

# Ramin Daneshvar, MD, MSc

## Curriculum Vitae

Last update: June 2016

### Personal History

Business address: Glaucoma Department, Khatam Eye Hospital,  
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Private Practice 4<sup>th</sup> Floor, Sadra Buliding, Corner of Kafaeei 1<sup>st</sup> Alley,  
Daneshgah St., Mashhad, Iran;  
Tel: +98-51- 38479892 - 93

Date and place of birth: September 16, 1977; Mashhad, Iran

Citizenship: Iranian

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### Educations and Certifications

High School Diploma Hashemi Nejad High School (affiliated to the National Organization for Development of Exceptional Talents (NODET)), Mashhad, Iran

MD 1995 - 2002, School of Medicine & affiliated hospitals; Mashhad University of Medical Sciences, Mashhad, Iran (including 18 months of internship)

Ophthalmology Residency 2002 – 2006, Khatam Eye Hospital, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran

Fellowship 2010 – 2012 (Glaucoma), Farabi Eye Hospital, Tehran University of Medical Sciences, Tehran, Iran (Head: Prof. Heidar Amini)

Master of Sciences 2009 – 2013, (Medical Education), Medical Education School, Shahid Beheshti Medical University, Tehran, Iran

Licensure Medical Council, IR Iran, 91844

Board Certification Iranian National Board, September 2006

Miscellaneous Certifications 2010, International College of Ophthalmology (ICO)- Basic and Clinical Ophthalmology

2011, International Computer Driver's License (ICDL)

2012, Certified Trabectome Trainer (By NeoMedix)

2012, Research and Treatment in Ophthalmology: Exchange Program (USA)

## Professional Experience

2000 – 2005	Student Research Assembly, Mashhad University of Medical Sciences, Mashhad, Iran
2006 – 2008	Head of Exceptional Talents Office, Mashhad University of Medical Sciences, Mashhad, Iran
2008 – 2009	Medical Director and Head of Vision Electrophysiology Unit, Khatam Anbia Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2006 – 2010	Assistant Professor of Ophthalmology, Head of Glaucoma Division, Khatam Anbia Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2007 – 2010	Eye Research Center, Mashhad University of Medical Sciences, Mashhad, Iran
2009 – 2010	Head of Student Research Assembly of Eye Research Center, Mashhad University of Medical Sciences, Mashhad, Iran
2010 – 2011	Glaucoma Fellowship, Farabi Eye Hospital, Tehran University of Medical Sciences, Tehran, Iran
2011 – 2014	Assistant Professor of Ophthalmology, Head of Glaucoma Division, Khatam Anbia Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2012 – 2016	Board of Directors, Iranian Glaucoma Society
2015 – 2016	Director, Eye Research Center, Mashhad University of Medical Sciences, Mashhad, Iran
2015 – 2016	Member, Board of Directors, Iranian Eye Research Centers Network
2011+	Head of Student Research Assembly, Eye Research Center, Mashhad University of Medical Sciences, Mashhad, Iran
2012+	Eye Research Center, Mashhad University of Medical Sciences, Mashhad, Iran
2012+	Vice Chancellor of Cornea Research Center, Mashhad University of Medical Sciences, Mashhad, Iran
2013+	Stem Cell Research Center, Mashhad University of Medical Sciences, Mashhad, Iran
2014+	Associate Professor of Ophthalmology, Head of Glaucoma Division, Khatam Anbia Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2015+	Member, Genetic Research Center, Mashhad University of Medical Sciences, Mashhad, Iran
2016+	Member of Iranian Pre-National Ophthalmology Board Committee

