Beheshti University of Medical Sciences between 2014 and 2016
Approval date: February 2021
- *Co- Principal Investigator*
Myopia progression controlling by using low concentration atropine eye drop (first phase)
Approval date: February 2021
- *Co- Principal Investigator*

Investigating the effects of N-acetylcysteine on macular function in patients with retinitis pigmentosa

Approval date: March 2021

- *Co- Principal Investigator*
Survey of the complications of the corona vaccinations in the staff of Negah Eye Hospital in 2021
Approval date: September 2021
- *Co- Principal Investigator*
Establishment of a national disease registry for patients with childhood glaucoma
Approval date: November 2021
- *Principal Investigator*
Evaluation of vision-related quality of life in patients with retinal vein occlusion
Approval date: June 2021
- *Co- Principal Investigator*
Screening of the BEST1 gene in Iranian patients with autosomal recessive bestrophinopathy and investigating the pathogenicity of the mutations found in heterozygous form in carriers in the studied families
Approval date: February 2020
- *Co- Principal Investigator*
Results of medial rectus advancement surgery in patients with consecutive exotropia
Approval date: September 2019
- *Co- Principal Investigator*
Comparison of optical coherence tomography angiography parameters in amblyopia patients with their controls
Approval date: September 2019
- *Co- Principal Investigator*
Comparison of the postoperative outcomes of two methods of lateral rectus muscle resection and plication in esotropic patients
Approval date: September 2019
- *Co- Principal Investigator*
Epidemiologic factors and ocular manifestations in twins children compared with non- twins controls
Approval date: September 2019
- *Co- Principal Investigator*
Investigating the effect of game therapy using virtual reality (VR) in the treatment of amblyopia
Approval date: September 2019

- *Principal Investigator*
Investigating the sensory results of strabismus in patients with congenital exotropia
Approval date: February 2018
- *Principal Investigator*
Designing and establishment of the first national disease registry for patients with different types of inherited retinal diseases in Iran
Approval date: July 2017
- *Co- Principal Investigator*
Title: A comprehensive genetic study of Iranian patients with keratoconus
Approval date: October 2017
- *Co- Principal Investigator*
Comparison of the effect of simultaneous intravitreal injection of bevacizumab and fasudil with intravitreal injection of bevacizumab alone in the treatment of macular edema caused by retinal vein occlusions
Approval date: October 2017
- *Co- Principal Investigator*
Investigating the prophylactic effect of ketorolac tromethamine on the control of acute cystoid macular edema in diabetic patients after cataract surgery
Approval date: July 2017
- *Co- Principal Investigator*
Design and evaluation of community-oriented program and screening of diseases leading to blindness using m-Health to improve eye health in Iran/phase 1
Approval date: July 2017
- *Co- Principal Investigator*
Design and evaluation of community-oriented program and screening of diseases leading to blindness using m-Health to promote eye health in Iran/phase 2
Approval date: November 2017
- *Co- Principal Investigator*
Comparison of the effect of two surgical methods: grading inferior oblique anteriorization with standard inferior oblique anteriorization on asymmetric dissociated vertical deviation
Approval date: January 2017
- *Co- Principal Investigator*
A comprehensive genetic study of Iranian patients with Stargardt1 disease
Approval date: May 2017
- *Co- Principal Investigator*
A comprehensive genetic study of Iranian patients with Leber's congenital amblyopia (LCA)
Approval date: October 2017

- *Principal Investigator*
Establishment of a national disease registry for patients with childhood glaucoma
Approval date: December 2017
- *Co- Principal Investigator*
Genetic analysis of a large Iranian family with aniridia
Approval date: October 2017
- *Co- Principal Investigator*
Investigation of the postoperative surgical outcomes and risk factors in patients with horizontal deviations and a history of reoperation
Approval date: October 2017
- *Co- Principal Investigator*
Mutation screening in RPE65 gene in Iranian patients with Leber Congenital Amaurosis (LCA)
Approval date: May 2017
- *Co- Principal Investigator*
Clinical practice guidelines (CPG) for intravitreal injection of anti-vascular endothelial growth factor drugs in eye vascular diseases
Approval date: May 2017
- *Principal Investigator*
Investigation of job satisfaction among ophthalmologists working in Iran
Approval date: June 2016
- *Co- Principal Investigator*
Title: Construction of corneal preservation environment for short-term storage of donated corneas
Approval date: December 2016
- *Principal Investigator*
Determination of the causes of visual impairment in children referred to Labbafinejad (Tehran) and Al-Zahra (Zahedan) hospitals in 2016
Approval date: September 2015
- *Co- Principal Investigator*
Prevalence of amblyopia and its associated factors in children aged 6-12 years living in Tehran in 1991-1992
Approval date: October 2012

