

## CURRICULUM VITAE

### I. PERSONAL INFORMATION

Name: **Siamak Zarei-Ghanavati**

Sex: Male

Date of birth: 1977

Place of birth: Mashhad, Iran

Nationality: Iranian

Language: Farsi, English

#### Work addresses;

**1. Siamak Zarei-Ghanavati, MD, FICO**

**Assistant Professor of Ophthalmology**

Cornea Division and Eye Research Center of Mashhad University of Medical Sciences (MUMS),

Khatam-al-Anbia Eye Hospital,

Abootaleb Blvd,

Mashhad, Iran

Phone: +98 511 7281401-2

Fax: +98 511 7245363

Email: [zareis@mums.ac.ir](mailto:zareis@mums.ac.ir) ,

Web Page: <http://www.mums.ac.ir/erc/fa/drzarej>

## II. SCIENTIFIC POSITIONS

1. **Assistant Professor of Ophthalmology**, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, October 11, 2006-Now.
2. **Fellowship Host** for International Council of Ophthalmology (**ICO**) **Fellowship Program** in the field of Cornea (The first fellowship host in Iran and third in the Mideast), 2012-Now. ["http://www.icoph.org/refocusing\\_education/fellowships/fellowship\\_host\\_directory/fellowship\\_host\\_detail/99/ZAREI-GHANAVATI-Siamak-MD-FICO.html"](http://www.icoph.org/refocusing_education/fellowships/fellowship_host_directory/fellowship_host_detail/99/ZAREI-GHANAVATI-Siamak-MD-FICO.html)
3. **Member of Special Talent of Iran**
4. **Member of the American Academy of Ophthalmology (AAO)**, 2010-Now.
5. **Member of the International Cornea Society**, 2010-Now.
6. **Member of the Association for Research in Vision and Ophthalmology (ARVO)**, 2010-Now.
- 7.
8. **Member of the American Society of Cataract and Refractive Surgery (ASCRS)**, 2010-Now.
9. **Member of Clinical Research Committee of Research Vice Cancellor**, Mashhad University of Medical Sciences, Mashhad, Iran, 2009-Now.
10. **Member of Research Committee of Eye Research Center**, Mashhad University of Medical Sciences, Mashhad, Iran, 2006-Now.
11. **Member of Iranian Society of Ophthalmology**, 2006-Now.
12. **Member of Iranian Association of Surgeons**, 2006-Now.
13. **Member of Eye Research Center**, Mashhad University of Medical Sciences, Mashhad, Iran, 2006-Now.
14. **Member of Special Talent Guide Committee, Ministry of Health and Education**, Tehran, Iran, 2006-2009.
15. **Educational Department Advisor** of Mashhad University of Medical Sciences, Mashhad, Iran, 2006- 2008.

## III. EDUCATION AND CERTIFICATION

1. **Fellowship in Ocular surface Disease and Keratoprosthesis**, Bascom Palmer Eye Institute, University of Miami, Miami , USA, July 1, 2011-January 3, 2012.

2. **Fellowship in Cornea-External Ocular Disease, Cataract and Refractive Surgery**, (The program was approved by the State of California Medical Board for section 2111 appointment, which grants foreign medical graduate direct clinical work in the clinical and operating room), Jules Stein Eye Institute, David Geffen School of Medicine, University of California, Los Angeles (UCLA), Los Angeles, USA, July 1, 2010- June 30, 2011.
3. **Advance ICO** (International Council of Ophthalmology) **Exam Certification**, Entitled to use post-nominal acronym "**FICO**" (Fellow of International Council of Ophthalmology), 2010.
4. Student of **Medical Education** (MSc), Shahid Beheshti Medical University, Tehran, Iran, March 1, 2009-Now.
5. **Fellowship in Cornea and Anterior Segment**, Labbafinejad Medical Center, Shahid Beheshti Medical University, Tehran, Iran, September 23, 2007-December 20, 2008.
6. **Basic, Optic & Refraction and Clinical ICO** (International Council of Ophthalmology) **Exam Certification** with "**Distinction**" degree, 2007.
7. **Iranian Board Certification** in Ophthalmology and Ophthalmic Surgery (**first rank in the country**).Tehran, Iran, 2006.
8. **Ophthalmology Residency** (Chief Resident), Khatam-al-Anbia Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran, September 23, 2002- September 22, 2006.
9. **Grade "A"** graduation from Mashhad University of Medical Sciences, Mashhad, Iran, September 22, 2002.
10. **Internship**, rotational courses in different wards at Emamreza,Qaem, Shahid Kamyab, Ebnesina Hospitals, 2000-2002.
11. **Medical Student and Externship**, rotational courses in different wards at Emamreza,Qaem,Shahid Kamyab, Ebnesina Hospitals,1998-2000.
12. **Basic Sciences**, Mashhad Medical School, Mashhad, Iran, September 23, 1995- September 23, 1998.

#### **IV. AWARDS, HONORS AND DISTINCTIONS**

1. "**Nasional Razi Festival Award**" of **top Surgical Sciences Researcher**, 18th annual Razi Medical Sciences Research. Festival, Tehran, Iran, 2012.
2. **International Council of Ophthalmology (ICO) Fellowship Award**, for training at Bascom Palmer Eye Institute, Miler School of Medicine, University of Miami (UM) , Miami, USA, 2011.

