

Dr Asieh Ehsaei

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Personal Details

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Current status

Associate Professor in Optometry and Vision Sciences, Department of Optometry, School of Paramedical Sciences, Mashhad University of Medical Sciences, Mashhad, Iran.

Registered Optometrist in Iran (August 2006, number: B-533) and in the UK (October 2021, GOC number: 01-33082)

Personal Profile

A PhD graduate in the field of Optometry and Vision Science who is a trained optometrist and research professional with a balance between practical and academic skills. Ready, willing and able to play a key role in academic research. Adept at working logically and methodically at all levels to achieve the desired results.

An Optometrist with 10 years' clinical experience in comprehensive eye care, including extensive practice in the evaluation and management of visual function, contact lenses, refractive errors and ocular physiopathology.

**Educational
Background****General Optical Council Registration, UK****April 2021-October 2021**

Adaptation period for registration as an optometrist in the UK includes supervised practice in:

Mulberry & Broome Eyecare, Bolton, UK

Gloucestershire Hospitals NHS Foundation Trust, Gloucester and Cheltenham, UK

University of Bradford,**September 2007-June 2012****Bradford School of Optometry and Vision Science , UK**

PhD in Optometry and Vision Science

Thesis title:

"An investigation of the relationship between the structure and function of the myopic eye"

Supervisors: Professor Edward Mallen, Dr Catharine Chisholm, Dr Ian Pacey

University of Manchester,**September 2006-June 2007****Department of Optometry, UK**

Postgraduate Certificate in Investigative Ophthalmology and Vision Science

Supervisor: Professor David Henson

Mashhad University of Medical Sciences,**September 2000-August 2004****Mashhad, Iran**

BSc (Optom) in Optometry

Thesis:

"Effect of cholesterol, triglyceride and fasting blood sugar on the rate of corneal arcus"

Supervisor: Dr Abbas Azimi

Relevant Employment Experience

Associate Professor of Optometry and Vision science, **March 2019-Present**
Department of Optometry, Mashhad University of Medical Sciences
Mashhad, Iran

Assistant Professor of Optometry and Vision science, **April 2013-March 2019**
Department of Optometry, Mashhad University of Medical Sciences
Mashhad, Iran

Associate Dean **June 2013-Present**
Refractive Errors Research Centre,
Mashhad University of Medical Sciences
Mashhad, Iran

Research Fellow **October 2012-March 2013**
Khatam-Al-Anbia Eye Hospital
Mashhad University of Medical Sciences
Mashhad, Iran

PhD Student, Clinical Demonstrator **July 2007-June 2012**
University of Bradford, School of Optometry and Vision Science
Bradford, United Kingdom

- Taught up to 120 optometry undergraduate students in an academic year in Clinical Optometry
- Designed and implemented experiments and handled and interpreted large datasets
- Presented results in departmental meetings and national and international scientific meetings
- Ensured deadlines and targets were met by organizing and managing daily and weekly schedules
- Developed transferable skills such as project and time management, the ability to critically analyze and synthesize new and complex information, designed and implemented solutions to research problems and effectively interpreted and communicated results
- Exhibited knowledge of advances and developments in the field

Sadra Medical Centre, Mashhad, Iran **January 2005-August 2006**
Optometrist

Optometry clinic, Mosabne-Jafar Hospital, **October 2004- March 2005**
Mashhad, Iran
Optometrist

Research

A continuing theme of my research is an investigation of the visual function and structure of refractive error, with a special interest in myopia. Myopia investigations has been of particular interest, mainly due to the increase in prevalence of this condition in East-Asian countries. Additionally, surgical correction of refractive errors is becoming increasingly popular. The functional and structural changes of the eye after refractive surgeries are also my fields of interest. My research and development has resulted in a number of papers published in scientific journals and also several postgraduate thesis.

Administration

Journal club & postgraduate research seminar co-ordinator **May 2013-July 2020**

Department of Optometry,
Mashhad University of Medical Sciences, Mashhad, Iran

Education Development Centre (EDC) representative **August 2013-July 2016**

Department of Optometry,
Mashhad University of Medical Sciences, Mashhad, Iran

Reviewer for academic journals

Clinical Ophthalmology
International Ophthalmology
Eye and Contact Lens
Clinical Optometry
Optometry and Vision Science
Eye and Vision
Journal of Current Ophthalmology
Plos one
Current Eye Research
Clinical and Experimental Optometry

Membership of Professional Societies

General Optical Council (GOC)
British Contact Lens Association (BCLA)
Association of Optometrists (AOP)
College of Optometrist, UK
Association for Research in Vision and Ophthalmology (ARVO)
European Association for Vision and Eye Research (EVER)