PUBLICATIONS

1. Ramin Sh, Rostami F, Ahmadi H, Daftarian N, Nourinia R, Abbasi A, Kheiri B, **Sabbaghi H**, Sheibani K. Vision-related quality of life in patients with retinal vein occlusion. *Int Ophthalmol.* 2024. [Corresponding Author]

2. Rajavi Z, Nikanfar K, Sharahi Dizabadi M, Abdi S, Kheiri B, Sheibani K, **Sabbaghi H**. Fundus torsion following inferior oblique muscle weakening. *J AAPOS*. 2024:103827. [Corresponding Author]
3. Rajavi Z, Kheiri B, Sheibani K, **Sabbaghi H**. Myopia Controlling using Low Dose Atropine Eye Drop has been accepted for publication in *Journal of Current Ophthalmology*. [October 30, 2023] [Corresponding Author]
4. Haseli-Mofrad A, Kalabani A, Rajavi Z, Shekofteh M, **Sabbaghi H**, Esfandiari H, Safi S. Scientific publications and Subject Clusters in the field of Glaucoma: A Scientometric Analysis has been accepted for publication in *Journal of Current Ophthalmology*. [October 8, 2023] [Co-Author]
5. Rajavi Z, Behradfar N, Sharahi Dizabadi M, Kheiri B, Sheibani K, **Sabbaghi H**. Visual and Ocular Characteristics in Anisometropic Children has been accepted for publication in *Journal of Ophthalmic & Vision Research*. [August 27, 2023] [Corresponding Author]
6. **Sabbaghi H**, Madani S, Ahmadi H, Daftarian N, Suri F, Khorrami F, Saviz P, Shahriari MH, Motevasseli T, Fekri S, Nourinia R, Moradian S, Sheikhtaheri A. A health terminological system for inherited retinal diseases: Content coverage evaluation and a proposed classification. *PLoS One*. 2023;18(8):e0281858. [First Author]
7. Ramezani A, **Sabbaghi H**, Katibeh M, Ahmadi H, Kheiri B, Yaseri M, Moradian S, Alizadeh Y, Soltani Moghadam R, Medghalchi A, Etemad K, Behboudi H. Prevalence of cataract and its contributing factors in Iranian elderly population: the Gilan eye study. *Int Ophthalmol*. 2023 Aug 16. doi: 10.1007/s10792-023-02851-7. Epub ahead of print. [Co- First Author]
8. Mohammad-Rabei H, **Sabbaghi H**, Emamverdi M, Karimi S, Ramezani A, Nikkhah H, Kheiri B, Yaseri M, Sheibani K, Bahreini R. The effect of topical ketorolac tromethamine on macular thickening after phacoemulsification in diabetic patients. *BMC Ophthalmol*. 2023 Jul 14;23(1):320. [Co- First Author]
9. Barzin M, **Sabbaghi H**, Kamfar S, Seifi A, Hajipour M, Siri FH, Mir-Moeini E, Gharajeh A, Ferdosifard N, Panahi M, Nazari SSH, Atatalab FF, Etemad K. Development and evaluation of a customized checklist to assess the quality control of disease registry systems of Tehran, the capital of Iran in 2021. *BMC Health Serv Res*. 2023 Jul 4;23(1):726. [Co- First Author]
10. Behboudi H, Rajavi Z, **Sabbaghi H**, Katibeh M, Kheiri B, Yaseri M, Moradian S, Alizadeh Y, Ahmadi H, Pakbin M, Bouyeh A, Moradi A. Prevalence of refractive errors in population aged 50 years and over: The Gilan eye study. *Eur J Ophthalmol*. 2023 Jun 22:11206721231184544. [Corresponding Author]
11. Rajavi Z, **Sabbaghi H**, Hasani R, Behradfar N, Abdi S, Kheiri B, Haseli-Mofrad A. Comparison of epidemiologic factors and eye manifestations of twin children with controls. *BMC Ophthalmol*. 2023 Jun 1;23(1):246. [Corresponding Author]
12. NCD Risk Factor Collaboration. Diminishing benefits of urban living for children and adolescents' growth and development. *Nature*. 2023;615(7954):874. [Co- Author]
13. Jafarinasab M, Kalantarion M, Hooshmandi S, Hassanpour K, Najdi D, Kheiri B, **Sabbaghi H**. Indications and outcomes of intraocular Lens Exchange among pseudophakic eyes in a Tertiary Referral Center. *BMC ophthalmology*. 2023;23(1):127. [Corresponding Author]
14. Bayat K, Hassanpour K, **Sabbaghi H**, Fekri S, Daftarian N, Motevasseli T, Suri F, Kheiri B, Yaseri M, Ahmadi H. Choroidal structure investigated by choroidal vascularity index in patients with inherited retinal diseases. *International Journal of Retina and Vitreous*. 2023;9(1):1-7. [Co- Author]
15. Mohammad-Rabei H, Ramin S, Lotfi S, **Sabbaghi H**, Karimian F, Abdi S, Shahriari MH, Kheiri B, Sheibani K, Javadi MA. Risk Factors Associated with Keratoconus in an Iranian Population. *Journal of Ophthalmic & Vision Research*. 2023;18(1):15. [Corresponding Author]
16. Shahriari MH, **Sabbaghi H**, Asadi F, Hosseini A, Khorrami Z. Artificial intelligence in screening, diagnosis, and classification of diabetic macular edema: A systematic review. *Survey of Ophthalmology*. 2023. [Co- First Author]
17. Ramin S, Rad LM, Abbasi A, Rafatifard A, Rahimi Y, Ghorbani S, **Sabbaghi H**, Colagar AH. Myopic regression after photorefractive keratectomy: a retrospective cohort study.