3. **ICO–Helmerich RRF Fellowships Award 2010** (Two Helmerich International Fellowships are awarded each year to young ophthalmologists by ICO. The Helmerich Fellowships are designed to provide advanced subspecialty training to ophthalmologists), for training at Jules Stein Eye Institute, David Geffen School of Medicine, University of California, Los Angeles (UCLA) , Los Angeles, USA, 2010.
4. **“Top Researcher Award”**, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2012.
5. **“International Council Scholar”** honor, in recognition exceptional standard achieved in clinical sciences assessment, 2007.
6. **First rank with “Distinction” degree of ICO (International Council of Ophthalmology) Assessment** (first rank among the 1647 candidates at 92 test centers in 61 countries). ICO prize was awarded for the most outstanding performance on examination by Professor David Taylor, ICO Assessments Director, 2007.
7. **First rank of Iranian National Board Certification in Ophthalmology and Ophthalmic Surgery** in the country (among the 56 graduated ophthalmologists), Tehran, Iran, 2006.
8. **First rank of Pre-residency exam in the country** (among the 11820 general physicians), 2002.
9. **Distinguished graduated physician (grade A, 1%Top)**, Mashhad University of Medical Sciences, (among the 390 medical students), 2002.
10. **Second rank of Pre-internship exam in the country** (among the 4325 medical students), 2001.

## V. WORKING EXPERIENCES

1. **Assistant professor of Basic and Clinical ophthalmology** (full time), Mashhad University of Medical Sciences, Mashhad, Iran, 2006- Now.
2. **Member of Clinical Research Committee of Research Vice Cancellor**, Mashhad University of Medical Sciences, Mashhad, Iran, 2009-Now.
3. **Member of Research Committee of Eye Research Center**, Mashhad University of Medical Sciences, Mashhad, Iran, 2006-Now.
4. **Reviewer of Journal of Ophthalmic and Vision Research (JOVR)**, 2008-Now.
5. **Reviewer of Ophthalmic Surgery Lasers and Imaging Journal**, 2008-Now.
6. **Question Writer for International Council of Ophthalmology (ICO) Assessment**, 2008.

7. **Member of Special Talent Guide Committee, Ministry of Health and Education**, Tehran, Iran. 2006-2009.
8. **Educational Department Advisor** of Mashhad University of Medical Sciences, Mashhad, Iran, 2006- 2008.

## VI. RESEARCHES AND PUBLICATIONS

1. **Siamak Zarei-Ghanavati**. Refractive Surgical Problem, January consultation #5. Journal of Cataract and Refractive Surgery (J Cataract Refract Surg.) 2013 Jan;39(1):51-52. PMID: 23245374. (Corresponding author).[ISI]
2. Sabermoghaddam AA, **Zarei-Ghanavati S**, Abrishami M.Effects of Chalazion Excision on Ocular Aberrations. Cornea. 2012 Oct 18. [Epub ahead of print].PMID: 23086368. [ISI]
3. **Siamak Zarei-Ghanavati**, Arturo Ramirez-Miranda, Fei Yu , D. Rex Hamilton. Corneal deformation signal waveform analysis in keratoconic versus post-femtosecond laser in situ keratomileusis eyes after statistical correction for potentially confounding factors. Journal of Cataract and Refractive Surgery (J Cataract Refract Surg.) 2012Apr;38(4):607-614. PMID: 22440435. [ISI]
4. **Zarei-Ghanavati S**, Malaekheh-Nikouei B, Pourmazar R, Seyedi S.Preparation, characterization, and in vivo evaluation of triamcinolone acetonide microspheres after intravitreal administration. Journal of Ocular Pharmacology and Therapeutics (J Ocul Pharmacol Ther.) 2012 Oct;28(5):502-6. Epub 2012 Apr 26. PMID: 22537291. [ISI]
5. **Siamak Zarei-Ghanavati**. Refractive Surgical Problem, January consultation #7. Journal of Cataract and Refractive Surgery (J Cataract Refract Surg.) 2012 Jan;38(1):182. PMID: 22153103. (Corresponding author).[ISI]
6. Arturo J Ramirez-Miranda, **Siamak Zarei-Ghanavati**, Martin N Nakatsu, Christine V Nguyen, Sophie X Deng Cytokeratin 13 is a Marker for Human Conjunctival Epithelium. Investigative Ophthalmology and Visual Science (IOVS) 2011;52(6):1928. [ISI]
7. **Siamak Zarei-Ghanavati**, Arturo Ramirez-Miranda A, Sophie X. Deng. Limbal Lacuna: A Novel Limbal Structure Detected by In Vivo Laser Scanning Confocal Microscopy. Ophthalmic Surgery, Lasers and Imaging (Ophthalmic Surg Lasers Imaging.) 2011 Dec 8;42:e129-e131. doi: 10.3928/15428877-20111201-07. PMID: 22150603.[ISI]
8. Karimian F, Baradaran-Rafie AR, **Zarei-Ghanavati S**, Jadidi K, Doozande A. Lotfi-Kian AR, Effect of Mustard Gas Exposure on Lid Margin Flora in Chronic Blepharitis: A Case Control Study. Bina Journal of Ophthalmology (Bina J Ophthalmol.) 2011; 16 (3): 196-201. (Farsi). [www.iranmedex.com].