Publications

- 1- N Moghadas Sharif, H Hoseini-Yazdi, R Daneshvar, H Radhakrishnan, Nasser Shoeibi, **Asieh Ehsaei**, Michael J Collins. Seasonal variations in anterior segment angle parameters in myopes and emmetropes. 2023, 1-7.
- 2- ZP Ramin Daneshvar, Asieh Ehsaei, Nasrin Moghadas Sharif. Comparison of Visual Field Measurements in Glaucomatous Eyes using Oculus and Metrovision Perimeters. Journal of current ophthalmology, 2023, 35 (1), 17-22.
- 1- Zarei-Ghanavati S, Hassanzadeh S, Azimi Khorasani A, **Ehsaei A**, Bakhtiari E. Efficacy of five-flash intense pulsed light therapy technique in patients with meibomian gland dysfunction. Clinical and Experimental Optometry, 2022, 105 (7), 687-693.
- 2- Zarei-Ghanavati S, Hassanzadeh S, Azimi Khorasani A, **Ehsaei A**. The effect of meibomian gland dysfunction treatment on sleep quality. Journal of Current Ophthalmology, 2021, 33(3), 272-276.
- 3- Yazdani N, **Ehsaei A**, Hoseini-Yazdi H, Shoeibi N, Alonso-Caneiro D, Collins MJ. Wide-field choroidal thickness and vascularity index in myopes and emmetropes. Ophthalmic and Physiological Optics, 2021, 41(6), 1308-1319.
- 4- Karimpour M, Moghadas Sharif N, Shoeibi N, Yazdani N, **Ehsaei A**. Agreement of ocular biometry measured by lenstar LS 900 and Casia2 optical coherence tomography. Reviews in Clinical Medicine, 2021, 8(1), 6-10.
- 5- **Ehsaei A**, Moghadas Sharif N, Shoeib N, Heydari M, Yazdani N, Ghasemi-moghaddam S. Effect of cyclopentolate versus tropicamide on anterior segment angle parameters in three refractive groups. Clinical and Experimental Optometry 2021, 104(2), 151-155.
- 6- Yazdani N, Sadeghi R, **Ehsaei A**, Taghipour A, Hassanzadeh S, Zarifmahmoudi L, Heravian Shandiz J. Under-correction or full correction of myopia? A meta-analysis. Journal of Optometry, 2021, 14(1), 11-19.
- 7- Moniritalaki MR, Badakhsh M, **Ehsaei A**, Daneshvar R. The Effect of Contact Lens-spectacle Reversed Galilean Telescope on the Visual Field of Patients with Open-angle Glaucoma. Journal of Ophthalmic and Vision Research. 2020, 15(4), 502-508.
- 8- Azimi Khorasani A, **Ehsaei A**, Gerami M, Hassanzadeh S, Yazdani N. The effect of workplace and unusual working hours on dry eye symptoms of petrochemical industry workers. Iran Occupational Health, 2020, 17 (1), 1-9.
- 9- Yazdani N, Moghadas Sharif N, Karimpour M, **Ehsaei A**. Assessment of the pupil size in emmetropic and myopic eyes. Reviews in Clinical Medicine. 2021, 7(3), 110-113.
- 10- Ameri Golestan Z, Moghadas Sharif N, Shoeibi N, **Ehsaei A**, Eslampour A, Kadkhoda M, Heravian Shandiz J. Effect of Phacoemulsification on Macular

Thickness and Volume in Diabetic Patients without Retinopathy. *Reviews in Clinical Medicine*. 2020, 7(1), 10-14.