- Medical hypothesis discovery and innovation in ophthalmology. 2023;12(1):9-17. [Co-Author]
18. Fekri S, Nourinia R, Rahimi-Ardabili B, Daneshtalab A, **Sabbaghi H**, Ahmadi H, Kheiri B. Combined intravitreal injection of bevacizumab and a ROCK inhibitor (fasudil) for refractory macular edema secondary to retinal vein occlusion: a pilot study. *International Journal of Retina and Vitreous*. 2022 Dec;8(1):1-5. [Co- Author]
 19. Rad A, Najafi M, Suri F, Abedini S, Loum S, Karimiani EG, Daftarian N, Murphy D, Doosti M, Moghaddasi A, Ahmadi H, **Sabbaghi H** and et.al. Identification of three novel homozygous variants in COL9A3 causing autosomal recessive Stickler syndrome. *Orphanet journal of rare diseases*. 2022;17(1):1-9. [Co- Author]
 20. Kalantarion M, Rajavi Z, **Sabbaghi H**, Kheiri B, Shahriari MH, Mozafar FF. Psychological Impact of COVID-19 on the Ophthalmologists in Iran. *Journal of Ophthalmic and Vision Research (JOVR)*. 2022 Apr 29:233-41. [Corresponding Author]
 21. Bahena P, Daftarian N, Maroofian R, Linares P, Villalobos D, Mirrahimi M, Rad A, Doll J, Hofrichter MA, Koparir A, Röder T, **Sabbaghi H** and et al. Unraveling the genetic complexities of combined retinal dystrophy and hearing impairment. *Human genetics*. 2022 Apr;141(3):785-803. [Co- Author]
 22. Shojaei S, **Sabbaghi H**, Mehrabi Y, Daftarian N, Etemad K, Ahmadi H. Vision-related quality of life in patients with inherited retinal dystrophies. *Journal of Current Ophthalmology*. 2022 Jan;34(1):80. [Co- First Author]
 23. Darbari E, Ahmadi H, Daftarian N, Kanavi MR, Suri F, **Sabbaghi H**, Elahi E. Mutation Screening of Six Exons of ABCA4 in Iranian Stargardt Disease Patients. *Journal of Ophthalmic & Vision Research*. 2022;17(1):51. [Co- Author]
 24. Nourinia R, Rajavi Z, **Sabbaghi H**, Hassanpour K, Ahmadi H, Kheiri B, Rajabpour M. Optical Coherence Tomography Angiography in Patients with Amblyopia. *Strabismus*. 2022;30(3):132-8. [Corresponding Author]
 25. Hassanpour K, Mohammadi N, **Sabbaghi H**, Amirabadi A, Pakravan M. Peripapillary Capillary Network in Methanol Induced Optic Neuropathy. *Journal of Ophthalmic & Vision Research*. 2022 Jan;17(1):140. [Co- Author]
 26. **Sabbaghi H**, Kalantarion M, Yaseri M, Kheiri B, Rajavi Z, Safi S. Job Satisfaction among Ophthalmologists in Iran. *Journal of Ophthalmic and Vision Research (JOVR)*. 2022:543-50.
 27. Hassanpour K, Mohammadi N, **Sabbaghi H**, Amirabadi A, Pakravan M. Peripapillary Capillary Network in Methanol Induced Optic Neuropathy. *Journal of Ophthalmic & Vision Research*. 2022;17(1):140. [First Author]
 28. Zhou B, Carrillo-Larco RM, Danaei G, Riley LM, Paciorek CJ, Stevens GA, Gregg EW, Bennett JE, Solomon B, Singleton RK, Sophiea MK. Worldwide trends in hypertension prevalence and progress in treatment and control from 1990 to 2019: a pooled analysis of 1201 population-representative studies with 104 million participants. *The Lancet*. 2021;398(10304):957-80. [Co- Author]
 29. **Sabbaghi H**, Behbahani S, Daftarian N, Ahmadi H. New criteria for evaluation of electroretinogram in patients with retinitis pigmentosa. *Documenta Ophthalmologica*. 2021 Dec;143(3):271-81. [First Author]
 30. Rajavi Z, **Sabbaghi H**, Behradfar N, Yaseri M, Sheibani K. Management of consecutive exotropia. *Journal of Current Ophthalmology*. 2021;33(4):475. [Corresponding Author]
 31. Behbahani S, Moridani MK, Ramezani A, **Sabbaghi H**. Investigating the frequency characteristics of the electroretinogram signal in patients with central retinal vein occlusion. *Medical Science Journal of Islamic Azad University-Tehran Medical Branch*. 2021 Jun 10;31(2):205-17. [Co- Author]