9. **Siamak Zarei-Ghanavati**, Farzadnia M, Eslampoor AR, Doorandish M. Isolated corneal intra-epithelial neoplasia (CIN) in a patient with the diagnosis of dry eye. *Bina Journal of Ophthalmology (Bina J Ophthalmol.)* 2011;17(1):78-82. (Farsi). (Corresponding author) [[www.iranmedex.com](http://www.iranmedex.com)].
10. **Siamak Zarei-Ghanavati**, Bizhan Malaekheh-Nikouei Reza Pourmazarb, Sajad Seyedi. Intraocular pressure increasing effect and bioavailability of microspherical triamcinolone acetate after intravitreal administration in animal model. *Clinical Biochemistry Volume 44, Issue 13, Supplement, September 2011, Pages S121.* [ISI]
11. **Zarei-Ghanavati S**, Siamak Zarei-Ghanavati M, Ramirez-Miranda A. Air-assisted donor preparation for DMEK. *Journal of Cataract and Refractive Surgery (J Cataract Refract Surg.)* 2011 Jul; 37(7):1372. (Corresponding author). [ISI]
12. Ramirez-Miranda A, Nakatsu MN, **Zarei-Ghanavati S**, Nguyen CV, Deng SX. Keratin 13 is a more specific marker of conjunctival epithelium than keratin 19. *Molecular Vision (Mol Vis.)* 2011 Jun; 17:1652-1661. PMID: 21738394. [ISI]
13. **Zarei-Ghanavati S**, Baghdasaryan E, Ramirez-Miranda A, Nguyen M, Yu F, Lee JG, And Deng SX elevated Intraocular Pressure is a Common Complication during Active Microbial Keratitis. *American Journal of Ophthalmology (Am J Ophthalmol.)* 2011 Oct;152(4):575-581. PMID: 21683333. [ISI]
14. Karimian FY, **Zarei-Ghanavati S**, Rafie AB, Jadidi K, Lotfi-Kian A Microbiological Evaluation of Chronic Blepharitis Among Iranian Veterans Exposed to Mustard Gas: A Case-Controlled Study. *Cornea* 2011 Jun; 30(6):620-623. PMID: 21282998 [ISI]
15. **Zarei-Ghanavati S**, Zarei-Ghanavati M, Arturo Ramirez-Miranda. Letter: Authors' response. *British Journal of Ophthalmology (Br J Ophthalmol.)* 2011;-:1.doi:10.1136/bjo.2011.203943. (Corresponding author) [ISI]
16. **Siamak Zarei-Ghanavati**, Mohammad-Reza Sedaghat, Ali Ghavami-Shahri. Acute Klebsiella pneumoniae Interface Keratitis After Deep Anterior Lamellar Keratoplasty. *Japanese Journal of Ophthalmology (Jpn J Ophthalmol.)* 2011 Jan;55(1):74-6. PMID:21331700. (Corresponding author) [ISI]
17. **Zarei-Ghanavati S**, Banaee T, Abrishami M, Dehghani A. Macular Disease Affects the Outcome of ZyWave™ Aberrometry. *Ophthalmic Surgery, Lasers and Imaging (Ophthalmic Surg Lasers Imaging.)* 2011 Jan;42(1):26-30. PMID:21117577. (Corresponding author) [ISI]
18. **Zarei-Ghanavati S**, Zarei-Ghanavati M. A Technique to Salvage Big-Bubble Deep Anterior Lamellar Keratoplasty after Inadvertent Full-Thickness Trephination. *Journal of Ophthalmic & Vision Research (J Ophthalmic Vis Res.)* 2011; 6 (1): 66-68. (Corresponding author) [[Scopus](http://Scopus) and [www.jovr.ir](http://www.jovr.ir)]
19. Zare M, **Zarei-Ghanavati S**, Ansari-Astaneh M, Baradaran-Rafiee A, and Einolahi B. Effects of Pterygium on Ocular Aberrations. *Cornea* 2010 Nov;29(11):1232-1235. PMID:20966677. (Corresponding author) [ISI]