- 11- **Ehsaei A.** Moghadas Sharif N, Yazdani N, Shahkarami L, Ostadi Moghaddam H. Analysis of age, gender, and refractive error-related changes of the anterior corneal surface parameters using oculus keratograph topography. *Journal of Current Ophthalmology*, 2020, 32(3), 263-267.
- 12- Moghadas Sharif N, Shoeibi N, **Ehsaei A.** Atchison D. Structure versus function in high myopia using optical coherence tomography and automated perimetry. *Clinical and Experimental Optometry*, 2019, 102(3), 335-340.
- 13- Mahjoob M, Heravian J, Mirzajani A, **Ehsaei A.** Jafarzadehpour E. Normative values of visual evoked potentials in Northeastern of Iran. *Journal of Optometry*, 2019, 12(3), 192-197.
- 14- Abolbashari F, **Ehsaei A.** Daneshvar R, et al. The effect of trabeculectomy on contrast sensitivity, contrast topography and aberrations. *International Ophthalmology*, 2019, 39(2), 281-286.
- 15- Ostadimoghaddam H, Mohammadi Z, Yazdani N, Hasanzadeh S, Sobhani-Rad D, Heravian Shandiz J, Khabazkhoob M, **Ehsaei A.** The effect of binocular disorders and colored filters on reading ability of dyslexic children. *Journal of Paramedical Sciences & Rehabilitation*, 2019, 8(2), 29-36.
- 16- Yazdani N, Sadeghi R, Momeni Moghaddam H, Zarifmahmoudi L, **Ehsaei A.** Comparison of cyclopentolate versus tropicamide cycloplegia: A systematic review and meta-analysis. *Journal of Optometry*, 2018, 11(3), 135-143.
- 17- Shoeibi N, Moghadas Sharif N, Daneshvar R, **Ehsaei A.** Visual field assessment in high myopia with and without tilted optic disc. *Clinical and Experimental Optometry*, 2017, 100(6), 690-694.
- 18- Banaee T, Pourreza H, Doosti H, Abrishami M, **Ehsaei A.** Basiry M, Pourreza R. Distribution of Different Sized Ocular Surface Vessels in Diabetics and Normal Individuals. *Journal of Ophthalmic and Vision Research*, 2017, 12(4), 361-367.
- 19- Yazdani N, Shahkarami L, OstadiMoghaddam H, **Ehsaei A.** Topographic determination of corneal asphericity as a function of age, gender and refractive error. *International Ophthalmology*, 2017, 37(4), 807-812.
- 20- Yazdani N, Sadeghi R, Momeni-Moghaddam H, Zarifmahmoudi L, **Ehsaei A.** Barrett BT. Part-time versus full-time occlusion therapy for treatment of amblyopia: A meta-analysis. *Journal of Current Ophthalmology*, 2017, 29(2), 76-84.

- 21- **Ehsaei A**, Hosseini Abardeh M, Ostadimoghaddam H, Yazdani N. An investigation of the visual function in maintenance stage of treatment with methadone in drug addicted individuals. *Journal of Paramedical Sciences & Rehabilitation*, 2017, 6 (3), 44-50.
- 22- Moghaddas Sharif N, Shoeibi N, **Ehsaei A**, Mallen E.A.H. Optical coherence tomography nd biometry in high myopia with tilted disc. *Optometry and Vision Sciences*, 2016, 93 (11), 1380-1386.
- 23- Zarei-Ghanavati S, Gharaee H, Eslampour A, **Ehsaei A**. Stereoacuity after photorefractive keratectomy in myopia. *Journal of Current Ophthalmology*, 2016, 28 (1), 17-20.
- 24- Yekta A, Ostadimoghaddam H, Sobhani Rad, Esmaeili A, Salehinejad Z, **Ehsaei A**, Heravian J. An Investigation of the Visual Function of Dyslexic Children. *International Journal of Ophthalmology & Eye Science*, 2015, 3(5):110-113.
- 25- Gharaee H, Abrishami M, **Ehsaei A**, Shafiee M. White-to-White Corneal Diameter: Normal values in healthy Iranian population obtained with the Orbscan II. *International Journal of Ophthalmology*, 2014, 18;7(2):309-312.
- 26- Eslampour AR, Abrishami M. **Ehsaei A**. Effect of topical diclofenac on postoperative photorefractive keratectomy pain: a randomized controlled trail. *Clinical and Experimental Ophthalmology*, 2014, 42(9):810-814.
- 27- Ehsaei MR, Heidari M, Karimiani EG, **Ehsaei A**. Ophthalmic complications among cases of head trauma in North-eastern Iran. *International Ophthalmology*, 2014, 34(4):825-829.
- 28- Banaee, T., **Ehsaei, A.**, Pourreza, H., Khajedaluee, M., Mojtaba Abrishami, M., Basiri M., Daneshvar Kakhki, R. & Pourreza, R. Distribution of normal superficial ocular vessels in digital images. *Contact lens and anterior eye*, 2014, 37(1), 11-15.
- 29- **Ehsaei A**, Chisholm C.M., Pacey I.E. & Mallen E.A.H. Off-axis partial coherence interferometry in myopes and emmetropes. *Ophthalmic and Physiological Optics*, 2013, 33(1), 26-34.
- 30- **Ehsaei, A.**, Chisholm, C.M., Pacey, I.E. & Mallen, E.A.H. Visual performance fall-off with eccentricity in myopes versus emmetropes. *Journal of Optometry*, 2013, 6(1), 36-44.
- 31- **Ehsaei, A.**, Chisholm, C.M., Maclsaac, J.C., Mallen, E.A.H. & Pacey, I.E. Central and peripheral visual performance in myopes: contact lenses versus spectacles. *Contact Lens and Anterior Eye*, 2011, 34(3), 128-132.