## Professional Activities

2009 & 2011	Internal Evaluation and Accreditation Committee, Khatam Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2011 – 2015	Member, Scientific Committee, Farabi Eye Hospital Annual Meeting, Tehran, Iran
2010 – 2015	Member, Scientific Committee, Annual Congress of the Iranian Society of Ophthalmology
2014+	Ethical Committee, Iranian Society of Ophthalmology
2014+	Member, Drugs and Instruments Committee, Khatam Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2014+	Member, Infection Prevention Committee, Khatam Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2014+	Director, Emergency Committee, Khatam Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2014+	Director, Ophthalmology Clinics and Paraclinics, Khatam Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2014+	Director, Emergency Department, Khatam Eye Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
2015	Scientific Director, International Congress on Recent Concepts in Glaucoma, Mashhad, Iran
2015	Member, Scientific Committee, World Glaucoma Congress, Hong Kong
2015+	Director, Ophthalmology Residency Exam Committee
2015+	Member, Specialty Committee, University Audit Board, Mashhad University of Medical Sciences, Mashhad, Iran

## Community Service

2006 - 2010	Social Service (Instead of Military Service): Assistant Professor of Ophthalmology, Mashhad University of Medical Sciences, Mashhad, Iran
2014 +	Member, Mahak Charity Organization (Society to support children suffering from cancer)
February 2014	Volunteer Ophthalmologist, Bimorgh, Nooravaran Salamat Charity Eye Campus (Visiting ~500 patients in 3 days)
April 2015	Volunteer Ophthalmologist, Maraveh Tapeh, Nooravaran Salamat Charity Eye Campus (Examining ~400 patients in 3 days)
October 2015	Volunteer Ophthalmologist, Kiasar, Nooravaran Salamat Charity Eye Campus (Operating ~ 60 patients in 2 days)
February 2016	Volunteer Ophthalmologist, Sabzevar, Nooravaran Salamat Charity Eye Campus

## Professional Association and Scholarly Societies

2002+	Member, Medical Council, Iran
2006+	Member, Iranian Society of Ophthalmology
2006+	Member, Iranian Society of Surgeons
2007+	Member, European Society of Cataract and refractive Surgery (ESCRS)
2010+	Member, Iranian Glaucoma Society
2011+	Member, International Glaucoma Society
2012+	Advisory Board, Iranian Glaucoma Society
2016+	Associate Member, European Glaucoma Society

## Editorial Services

<i>Scientific Editorial Board</i>	Navid Nov Journal Journal of Ophthalmic and Vision Research
<i>Peer Reviewer</i>	American Journal of Ophthalmology Ophthalmology Seminars in Ophthalmology Ocular Immunology and Inflammation Indian Journal of Ophthalmology Journal of Current Ophthalmology Iranian Journal of Ophthalmology Journal of Ophthalmic and Vision Research Journal of Clinical and Experimental Ophthalmology Current Eye Research Journal of Mashhad Medical College Journal of Isfahan Medical University Bina Journal of Ophthalmology Ofogh Danesh Journal

## Honors and Special Awards

1995	Iranian National Diploma, Grade 95.5% <i>Top rated student in the region</i>
1995	National University Entrance Exam, <i>Honors valedictorian status</i>
1995 – 2002	Mashhad University of Medical Sciences, Mashhad, Iran <i>Honors 2 Top Rated Awards in National Exams (1998, 2000)</i>
2002	Degree: M.D., Grade: 93.2% <i>Honors valedictorian status</i>
2002	Top Young of the Year in the province
2006	Best Author, Mashhad University of Medical Sciences, Mashhad, Iran
2008	Top Innovation, Khorasan Province, Iran
2009	Best Article, Annual Congress of Iranian Society of Ophthalmology, Tehran, Iran
2012	Best Research Project, 4 <sup>th</sup> Shams Ophthalmology and Vision Science Festival, Tehran, Iran
2014	Best Article, 6 <sup>th</sup> Shams Ophthalmology and Vision Science Festival, Tehran, Iran
2014	Top Ophthalmic Photo, Film and Photo Festival, Annual Congress of Iranian Society of Ophthalmology, Tehran, Iran
2014	Top Surgical Video, Film and Photo Festival, Annual Congress of Iranian Society of Ophthalmology, Tehran, Iran

## Research Grants

2006+	~10,000 US\$/ Year, Vice Chancellor of Research, Mashhad University of Medical Sciences, Mashhad, Iran
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## Teaching Activities