20. **Zarei-Ghanavati S**, Khakshoor H, Zarei-Ghanavati M. Reverse big bubble: a new technique for preparing donor tissue of Descemet membrane endothelial keratoplasty. *British Journal of Ophthalmology (Br J Ophthalmol.)* 2010;94(8):1110-1111. PMID:20530180. (Corresponding author) [ISI]
21. **Zarei-Ghanavati S**, Zarei-Ghanavati M, Sheibani S. Traumatic Wound Dehiscence After Deep Anterior Lamellar Keratoplasty: Protective Role of Intact Descemet's Membrane After Big-Bubble Technique. *Cornea* 2010;29(2): 220-221. PMID:19770727. (Corresponding author) [ISI]
22. Zare M, Javadi MA, Einollahi B, Baradaran-Rafii AR, **Zarei Ghanavati S**, et al. Indications for Corneal Transplantation at a Tertiary Referral Center in Tehran. *Journal of Ophthalmic & Vision Research (J Ophthalmic Vis Res.)* 2010;5(2):82-86. [Scopus and [www.jovr.ir](http://www.jovr.ir)]
23. Jafarinasab MR, **Zarei-Ghanavati S**, Kanavi MR, Karimian F, Soroush MR, Javadi MA. Confocal Microscopy in Chronic and Delayed Mustard Gas Keratopathy. *Cornea* 2010;29(8):889-894. PMID:20489576. (Corresponding author) [ISI]
24. Mirnaghi Moosavi1, Ahmad Sareshtedar, **Siamak Zarei-Ghanavati**, Mehran Zarei-Ghanavati1, MD; Nazanin Ramezanzar. Risk Factors for Senile Corneal Arcus in Patients with Acute Myocardial Infarction. *Journal of Ophthalmic & Vision Research (J Ophthalmic Vis Res.)* 2010; 5 (4): 229-232. [Scopus and [www.jovr.ir](http://www.jovr.ir)]
25. Abrishami M, **Zarei-Ghanavati S**, Soroush D, Rouhbakhsh M, Jaafari MR, Malaekhe-Nikouei B. Preparation, characterization and in vivo evaluation of nanoliposomes encapsulated bevacizumab (Avastin) for intravitreal administration. *Retina* 2009; 29(5):699-703. PMID:19430280. [ISI]
26. **Siamak Zarei-Ghanavati**. Refractive Consult. *Bina Journal of Ophthalmology (Bina J Ophthalmol)* 2009; 14 (2): 209-210. (Farsi) [[www.iranmedex.com](http://www.iranmedex.com)]
27. **Zarei-Ghanavati S**, Gharaii H, Zarei-Ghanavati M. Simple method to evaluate adequacy of capsule for foldable intraocular lens implantation in the sulcus. *Journal of Cataract and Refractive Surgery (J Cataract Refract Surg.)* 2009; 35(2):222-225. PMID:19185233. (Corresponding author) [ISI]
28. Javadi MA, Rezaei Kanavi M, **Zarei-Ghanavati S**, Mirbabaei F, Jamali H, Shoja MR, Mahdavi M, Naghshgar N, Yazdani S, Faramarzi A. Outbreak of Nocardia keratitis after photorefractive keratectomy: Clinical, microbiological, histopathological, and confocal scan study. *Journal of Cataract and Refractive Surgery (J Cataract Refract Surg.)* 2009;35(2):393-398. PMID: 19185261 [ISI]
29. Javadi MA, Rezaei Kanavi M, **Zarei-Ghanavati S**, Mirbabaei F, Jamali H, Shoja MR, Mahdavi M, Naghshgar N, Yazdani S, Faramarzi. Outbreak of Nocardia keratitis after photorefractive keratectomy: Clinical, microbiological, histopathological, and confocal scan study. *Bina Journal of Ophthalmology (Bina J Ophthalmol.)* 2009;14(2):155-160. (Farsi) [[www.iranmedex.com](http://www.iranmedex.com)]

30. Javadi MA, Jamali H, Feizi S, **Zarei-Ghanavati S**, Mirbabaei F, Mirzadeh M. Outcomes of Deep Anterior Lamellar Keratoplasty in Patients with Keratoconus Using the Big-bubble Technique. *Bina Journal of Ophthalmology (Bina J Ophthalmol)* 2009; 15 (1): 31-40. (Farsi) [[www.iranmedex.com](http://www.iranmedex.com)]
31. Etezad M, Abotrabi RB, Daneshvar R, **Ghanavati SZ**, Layegh P, Taghavi M. Clinical evaluation of Graves' ophthalmopathy in north-east of IRAN. *Eastern Mediterranean Health Journal (East Mediterr Health J.)* 2008;14(4):841-849 PMID:19166167.[[ISI](http://www.isinet.org)].
32. Katibeh Marzieh, **Siamak Zarei-Ghanavati**. Consultation Section. *Bina Journal of Ophthalmology (Bina J Ophthalmol)* 2008; 14 (1): 66-82. (Farsi) [[www.iranmedex.com](http://www.iranmedex.com)]
33. **Zarei-Ghanavati S**, Javadi MA, Yazdani S Bilateral Terrien's Marginal Degeneration, Total Peripheral Corneal Ectasia and Posterior Polymorphous Dystrophy. *Bina Journal of Ophthalmology (Bina J Ophthalmol.)* 2008; 13(3 (52):352-356. (Farsi) (Corresponding author) [[www.iranmedex.com](http://www.iranmedex.com)]
34. Javadi MA, **Zarei-Ghanavati S**. Cataract and Diabetes Mellitus. *Journal of Ophthalmic & Vision Research (J Ophthalmic Vis Res)* 2008;3(1): 52-65 [[Scopus](http://www.scopus.com) and [www.jovr.ir](http://www.jovr.ir)]
35. Jafarinasab MR, **Zarei-Ghanavati S** Scleral fixation of an aniridic IOL and penetrating keratoplasty: clinical outcomes in three cases. *Bina Journal of Ophthalmology (Bina J Ophthalmol.)* 2008;14(1):50-65. (Farsi) [[www.iranmedex.com](http://www.iranmedex.com)]
36. Bijan Malaekheh-Nikouei, Majid Abrishami, **Siamak Zarei Ghanavati**. Liposomal formulation of bevasizuamb for intravitreal administration: increased half-life, decreased side effects. *Iranian journal of Medical Hypotheses and Ideas (Irn J Med Hypotheses Ideas.)* 2008;(2): 82-86. (Farsi) [[www.iranmedex.com](http://www.iranmedex.com)]
37. Sedaghat MR, **Zarei S**. Results, predictability and stability of clear lens phacoemulsification for correction of high myopia, *Asrar J* (In press).
38. Sedaghat MR, **Zarei-Ghanavati S**, Shokoohi S, Ghasemi A. Panuveitis and dermal vasculitis following MMR vaccination. *Eastern Mediterranean Health Journal (East Mediterr Health J.)* 2007;13(2):470-474. PMID:17684869. (Corresponding author) [[ISI](http://www.isinet.org)].
39. Moosavi M, Abrishami M, **Zarei Ghanavati S**, Eslampoor A. Medical Treatment in Prevention of Rebleeding in Traumatic Hyphema. *Medical Journal of Mashad University of Medical Sciences* 2007;50 (96): 193-200 (Farsi). [[www.iranmedex.com](http://www.iranmedex.com)].
40. Etezad-Razavi M, Daneshvar-Kakhki R, **Zarei-Ghanavati S**, Nobakht-Rad M. Long-term complications of enucleated or severely traumatized eyes in war veterans. *Bina Journal of Ophthalmology (Bina J Ophthalmol.)* 2007;12(3):373-379.(Farsi) [[www.iranmedex.com](http://www.iranmedex.com)].
41. Javadi MA, **Zarei-Ghanavati S**. Cataract and Diabetes Mellitus. *Bina Journal of Ophthalmology (Bina J Ophthalmol.)* 2007; 13(1):89-103.(Farsi) [[www.iranmedex.com](http://www.iranmedex.com)].