- 32- **Ehsaei, A.**, Chisholm, C.M., Mallen, E.A.H. & Pacey, I.E. The effect of instrument alignment on peripheral refraction measurements by automated optometer. *Ophthalmic and Physiological Optics*, 2011, 31(4), 413-420.
- 33- **Ehsaei, A.**, Mallen, E.A.H., Chisholm, C.M. & Pacey, I.E. Cross-sectional sample of peripheral refraction in four meridians in myopes and emmetropes. *Investigative Ophthalmology and Visual Science*, 2011, 52(10), 7574-7585.
- 34- **Ehsaei A.**, Chisholm CM, Mallen EAH. & Pacey, IE. Peripheral Visual Function in Myopia and Emmetropia. *Investigative Ophthalmology & Visual Science*, 2011, 51(5), ARVO E-Abstract, 3933.
- 35- Faraji Rad, M., Ehsaei, M.R., **Ehsaei, A.** Karimiani, E.G. Ocular Findings in patients with brain tumors. *Ofogh-e-danesh, Journal of Gonabad University of Medical Sciences*, 2004, 10(2), 5-10.

Posters

Yekta A, Sedaghat MR, Momeni H, Danesh Z, **Ehsaei A**. Changes in the ABCD keratoconus grade after corneal cross linking. European Association for Vision and Eye Research Conference, Nice, France, December 2019.

Ehsaei A, Menbari A, Heidari SR, Sedaghat MR. Peripheral refraction in myopic patients after photorefractive keratectomy. 17th international Myopia Conference, Birmingham, United Kingdom, September 2017.

Ehsaei A, Moghadas Sharif, Shoeibi N. An investigation of the correlation between functional and structural changes in tilted and non-tilted high myopic eyes. European Association for Vision and Eye Research Conference, Nice, France, October 2016.

Ehsaei A, Yazdani N, Ostadi Moghjadam H, Shahkarami L. Clinical evaluation of oculus keratograph corneal topographer in normal population. European Association for Vision and Eye Research Conference, Nice, France, October 2016.

Ehsaei A, Chisholm CM, Mallen EAH, Pacey IE. The importance of autorefractor alignment for peripheral refraction measurement. British Contact Lens Association (BCLA), Manchester, United Kingdom, May 2011.

Ehsaei A, Chisholm CM, Mallen EAH, Pacey IE. Cross sectional sample of oblique peripheral refraction myopia. 13th International Myopia Conference, Tübingen, Germany, July 2010.

Ehsaei A, Chisholm CM, Mallen EAH, Pacey IE. Peripheral Visual Function in Myopia and Emmetropia, The Association for Research in Vision and Ophthalmology (ARVO Annual Meeting), Fort Lauderdale, USA, May 2010.

Ehsaei A, Chisholm CM, Mallen EAH, Pacey IE. Para-central visual performance in myopia and Emmetropia. College of Optometrist annual Symposium, York, United Kingdom, April 2010.

Ehsaei A, Chisholm CM, Mallen EAH, Pacey IE. Para-central visual performance in myopia and Emmetropia. Research Open Day, University of Bradford, United Kingdom, March 2010.

Azimi A, **Ehsaei A**, Saadat B. Study of effect of cholesterol, triglyceride and fasting blood sugar on the rate of corneal arcus. The fourth Asian Conference on Vision (ACV2006), Matsue, Japan, July 2006.

Research Presentations in Seminars

Visual field analysis. Optometry and Vision Sciences Congress. Mashhad, Iran. November 2018.

Risk factors and myopia control strategies in children. Amblyopia and Prescription in Children Congress, Mashhad, Iran. December 1017.

Peripheral refraction and myopia control. 17th Congress of Khorasan Optometry, Mashhad, Iran. May 2017.

Structural and functional changes in myopic tilted disc. 19th Optometry Congress of Iran, Tehran, Iran. August 2016.

Kerasoft Lens fitting. Computer Vision Syndrome Congress, Mashhad, Iran, February 2015.

Ocular shape in myopia. 15th Iranian Congress of Optometry, Tehran, Iran. August 2012.

Visual performance in myopia. *British Contact lens Association annual conference (BCLA)*, Birmingham, United Kingdom. May 2010.

Effect of cholesterol, triglyceride and fasting blood sugar on the rate of corneal arcus. *7th Optometry Congress of Iran*, Tehran, Iran. August 2004.

Ocular findings in patients with brain tumors. *14th Iranian congress of ophthalmology*, Tehran, Iran. December 2004.

Awards

Francis Raymond Hudson Memorial Fund Award for presenting my research at British Contact Lens Association (BCLA) annual conference in May 2010 from University of Bradford, United Kingdom. January 2010.

Brain grant for presenting my research at ARVO 2010 annual meeting conference in USA from UCL Institute of Cognitive Neuroscience, London, United Kingdom, February 2010.

Language Certificate

TOEFL: Test of English as a Foreign Language with overall score of 603/667 (paper-based), August 2006.

Referees**Professor Edward Mallen**

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