32. Rajavi Z, Soltani A, Vakili A, **Sabbaghi H**, Behradfar N, Kheiri B, Reza M. Virtual Reality Game Playing in Amblyopia Therapy: A Randomized Clinical Trial. *Journal of Pediatric Ophthalmology & Strabismus*. 2021 May 1;58(3):154-60. [Corresponding Author]
33. Khojasteh H, Azarmina M, Ebrahimiadib N, Daftarian N, Riazi-Esfahani H, Naraghi H, **Sabbaghi H**, Khodabande A, Faghihi H, Moghaddasi A, Bazvand F. Autosomal Recessive Bestrophinopathy: Clinical and Genetic Characteristics of Twenty-Four Cases. *Journal of Ophthalmology*. 2021 Apr 30;2021. [Co- Author]
34. **Sabbaghi H**, Daftarian N, Hassanpour K, Fekri S, Nourinia R, Suri F, Kheiri B, Yaseri M, Rajabpour M, Sheibani K, Ahmadi H. Retinal vascular abnormalities in different types of inherited retinal dystrophies assessed by optical coherence tomography angiography. *Journal of Current Ophthalmology*. 2021 Apr;33(2):189. [First Author]
35. **Sabbaghi H**, Daftarian N, Fakhri M, Kheiri B, Ahmadi H. Visual acuity impairment in patients with retinitis pigmentosa. *Researcher Bulletin of Medical Sciences*. 2021;26(1):e11-. [First Author]
36. Rajavi Z, Arabkhalilabad S, **Sabbaghi H**, Kheiri B, Abdi S. Comparison of medial rectus resection and plication in exotropic patients. *International Ophthalmology*. 2021 Jan;41(1):11-9. [Corresponding Author]
37. Katibeh M, **Sabbaghi H**, Kalantarion M, Nikkhah H, Mousavi B, Beiranvand R, Ahmadi H, Kallestrup P. Eye care utilization in a community-oriented mobile screening programme for improving eye health in Iran: A cluster randomized trial. *Ophthalmic Epidemiology*. 2020 Nov 1;27(6):417-28. [Co- Author]
38. Rajavi Z, **Sabbaghi H**, Kheiri B, Sheibani K. Lateral rectus resection versus lateral rectus plication in patients with residual Esotropia. *Strabismus*. 2020 Oct 1;28(4):194-200. [Corresponding Author]
39. **Sabbaghi H**, Ahmadi H, Jalili J, Behnaz N, Fakhri M, Suri F, Kheiri B, Rajabpour M, Entezari M, Daftarian N. Choroidal thickness in different types of inherited retinal dystrophies. *Journal of ophthalmic & vision research*. 2020 Jul;15(3):351. [First Author]
40. Behboudi H, Nikkhah H, Alizadeh Y, Katibeh M, Pakbin M, Ahmadi H, **Sabbaghi H**, Nourinia R, Karimi S, Behnaz N, Piryaeie G. A Population-based Study on the Prevalence and Associated Factors of Age-related Macular Degeneration in Northern Iran the Gilan Eye Study. *Ophthalmic Epidemiology*. 2020;27(3):209-18. [Co- Author]
41. **Sabbaghi H**, Daftarian N, Suri F, Mirrahimi M, Madani S, Sheikhtaheri A, Cremers FP, Najafi M, Mojarrah S, Ahmadi H. The first inherited retinal disease registry in Iran: research protocol and results of a pilot study. *Arch Iran Med*. 2020;23(7):445-454. [First Author]
42. Rajavi Z, **Sabbaghi H**, Behradfar N, Abdi S, Bahraini R, Kheiri B, Sheibani K. Motor and sensory outcomes of infantile exotropia: a 10-year study (2008-2017). *Korean Journal of Ophthalmology: KJO*. 2020;34(2):143. [Corresponding Author]
43. Behbahani S, Ramezani A, Karimi Moridani M, **Sabbaghi H**. Time-frequency analysis of photopic negative response in CRVO patients. *Seminars in Ophthalmology* 2020 Apr 2 (Vol. 35, No. 3, pp. 187-193). Taylor & Francis. [Co- Author]
44. Katibeh M, Mousavi B, Kalantarion M, **Sabbaghi H**, Abdolahi E, Nikkhah H, Ahmadi H, Kallestrup P. Using mHealth to improve eye care in remote areas of Iran. *Community Eye Health*. 2019;32(107):65. [Co- Author]
45. Rajavi Z, Feizi M, Nabavi SA, **Sabbaghi H**, Behradfar N, Yaseri M, Faghihi M, Abdi S. Slanted versus augmented recession for horizontal strabismus. *Journal of Ophthalmic & Vision Research*. 2019 Oct;14(4):465. [Corresponding Author]