42. Yazdani A, **Zarei Ghanavati S**. Clinical outcomes of surgery of Double Elevator Palsy. Bina Journal of Ophthalmology (Bina J Ophthalmol.) 2006;11(3):326-334.(Farsi). (Corresponding author) [[www.iranmedex.com](http://www.iranmedex.com)].
43. Abrishami M, **Zarei Ghanavati S**, Banaee T, Moosavi M, Ahmadian MH. Nicotinic acid in Retinal Vein Occlusion. . Iranian Journal of Ophthalmology (Iran J Ophthalmol.) 2006;18(3):64-67.[[www.iranmedex.com](http://www.iranmedex.com)].
44. Etezad M, **Zarei Ghanavati S**, Daneshvar R. Subconjunctival botulinum toxin injection in treatment of thyroid associated upper and lower lid retraction. . Iranian Journal Ophthalmology (Iran J Ophthalmol.) 2006;19(1):88-97. [[www.iranmedex.com](http://www.iranmedex.com)].
45. Etezad M, Abotrabi RB, **Zarei Ghanavati S**, Daneshvar R, Layegh P, Taghavi M. Prevalence and severity of ophthalmic manifestations of graves' disease in Mashhad university endocrine clinics. Iranian Journal of Ophthalmology (Iran J Ophthalmol.) 2006;19(3):14-21.[[www.iranmedex.com](http://www.iranmedex.com)].
46. Banaee T, M, Abrishami M, Daneshvar R, **Zarei Ghanavati S**, Mahmoodi. Chlamydia pneumoniae and diabetic retinopathy: serologic evidences in a pilot study. Iranian Journal of Ophthalmology (Iran J Ophthalmol.) 2006;19(2):19-26.[[www.iranmedex.com](http://www.iranmedex.com)].
47. Banaie T, **Zarei Ghanavati S**, Hiradfar M, Vakili R. Wolfram syndrome: report of five cases and review of literatures. Bina Journal of Ophthalmology (Bina J Ophthalmol.) 2005;10(4):481-488. (Farsi) [[www.iranmedex.com](http://www.iranmedex.com)].
48. Sedaghat MR, **Zarei S**, Shokoohi S, Ghasemi A. Panuveitis and dermal vasculitis following MMR vaccination. . Iranian Journal of Ophthalmology (Iran J Ophthalmol.) 2005;18(2):95-99. (Corresponding author) [[www.iranmedex.com](http://www.iranmedex.com)].
49. Khakshoor H, **Zarei S**, Farrokh D, Etezad M, Sharifi M. Clinical results and complications of adjunctive subconjunctival mitomycin C injection before pterygium excision. . Iranian Journal of Ophthalmology (Iran J Ophthalmol.) 2005;18(2):70-76.[[www.iranmedex.com](http://www.iranmedex.com)].
50. Moosavi M, Abrishami M, Banaee T, **Zarei S**. Ocular manifestations in adult leukemia. . Iranian Journal of Ophthalmology (Iran J Ophthalmol.) 2004;17(3):92-96.[[www.iranmedex.com](http://www.iranmedex.com)].
51. Sedaghat MR, Khakshoor H, **Zarei Ghanavati S**. Laser in situ keratomileusis for correction of myopia and astigmatism after penetrating keratoplasty. Iranian Journal of Ophthalmology (Iran J Ophthalmol.) 2004;17(1):68-77. [[www.iranmedex.com](http://www.iranmedex.com)].

## VII. THESES SUPERVISED

1. Clinical results and complications of adjunctive subconjunctival mitomycin C injection before pterygium excision. Resident's thesis. Mashhad, Iran, 2007.
2. Evaluation of anatomic results and visual performance of personalized and Aspherical PRK in Contralateral Eye Study. Resident's thesis. Mashhad, Iran, 2009.