2003	Research Course, Medical Students
2003	Reference Management and PubMed Course, Medical Students
2003	Medical Genetics, BS Students (Optometry)
2003 – 2004	Ophthalmic Emergency, BS Students (Optometry)
2004 - 2010	Ophthalmic Semiology, Medical Students
2007 – 2008	Orbital Diseases, Maxillofacial Surgery and Dentistry Residents
2006 – 2009	Basic and Clinical Science Course (BCSC) Review, Ophthalmology Residents; including following topics: <ul style="list-style-type: none"><li>- Update on General Medicine</li><li>- Fundamentals and Principles of Ophthalmology</li><li>- Optics</li><li>- Neuroophthalmology</li><li>- Glaucoma</li><li>- Lens and Cataract</li></ul>
2006+	Board Review, 4 <sup>th</sup> Year Ophthalmology Residents
2006+	Ophthalmology Course, Medical Students; including following topics: <ul style="list-style-type: none"><li>- Anatomy and Physiology</li><li>- Ophthalmic Drugs</li><li>- Trauma and Emergencies</li><li>- Cataract</li><li>- Glaucoma</li></ul>
2011+	Comprehensive Glaucoma Course, Ophthalmology Residents and Anterior segment fellowships; including following topics: <ul style="list-style-type: none"><li>- Clinical examination (Gonioscopy; ONH evaluation; SLE tips)</li><li>- Structural tests (Focusing on SAP on HFA; but also discussing Octopus)</li><li>- Functional tests (GDx; Cirrus and Spectralis OCT; Casia and Visante AS-OCT)</li><li>- Medical management (Treatment target; Current hypotensive drugs; drugs on horizon (Neuroprotection; ROCK inh.; Gene-therapy)</li><li>- Surgical management (Trabeculectomy; Shunting procedures; Nonpenetrating procedures; Complication management)</li></ul> <p>* Interaction and mentorship in Glaucoma clinics and operating rooms; Average 2 residents and 1 fellow every 2 months; 3 clinics and 2 OR sessions per week</p>

## Presentations in CME Courses & Congresses

<i>No</i>	<i>Year</i>	<i>Meeting Name</i>	<i>Title</i>	<i>Type</i>
1	2003	National Research Workshop for Medical Students	Basic Research	Oral Lecture
2	2003	XIII Iranian Congress of Ophthalmology, Tehran, Iran	Posterior segment involvements in pathologic Myopia	Poster Presentation
3	2004	V Annual Research Seminar of Iranian Medical Schools, Mashhad, Iran	Giant chondroid syringoma in an Iranian adult	Poster Presentation
4	2004	XIV Iranian Congress of Ophthalmology, Tehran, Iran	Intraocular lens implantation in the absence of capsular support.	Poster Presentation
5	2004	XIV Iranian Congress of Ophthalmology, Tehran, Iran	Balloon scleral buckle : Results and challenges	Poster Presentation
6	2005	XV Iranian Congress of Ophthalmology, Tehran, Iran	Incision location and surgeon position in phacoemulsification cataract surgery	Poster Presentation
7	2005	XV Iranian Congress of Ophthalmology, Tehran, Iran	Subconjunctival botulinum toxin injection in treatment of thyroid associated upper and lower lid retraction	Oral Lecture
8	2008	XVIII Iranian Congress of Ophthalmology, Tehran, Iran	HLA-DQB1 subtypes seem to predict diabetic retinopathy in Iranian patients with type I diabetes mellitus	Oral Lecture
9	2008	XVIII Iranian Congress of Ophthalmology, Tehran, Iran	Corneal collagen cross-linking in mild to moderate keratoconus	Oral Lecture
10	2008	XVIII Iranian Congress of Ophthalmology, Tehran, Iran	The best incision site and surgeon position in phacoemulsification surgery	Poster Presentation
11	2008	XVIII Iranian Congress of Ophthalmology, Tehran, Iran	Comparison of Post- operative Theoretical and Actual Anterior Chamber Depth (ACD) in 94 Patients with Morcher IOL Implanted in Khatam-Al-Anbia Eye Hospital	Poster Presentation
12	2009	XIX Iranian Congress of Ophthalmology, Tehran, Iran	SWAP perimetry could predict retinal changes in type I diabetics	Oral Lecture
13	2009	XIX Iranian Congress of Ophthalmology, Tehran, Iran	Digitized detection of changes in retinal vessel diameter in various stages of diabetic retinopathy	Oral Lecture; <b>Best Article of the congress</b>
14	2009	XIX Iranian Congress of Ophthalmology, Tehran, Iran	“ Mashhad Retinal Vessel Analysis (MRVA)”: An algorithm for detection of vessels in digital images	Oral Lecture