46. Rajavi Z, **Sabbaghi H**, Amini Sharifi E, Behradfar N, Kheiri B. Comparison between patching and interactive binocular treatment in amblyopia: A randomized clinical trial. *J Curr Ophthalmol*. 2019;31(4):426-431. [Corresponding Author]
47. Daftarian N, Mirrahimi M, **Sabbaghi H**, Moghadasi A, Zal N, Dehghan Banadaki H, Ahmadi H, Suri F. PRPH2 mutation as the cause of various clinical manifestations in a family affected with inherited retinal dystrophy. *Ophthalmic Genet*. 2019;40(5):436-442. [Co- Author]
48. Rajavi Z, Norouzi S, **Sabbaghi H**, Yaseri M, Abdi S, Faghihi M. The effect of inferior oblique muscle weakening on horizontal alignment. *J Curr Ophthalmol*. 2019;31(3):298-304. [Corresponding Author]
49. Chapi M, **Sabbaghi H**, Suri F, Alehabib E, Rahimi-Aliabadi S, Jamali F, Jamshidi J, Emamalizadeh B, Darvish H, Mirrahimi M, Ahmadi H, Daftarian N. Incomplete penetrance of CRX gene for autosomal dominant form of cone-rod dystrophy. *Ophthalmic Genet*. 2019;40(3):259-266. [Co- First Author]
50. Mirrahimi M, **Sabbaghi H**, Ahmadi H, Jahanmard M, Hassanpour K, Suri F. A novel PAX6 mutation causes congenital aniridia with or without retinal detachment. *Ophthalmic Genet*. 2019;40(2):146-149. [Co- First Author]
51. Katibeh M, Kalantarion M, **Sabbaghi H**, Mousavi B, Schriver M, Nikkhah H, Ahmadi H, Kallestrup P. Designing a Screening Program for Prevention of Avoidable Blindness in Iran through a Participatory Action Approach. *J Ophthalmic Vis Res*. 2019;14(1):52-61. [Co- Author]
52. Rajavi Z, **Sabbaghi H**, Behradfar N, Abdi S, Bahraini R, Kheiri B. Motor and Sensory Outcomes of Infantile Exotropia: A Ten-Year Study (2008 - 2017). *J Ophthalmic Vis Res*. 2019; [Epub print] [Corresponding Author]
53. Ahmadi H, Nourinia R, Hafezi-Moghadam A, **Sabbaghi H**, Nakao S, Zandi S, Yaseri M, Tofighi Z, Akbarian S. Intravitreal injection of a Rho-kinase inhibitor (fasudil) combined with bevacizumab versus bevacizumab monotherapy for diabetic macular oedema: a pilot randomised clinical trial. *Br J Ophthalmol*. 2019;103(7):922-927. [Co- Author]
54. Maleki A, Nezamdust Z, Salari A, Ahmadi SS, **Sabbaghi H**, Bagherzadeh O, Ataollahi A, Yaseri M. The Effect of Intravitreal Bevacizumab on Central Serous Chorioretinopathy. *Med Hypothesis Discov Innov Ophthalmol*. 2018;7(4):176-182. [Co- Corresponding Author]
55. Rajavi Z, Gozin M, **Sabbaghi H**, Behradfar N, Kheiri B, Faghihi M. Reoperation in Horizontal Strabismus and its Related Risk Factors. *Med Hypothesis Discov Innov Ophthalmol*. 2018;7(2):73-82. [Corresponding Author]
56. Rajavi Z, **Sabbaghi H**, Behradfar N, Yaseri M, Aghazadeh Amiri M, Faghihi M. Macular Thickness in Moderate to Severe Amblyopia. *Korean J Ophthalmol*. 2018;32(4):312-318. [Corresponding Author]
57. Nikkhah H, Karimi S, Ahmadi H, Azarmina M, Abrishami M, Ahoor H, Alizadeh Y, Behboudi H, Daftarian N, Dehghan MH, Entezari M, Farrahi F, Ghanbari H, Falavarjani KG, Javadi MA, Karkhaneh R, Moradian S, Manaviat MR, Mehryar M, Nourinia R, Parvaresh MM, Ramezani A, Haghi AR, Riazi-Esfahani M, Soheilian M, Shahsavari M, Shahriari HA, Rajavi Z, Safi S, Shirvani A, Rahmani S, **Sabbaghi H**, Pakbin M, Kheiri B, Ziaei H. Intravitreal Injection of Anti-vascular Endothelial Growth Factor Agents for Ocular Vascular Diseases: Clinical Practice Guideline. *J Ophthalmic Vis Res*. 2018;13(2):158-169. [Co- Author]
58. Karimi A, Razaghi R, Biglari H, **Sabbaghi H**, Sera T, Kudo S. A comparative study to determine the optimal intravitreal injection angle to the eye: A computational fluid-structure interaction model. *Technol Health Care*. 2018;26(3):483-498. [Co- Author]
59. Rajavi Z, **Sabbaghi H**, Torkian P, Behradfar N, Yaseri M, Feizi M, Faghihi M, Sheibani K. The relationship between abduction deficit and reoperation among patients with infantile esotropia. *Int J Ophthalmol*. 2018;11(3):478-483. [Corresponding Author]
60. Rajavi Z, **Sabbaghi H**. Cyclic Esotropia: a Case Report. *Journal of Ophthalmic and Optometric Sciences*. 2018;2(2):25-9. [Corresponding Author]
61. Rajavi Z, **Sabbaghi H**, Abdi S. Acute Acquired Comitant Esotropia in Adults; a Case Report. *Journal of Ophthalmic and Optometric Sciences*. 2017;1(2):35-9. [Corresponding Author]