## VIII. PRESENTATIONS AT SCIENTIFIC MEETINGS

1. **Zarei-Ghanavati S.** “**Panel Discussion**” One-day “**Femtosecond Laser Symposium**” (CME Code:). Mashhad, Iran, February, 2012.
2. **Siamak Zarei-Ghanavati**, Arturo J Ramirez-Miranda, D. Rex Hamilton. Ocular Response Analyzer Waveform Analysis in Keratoconic versus Post Femtosecond Laser In Situ Keratomileusis Eyes. **Paper Presentation** at **2011 Refractive Surgery Subspecialty Day Meeting of the International Society of Refractive Surgery (ISRS)**, Orlando, USA, October 21-22, 2011, Abstract #: 101255.
3. Arturo J Ramirez-Miranda **Siamak Zarei-Ghanavati**, Anthony J Aldave. Past Meets Future: Femtosecond Laser-Assisted Deep Anterior Lamellar Keratoplasty for Advanced Ectasia Secondary to Hexagonal Keratotomy. **Video Presentation** at **American Academy of Ophthalmology (AAO) Annual meeting**, Orlando, USA, October 22-25,2011, V26.
4. **Siamak Zarei-Ghanavati**, Arturo Ramirez-Miranda, D. Rex Hamilton. Corneal Biomechanical Properties in Keratoconic versus Post Femtosecond-Assisted LASIK Eyes after Statistical Correction for Potentially Confounding Factors. **Poster Presentation** at **Association for Vision and Eye Research (ARVO) 2011 Annual Meeting**, Fort Lauderdale, USA, May 1-5, 2011, Section number: 482, Program/Poster Number: 5177/D876.
5. Arturo Ramirez-Miranda, **Siamak Zarei-Ghanavati**, Martin N. Nakatsu, Christine V. Nguyen, Sophie X. Deng Cytokeratin 13 is a Marker for Human Conjunctival Epithelium. **Poster Presentation** at **Association for Vision and Eye Research (ARVO) 2011 Annual Meeting**, Fort Lauderdale, USA, May 1-5, 2011, Section number: 267, Program/Poster Number: 1928/D909.
6. **Zarei-Ghanavati S.** Effect of Macular Disease on Outcome of Hartmann-Shack Aberrometry. **Oral presentation** at **American Society of Cataract and Refractive Surgery (ASCRS) Symposium on Cataract, IOL and Refractive Surgery**, San Diego, USA, March 25-29, 2011. ASCRS Paper ID: 937779.
7. **Zarei-Ghanavati S.** A Technique to Salvage Big-Bubble Deep Lamellar Keratoplasty after Inadvertent Full-Thickness Trephination. **Poster Presentation** at **American Society of Cataract and Refractive Surgery (ASCRS) Symposium on Cataract, IOL and Refractive Surgery**, San Diego, USA, March 25-29, 2011. ASCRS Poster ID: 937935. **Posters of Interest Award.**
8. **Zarei-Ghanavati S.** Challenging cases of cornea. (**Panel Discussion, Anterior Segment Subspecialty Day** at **22nd Iranian congress of ophthalmology**) Tehran, Iran. October 29-November 1, 2012, Abstract Book, p197.

9. **Zarei-Ghanavati S.** Surgical Management of Acuter and Chronic Chemical Burn. (**Lecture, Anterior Segment Subspecialty Day at 22nd Iranian congress of ophthalmology**) Tehran, Iran. October 29-November 1, 2012, Abstract Book, p197.
10. **Zarei-Ghanavati S.** OCT in Boston Type I Kpro. (**Oral presentation at 22nd Iranian congress of ophthalmology**) Tehran, Iran. October 29-November 1, 2012, Abstract Book, p197.
11. **Zarei-Ghanavati S.** Keratin 13 and Keratin 19 in Conjunctival Epithelium. (**Oral presentation at 22nd Iranian congress of ophthalmology**) Tehran, Iran. October 29-November 1, 2012, Abstract Book, p197.
12. **Zarei-Ghanavati S.** Prospective Randomized Comparison of Aspheric Versus Wavefront-Guided PRK; a Contralateral Eye Study. (**Oral presentation at 22nd Iranian congress of ophthalmology**) Tehran, Iran. October 29-November 1, 2012, Abstract Book, p197.
13. **Zarei-Ghanavati S.** Triple DMEK Procedure; Simultaneous Cataract Surgery AND Descmet Membrane Endothelial Keratoplasty (**Video Journal at 22nd Iranian congress of ophthalmology**) Tehran, Iran. October 29-November 1, 2012, Abstract Book, p197.
14. **Zarei-Ghanavati S.** Confocal Microscopy in Chronic and Delayed Mustard Gas Keratopathy (**Oral presentation at 19th Iranian congress of ophthalmology**) Tehran, Iran. 2009, Abstract Book, p 126.
15. **Zarei-Ghanavati S.** Traumatic Wound Dehiscence after Deep Anterior Lamellar Keratoplasty: Protective Role of Intact Descemet's Membrane after Big-Bubble Technique (**Poster presentation at 19th Iranian congress of ophthalmology**) Tehran, Iran. 2009, Abstract Book, p197.
16. **Zarei-Ghanavati S.** Zywave Aberrometry in Macular Disease (**Oral presentation at 19th Iranian congress of ophthalmology**) Tehran, Iran. 2009, Abstract Book, p125.
17. **Zarei-Ghanavati S.** Effects of Pterygium on Ocular Aberrations (**Oral presentation at 19th Iranian congress of ophthalmology**) Tehran, Iran. 2009, Abstract Book, p198.
18. **Zarei-Ghanavati S.** A new technique to salvage big-bubble deep lamellar keratoplasty after inadvertent full-thickness trephination. (**Poster presentation at 19th Iranian congress of ophthalmology**) Tehran, Iran. 2009, Abstract Book, p198.
19. **Zarei-Ghanavati S.** Reverse big-bubble; A new technique for preparing donor tissue of Descemet Membrane Endothelial Keratoplasty (DMEK). (**Oral presentation at 19th Iranian congress of ophthalmology**), Tehran, Iran. Video-Journal, 2009.