15	2009	XIX Iranian Congress of Ophthalmology, Tehran, Iran	Comparison of central corneal thickness measurement by ultrasonic pachymetry, rotating Scheimflug camera and scanning slit topography	Oral Lecture
16	2009	XIX Iranian Congress of Ophthalmology, Tehran, Iran	Adjusting ablation for angle kappa improves results in myopic PRK	Oral Lecture
17	2009	XIX Iranian Congress of Ophthalmology, Tehran, Iran	Effect of clear corneal incision location on corneal astigmatism following phacoemulsification	Poster Presentation
18	2009	XIX Iranian Congress of Ophthalmology, Tehran, Iran	Occupational eye injuries: socioeconomic evaluation and health system impacts	Poster Presentation
19	2009	XIX Iranian Congress of Ophthalmology, Tehran, Iran	Occupational eye injuries: Incidence rate and socioeconomic status of patients, Mashhad, Iran	Poster Presentation
20	2009	XIX Iranian Congress of Ophthalmology, Tehran, Iran	Tonometry in challenging cases	Oral Lecture, <i>Invited lecturer</i>
21	2010	Annual Farabi Seminar, Glaucoma	Stereoscopy and Stereophotography of the Optic Disc	Oral Lecture, <i>Invited lecturer</i>
22	2010	Annual Farabi Seminar, Glaucoma	Trabectome	Oral Lecture, <i>Invited lecturer</i>
23	2010	XX Iranian Congress of Ophthalmology, Tehran, Iran	Incidence and clinical features of endophthalmitis in Iranian patients with open globe injury.	Oral Lecture
24	2010	XX Iranian Congress of Ophthalmology, Tehran, Iran	The relationship between endothelial cell loss after phacoemulsification and location of clear corneal incisions (temporal, superior, supratemporal)	Poster Presentation
25	2010	XX Iranian Congress of Ophthalmology, Tehran, Iran	New concept of genetic in glaucoma	Oral Lecture, <i>Invited lecturer</i>
26	2010	XX Iranian Congress of Ophthalmology, Tehran, Iran	Stereoscopic evaluation of optic disc in glaucoma	Oral Lecture, <i>Invited lecturer</i>
27	2010	ASCRS/ASOA Congress, USA	Comparison of recurrence and complication frequency of subpterygiumal mitomycin-c injection 1 month before surgical removal without conjunctival flap versus rotational conjunctival flap and intraoperative mitomycin-c	Oral Lecture
28	2011	World Glaucoma Congress, Paris, France	Central corneal thickness in Iranian infantile glaucoma patients	Poster Presentation
29	2011	World Glaucoma Congress, Paris, France	Early onset exfoliation following multiple intraocular surgeries	Poster Presentation