62. Rajavi Z, Feizi M, Naderi A, **Sabbaghi H**, Behradfar N, Yaseri M, Faghihi M. Graded versus ungraded inferior oblique anterior transposition in patients with asymmetric dissociated vertical deviation. *J AAPOS*. 2017;21(6):476-479.e1. [Corresponding Author]
63. Rajavi Z, Feizi M, Behradfar N, Yaseri M, Sayanjali S, Motevaseli T, **Sabbaghi H**, Faghihi M. Inferior Oblique Overaction: Anterior Transposition Versus Myectomy. *J Pediatr Ophthalmol Strabismus*. 2017;54(4):232-237. [Co- Author]
64. Katibeh M, Behboudi H, Moradian S, Alizadeh Y, Beiranvand R, **Sabbaghi H**, Ahmadi H. Rapid Assessment of Avoidable Blindness and Diabetic Retinopathy in Gilan Province, Iran. *Ophthalmic Epidemiol*. 2017;24(6):381-387. [Co- Author]
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66. Rajavi Z, **Sabbaghi H**, Abdi S. Acute Acquired Comitant Esotropia in Adults; a Case Report. *Journal of Ophthalmic and Optometric Sciences*. 2017;1(2):35-9. [Corresponding Author]
67. Rajavi Z, **Sabbaghi H**, Amini Sharifi E, Behradfar N, Yaseri M. The role of Interactive Binocular Treatment system in amblyopia therapy. *J Curr Ophthalmol*. 2016;28(4):217-222. [Corresponding Author]
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69. Rajavi Z, **Sabbaghi H**. Congenital Cataract Screening. *J Ophthalmic Vis Res*. 2016;11(3):310-2. [Corresponding Author]
70. Allahdady F, Aghazadeh Amiri M, Shushtarian M, Tabatabaee Seyed M, Sahraei F, Shojaei Baghini A, **Sabbaghi H**, Sheibani K. Comparison of Visual Evoked Potential and Electro-oculogram Tests in Early Detection of Hydroxychloroquine Retinal Toxicity. *Journal of Ophthalmic and Optometric Sciences*. 2016;1(1):20-7. [Co- Author]
71. Rajavi Z, Mokhtari S, **Sabbaghi H**, Yaseri M. Long-term visual outcome of congenital cataract at a Tertiary Referral Center from 2004 to 2014. *J Curr Ophthalmol*. 2016;27(3-4):103-9. [Corresponding Author]
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73. Rajavi Z, **Sabbaghi H**, Baghini AS, Yaseri M, Sheibani K, Norouzi G. Accuracy and Repeatability of Refractive Error Measurements by Photorefractometry. *J Ophthalmic Vis Res*. 2015;10(3):221-8. [Corresponding Author]
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75. Rajavi Zh, Daneshvar F, Ramezani A, Yaseri M, **Sabbaghi H**, Sheibani K. Vision Therapy/Orthoptics among Three to Seven-Year-Old Children. *Novel Biomed*. 2015;3(3):111-18. [Corresponding Author]
76. Momeni-Moghaddam H, Eperjesi F, Kundart J, **Sabbaghi H**. Induced vertical disparity effects on local and global stereopsis. *Curr Eye Res*. 2014;39(4):411-5. [Co- Author]
77. **Sabbaghi H**. Key Factors in Differential Diagnosis of Sixth Nerve Paresis from Duane Retraction Syndrome". *Basir Journal of Ophthalmology* 2014;10(47):11-13. [Article in Persian] [First Author]
78. **Sabbaghi H**. Visual Examinations in Headaches. *Basir Journal of Ophthalmology* 2013;10(45):15-20. [Article in Persian] [First Author]
79. **Sabbaghi H**. Headaches due to Ocular and Visual Disorders. *Basir Journal of Ophthalmology* 2013;10(46):17-24. [Article in Persian] [First Author]