20. **Zarei-Ghanavati S. “Blepharitis” One-day “Conjunctivae and Lid Disease Symposium”** (CME Code: 3311027). Mashhad, Iran, February 2009. **(Lecture)**
21. **Zarei-Ghanavati S. “Panel Discussion” One-day “Primary Eye Care Symposium”** (CME Code: 39301027). Mashhad, Iran, March, 2009.
22. **Zarei-Ghanavati S. “Panel Discussion” Two-day “Refractive Surgery Symposium”** (CME Code: 39315028 ). Mashhad, Iran, March, 2009.
23. **Zarei-Ghanavati S. “Complications of Refractive Surgery” Two-day “Refractive Surgery Symposium”** (CME Code: 39315028). Mashhad, Iran, March, 2009.
24. **Zarei-Ghanavati S. “Ocular Trauma” One-day “Ocular Pathology Symposium for Optometrist”** (CME Code: 182118788). Mashhad, Iran, May, 2009.
25. **Zarei Ghanavati S.** Compare Clinical outcome of LASIK and LASEK with mitomycin-C for correction of myopia more than 6 diopters in patients who came to Toos Clinic since 20 March 2002 until 21 March 2005. **(Oral presentation at 16th Iranian congress of ophthalmology)** Tehran, Iran. 2006, Abstract Book, p132-133.
26. **Zarei-Ghanavati S. “Papilledema” One-day Neuro-ophthalmology Symposium** (CME Code: 3315026). Mashhad, Iran, January 2006. **(Lecture)**
27. **Zarei-Ghanavati S. “Ophthalmic Drugs Side Effects” One-day “Ophthalmology Symposium for general physicians”** (CME Code: 3301027). Mashhad, Iran, February 2006. **(Lecture)**
28. Moosavi MN, Abrishami M, **Zarei S**, A Eslampoor. Epidemiology, Medical treatment and short term complication of traumatic hyphema in 100 patients. **(Poster presentation at 15th Iranian Congress of Ophthalmology)** Tehran, Iran. 2005, Abstract Book, p73.
29. Yazdani A, **Zarei S**. Clinical management of patients with double elevator palsy. **(Poster presentation at the 21st Congress of the ASIA-PACIFIC Academy of Ophthalmology)**. Tehran, Iran. 2006, Abstract Book, poster 2432, pp 384-5.
30. Abrishami M, **Zarei S**, Banaee T, Moosavi M, Ahmadian MH. Nicotinic acid in Retinal Vein Occlusion. **(Oral presentation at 15th Iranian congress of ophthalmology)** Tehran, Iran. 2005, Abstract Book, p 5.
31. M Etezaad, **Zarei S**, Daneshvar R. Subconjunctival botulinum toxin injection in treatment of thyroid associated upper and lower lid retraction. **(Oral presentation at 15th Iranian congress of ophthalmology)** Tehran, Iran. 2005, Abstract Book, p15.
32. Khakshoor H, **Zarei S**, Eslampoor A. Clinical results and complications of adjunctive subconjunctival mitomycin C injection before pterygium excision. **(Oral presentation at 15th Iranian congress of ophthalmology)** Tehran, Iran. 2005, Abstract Book, p 26.

33. Banaee T, Abrishami M, Moosavi MN, Abrishami M, **Zarei S**. Silicon oil removal through posterior capsulotomy by needle puncture during phacoemulsification. (**Poster presentation at 14th Iranian Congress of Ophthalmology**) Tehran, Iran. 2004, Abstract Book, p 73.

## **IX. CONGRESSES AND SYMPOSIUMS**

1. **American Academy of Ophthalmology (AAO) Annual Meeting**, Orlando, USA, October 23-25, 2011.
2. **Refractive Surgery Subspecialty Day Meeting of the International Society of Refractive Surgery (ISRS)**, Orlando, USA, October 21-22, 2011.
3. **ICFLO 2011, 4th International Conference on Femtosecond Lasers in Ophthalmology**, Dana Point, USA, June 24-25, 2011.
4. **ARVO's 2011 Annual Meeting**, Fort Lauderdale, USA, May 1-5, 2011.
5. **ASCRS Symposium on Cataract, IOL and Refractive Surgery**, San Diego, USA, March 25-29, 2011.
6. **Refractive Surgery Subspecialty Day Meeting of the International Society of Refractive Surgery (ISRS)**, Orlando, USA, October 15-16, 2010.
7. **American Academy of Ophthalmology (AAO) Annual Meeting**, Chicago, USA, October 17-19, 2010.
8. **CPE Cornea Fellows Program by Alcon**, Forth Worth, USA, November 5-6, 2010.
9. **"Primary Eye Care" Symposium**, Mashhad University of Medical Sciences, Mashhad, Iran, November, 2009
10. **"Refractive Surgery" Symposium**, Mashhad University of Medical Sciences, Mashhad, Iran, March, 2009.
11. **"Primary Eye Care" Symposium**, Mashhad University of Medical Sciences, Mashhad, Iran, March, 2009.
12. **19th Iranian Congress of Ophthalmology, Tehran, Iran**, November 2009.
13. **18th Iranian Congress of Ophthalmology, Tehran, Iran**, November 2008.
14. **17th Iranian Congress of Ophthalmology, Tehran, Iran**, November 2007.
15. **"Lid" Symposium**, Mashhad University of Medical Sciences, Mashhad, Iran, March, 2006
16. **16th Iranian Congress of Ophthalmology, Tehran, Iran**, November 2006.

17. **15th Iranian Congress of Ophthalmology, Tehran, Iran**, December 2005.
18. **14th Iranian Congress of Ophthalmology, Tehran, Iran**, December 2004.

## **X. Books**

1. **Siamak Zarei-Ghanavati**, Sophie X Deng. Limbal Stem Cells, Chapter 34: Biology and Pathogenesis in Ocular Surface Disease. Robert A Copeland and Natalie A Afshari. Copeland and Afshari's Principles and Practice of Cornea. Jaypee Brothers Medical Publisher, New Delhi, India 2012; 433-440. (ISBN: 978-93-5090-172-4) (English).
2. Khakshoor H, Daneshvar R, **Zarei-Ghanavati S**, Eslampoor A. Ghooshkhanei H. Principles and Techniques in Phacoemulsification. Volume 1. Mashhad University of Medical Sciences (MUMS), Mashhad, Iran, 2011. (ISBN: 978-964-5944-72-6) (Farsi).

## **XI. ONGOING RESEARCH PROJECTS**

1. Corneal-Conjunctival epithelial stem cell location (UCLA,USA)
2. Corneal-Conjunctival specific cell markers (K12, K13,K19) (UCLA,USA)
3. Confocal microscopy of the limbus (UCLA,USA)
4. Ocular Response Analyzer (ORA) in post-LASIK patients (UCLA, USA)
5. New technique for preparing donor tissue for Descemet Membrane Endothelial Keratoplasty (DMEK) (Mashhad, Iran)
6. Preparation, characterization and in vivo evaluation of microspheres encapsulated with triamcinolone for Intravitreal administration: comparison with suspension form. (Mashhad, Iran)
7. Evaluation of prevalence of visual impairment and its common causes in Mashhad city (Mashhad, Iran)

## **XII. TEACHING EXPERIENCES**

1. **Every day teaching to Medical Student, Optometrists, Interns and Externs (undergraduate)** in Khatam-al-Anbia Eye hospital, Mashhad University of Medical Sciences, Mashhad, Iran October 2006- October 2007 and January 2009-July 2010.
2. **Every other day Basic and Clinical teaching to Ophthalmology Residents** in Khatam-al-Anbia Eye hospital, Mashhad University of Medical Sciences, Mashhad, Iran October 2006- October 2007 and January 2009- July 2010.

3. **Every other day surgical teaching to Ophthalmology Residents** in Khatam-al-Anbia Eye hospital, Mashhad University of Medical Sciences, Mashhad, Iran October 2006-October 2007 and January 2009- July 2010.

### **XIII. INTERESTS**

Travel, exercise.

### **XIV. REFEREES**

1. **Bradley R. Straatsma, M.D., J.D.**  
**President of International Council of Ophthalmology Foundation**  
**Professor and Chairman Emeritus of Ophthalmology**  
Jules Stein Eye Institute  
David Geffen School of Medicine at UCLA  
100 Stein Plaza  
Los Angeles, CA 90095  
Tel: 310 825 5051  
Fax: 310 206 4293  
E-mail: [straatsma@jsei.ucla.edu](mailto:straatsma@jsei.ucla.edu)
2. **Hormoz Chams, M.D.**  
**Professor of Clinical Ophthalmology**  
**President of Iranian Society of Ophthalmology**  
**Editor-in-Chief of Iranian Journal of Ophthalmology**  
Iranian Society of Ophthalmology,  
Tehran, Iran.  
Tel: +98 21 66919061  
Fax: +98 21 66942404  
E-mail: [info@irso.com](mailto:info@irso.com)
3. **Anthony J. Aldave, M.D.**  
**Associate Professor of Ophthalmology**  
**Director, Cornea Service**  
**Director, Cornea and Refractive Surgery Fellowship**  
Jules Stein Eye Institute  
100 Stein Plaza, UCLA  
Los Angeles, CA 90095  
Tel: 310 206 7202  
Fax: 310 794 7906  
Email: [aldave@jsei.ucla.edu](mailto:aldave@jsei.ucla.edu)
4. **Victor L. Perez, M.D. , M.S**  
**Associate Professor Ophthalmology**  
**Ocular Surface Disease, Microbiology and Immunology**  
University of Miami Miller School of Medicine  
Bascom Palmer Eye Institute  
900 Northwest 17th Street

Miami, FL 33136  
Tel: 305 326 6000  
Email: [VPerez4@med.miami.edu](mailto:VPerez4@med.miami.edu)

- 5. Mohammad-Ali Javadi, M.D.**  
**Professor of clinical ophthalmology**  
**Head of Iran Eye Bank**  
**Head of Ophthalmology,**  
Shahid Beheshti Medical University,  
Tehran, Iran.  
Phone: +98 21 88782326  
Fax: +98 21 88787609  
E-mail: [ma\\_javadi@yahoo.com](mailto:ma_javadi@yahoo.com)