BOOKS

- Javadi MA, Faramarzi A, Karimian F, Feizi S, Rahmani S, Delfazayebaher S, Mohammad-Rabei H, Najdi D, **Sabbaghi H**. Corneal Tomography (Pentacam and Galilei Corneal Tomography). 2019. Entasharat Farda publisher. Edition 1. [Book in Persian]

CONGRESS PRESENTATION & PARTICIPATION

- *Prominent oral presentations*
 - In all 24th to 29th Annual Congresses of Iranian Ophthalmology Society, Iran from 2016 to 2021
 - 6th Annual Meeting of the Iranian Research Association for Vision and Ophthalmology (IRAVO), Iran, February 2016
 - 2nd International Conference on Diseases and Health Outcomes, Iran, November 2018
- *Invited speaker*
 - In all 18th to 25th Annual Congresses of Iranian Society of Optometry, Iran from 2016 to 2023
- *Poster presentation*
 - 11th Iranian Research Association for Vision and Ophthalmology (IRAVO), Iran, February 2022
Subjects: 1) Optical Coherence Tomography Angiography in Patients with Amblyopia; 2) Choroidal Thickness in Different Types of Inherited Retinal Dystrophies; 3) Retinal Vascular Abnormalities in Different Types of Inherited Retinal Dystrophies Assessed by Optical Coherence Tomography Angiography
 - American Medical Informatics Association (AMIA) Annual Symposium, USA, November 2019
Subject: A Novel Classification of Inherited Retinal Dystrophies
 - 8th Iranian Research Association for Vision and Ophthalmology (IRAVO), Iran, April 2018
Subjects: 1) A population based study on prevalence and risk factors of age related macular degeneration in North of Iran: The Gilan Eye Study; 2) Prevalence of Refractive Errors in Elderly Population: The Gilan Eye Study
 - American Association for Pediatric Ophthalmology and Strabismus (AAPOS) - JAPO - JASA Joint Meeting - an Intercontinental Perspective of Pediatric Ophthalmology & Strabismus, Japan, November-December 2014
Subjects: 1) Accuracy and repeatability of the refractive error measurements by photorefractometer; 2) The screening prevalence of amblyopia and refractive errors among 7 to 12-year-old primary school children of Tehran, Iran; 3) The prevalence of color vision deficiency and its correlation with amblyopia and refractive error among primary school children; 4) Vision therapy/ orthoptics in three to seven-year-old children
 - American Academy of Optometry (AAOPT) Annual Meeting, USA, September 2013
Subject: Induced vertical disparity effects on local and global stereopsis

- *Congress participation*
 - The International Agency for the Prevention of Blindness (IAPB)'s global hybrid event, Dubai, March 2022
 - 1st Eastern Mediterranean Council Of Optometry (EMCO), Lebanon, May 2015
 - American Association for Pediatric Ophthalmology and Strabismus (AAPOS) - SPOSI Joint Conference, India, December 2016
 - 1st International Conference on Diseases and Health Outcomes, Iran, January 2017

POSTGRADUATE THESIS

- *PhD Students*
 - Development of an Expert Intelligent System for Determination of the Most Appropriate Surgical Treatment in Patients with Intermittent Exotropia [First Supervisor]
 - Developing an Intelligent Screening System for Age-Related Macular Degeneration [Consultant]
 - Design and Evaluation of Decision Support System Based on Artificial Intelligence in Early Detection of Cystoid Macular Edema in Patients with Retinitis Pigmentosa [Consultant]
- *Master Students*
 - Evaluation of Retinal Vascular Density in Different Types of Refractive Errors Using Optical Coherence Tomography Angiography [First Supervisor]
 - The Effects of the Environmental Factors in Disease of Retinitis Pigmentosa [First Supervisor]
 - Evaluation of Intracranial Pressure by Image Analysis of Optic Disc in Patients with Bardet-Biedl Syndrome Pigmentosa [First Supervisor]
 - The Efficacy of Interactive Binocular Treatment (I- BiT) in Adult Patients with Anisometropic Amblyopia [First Supervisor]
 - Comparison of The Effect of RGP and Scleral Lenses on Binocular Vision and Accommodation Function in Keratoconus Patients [First Supervisor]
 - Measurement of the Fundus Torsion Following Inferior Oblique Muscle Weakening using Image J Software [First Supervisor]
 - The screening of strabismus using telemedicine: a systematic review [First Supervisor]
 - Prevalence of self- reported computer vision syndrome symptoms and associated factors among medical students in West, Iraq [First Supervisor]
 - Evaluation of the accommodative function in autistic children [First Supervisor]
 - The comparison of accuracy of the refractive errors measurement between manual retinoscopy and auto-refractometer in children [First Supervisor]
 - Vision Related Quality of Life in Patients with Retinal Vein Occlusion [Consultant]
- *Bachelor Student*
 - The Effect of Refractive Errors Prescription on Emmetropization in Children with Borderline Hyperopia [First Supervisor]

TEACHING EXPERIENCE

Theoretical and practical courses in Optometry (bachelor, master and PhD students) (October 2014 – present)

- Pediatric Optometry
- Binocular Vision Anomalies and Strabismus

- Binocular Vision Neural Mechanisms
- Clinical Optometry
- Advanced Vision Therapy in Eye Deviations

HOLDING SEMINARS & WORKSHOPS

- *Congress*
 - Non- Surgical Management of Presbyopia (Webinar), September 2023
 - Scientific Secretary of the 10th Iranian Association of Optometry, October 2022
 - Scientific Secretary of the 5th Optometry Students, May 2016
- *Workshops*
 - How to Establish an Eye Disease Registry, August 2019
 - Disease Registry and Health Outcomes in Medicine, February 2019
 - Research Methodology in Ophthalmology, November 2021
 - Systematic Search and Meta- analysis in Ophthalmology, December 2020

HONORS & AWARDS

- The premier PhD thesis, 12th Shams Ophthalmology and Vision Sciences Festival, Farabi Eye Hospital, Tehran, February 2020
- The premier speaker at the section of Retina, 29th Annual Congresses of Iranian Ophthalmology Society, October 2019
- The premier speaker at the section of Strabismus & Neuro-ophthalmology, 29th Annual Congresses of Iranian Ophthalmology Society, October 2019
- The premier national Registry for Eye Diseases in Iran (The National Registry for Inherited Retinal Diseases), 2nd International Conference on Diseases and Health Outcomes, Iran, November 2018

REVIEWER

- Journal of Survey of Ophthalmology
- Journal of PLUS ONE
- European Journal of Ophthalmology
- Journal of BMJ Open
- Journal of Strabismus
- Journal of American association for Pediatric Ophthalmology and Strabismus (AAPOS)
- Journal of Scientific Reports
- Journal of Clinical Medicine
- Journal of Therapeutic Advances in Ophthalmology
- Journal of Ophthalmology
- Journal of Ophthalmology and Therapy
- Journal of Seminars in Ophthalmology
- Journal of Clinical and Experimental Optometry
- International Journal of Ophthalmology
- Journal of Heliyon
- Journal of Ophthalmic & Vision Research
- Journal of Current Ophthalmology
- Archives of Ophthalmology and Eye Disorders

- Bina Journal of Ophthalmology
- Journal of Ophthalmic and Optometric Sciences
- The 5th Congress of Optometry Students in Iran, May 2016
- Internal reviewer of more than 30 postgraduate theses of the optometry students
- Research projects (proposals) of the Ophthalmic Research Center, Research Institute for Ophthalmology and Vision Science, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Non- academic Activities

- Professional Member of the Badminton Sport Team of Danesh high school and Shahid Beheshti University of Medical Sciences (2001 – present)

COMPUTER & LANGUAGE SKILLS

- Persian Language (Native)
- English language (Upper intermediate)
- SPSS
- Microsoft Office (Word, PowerPoint & Excel)