30	2011	XXI Iranian Congress of Ophthalmology, Nursing Program, Tehran, Iran	HRT, GDx	Oral Lecture, <i>Invited lecturer</i>
31	2011	XXI Iranian Congress of Ophthalmology, Tehran, Iran	"New tonometers in clinical practice" in "Glaucoma Subspeciality Program"	Oral Lecture, <i>Invited lecturer</i>
32	2011	XXI Iranian Congress of Ophthalmology, Tehran, Iran	"HRT" in "Glaucoma Imaging Pannel:	Oral Lecture, <i>Invited lecturer</i>
33	2012	Glaucoma CME, Razavi Eye Hospital, Mashhad, Iran	Laser Treatment in Primary Angle Closure Disease	Oral Lecture, <i>Invited lecturer</i>
34	2012	Progresses and Innovation in Ophthalmology	Pigment Dispersion Syndrome and Pigmentary Glaucoma; Pannel Discussion	Oral Lecture, <i>Invited lecturer</i>
35	2012	World Ophthalmology Congress, Abu Dhabi, UAE	Trabectome Surgery For Infantile Glaucoma; Instruction Course	Oral Lecture, <i>Invited lecturer</i>
36	2012	World Ophthalmology Congress, Abu Dhabi, UAE	Socioeconomic Factors And Glaucoma Severity At Disease Presentation In Iranian Patients	Oral Lecture
37	2012	World Ophthalmology Congress, Abu Dhabi, UAE	Association Between HLA-DQB1 And Diabetic Retinopathy In Iranian Pateints With Type I Diabetes Mellitus	Oral Lecture
38	2012	Research and Innovation in Ophthalmology, Tehran, Iran	Comparison of central corneal thickness measurement using ultrasonic pachymetry, rotating Scheimpflug camera and scanning slit topography.	Poster Presentation
39	2012	Research and Innovation in Ophthalmology, Tehran, Iran	Short-wavelength automated perimetry in type 1 diabetics without retinal involvement: a modification in test to decrease test duration	Poster Presentation
40	2012	Research and Innovation in Ophthalmology, Tehran, Iran	<b>Gold Medal Winner</b> for best research project in the field of ophthalmology, during the past 3 years, in Iran	
41	2012	Controversies in Ophthalmology	Diagnosis and management of normal tension glaucoma	Oral Lecture, Panelist, <i>Invited lecturer</i>
42	2012	Controversies in Ophthalmology	Phaco vs. Combined surgery in patients with glaucoma and cataract	Oral Lecture, Panelist, <i>Invited lecturer</i>
43	2012	XXII Iranian Congress of Ophthalmology, Tehran, Iran	what do we know about trabecular meshwork changes in glaucoma	Oral Lecture, Subspecialty day, <i>Invited lecturer</i>
44	2012	XXII Iranian Congress of Ophthalmology, Tehran, Iran	Visual Field	Oral Lecture, Workshop, <i>Invited lecturer</i>

45	2012	XXII Iranian Congress of Ophthalmology, Tehran, Iran	Imaging in Glaucoma: SLO (HRT)	Oral Lecture, Workshop, <i>Invited lecturer</i>
46	2012	XXII Iranian Congress of Ophthalmology, Tehran, Iran	Trabeculectomy: Pearls and Pitfalls: Late complications	Oral Lecture, Workshop, <i>Invited lecturer</i>
47	2012	XXII Iranian Congress of Ophthalmology, Tehran, Iran	A novel description of dominant eye considering contrast sensitivity	Oral Lecture
48	2012	XXII Iranian Congress of Ophthalmology, Tehran, Iran	Measurement of angle kappa in dominant eye and nondominant eye	Poster presentation
49	2013	Complications in refractive surgery; 5 <sup>th</sup> annual congress of MUMS Ophthalmology group and ERC	Refractive surgery and glaucoma	Oral lecture, <i>Invited lecturer</i>
50	2013	Progress and Innovation in Ophthalmology; SBMU Annual Congress	Current concepts in medical therapy of glaucoma	Oral lecture, <i>Invited lecturer</i>
51	2013	XXIII Iranian Congress of Ophthalmology, Tehran, Iran	Modified pressure patching for the treatment of chronic hypotonic maculopathy	Poster presentation
52	2013	XXIII Iranian Congress of Ophthalmology, Tehran, Iran	Modified pressure patching for management of early post-trabeculectomy over-filtration and flat anterior chamber	Oral lecture, <i>Invited lecturer</i>
53	2013	XXIII Iranian Congress of Ophthalmology, Tehran, Iran	Normal Optic Disc	Oral lecture; Workshop, <i>Invited lecturer</i>
54	2013	XXIII Iranian Congress of Ophthalmology, Tehran, Iran	Anterior segment OCT abilities and limitations	Oral lecture; Workshop; Panelist
55	2013	XXIII Iranian Congress of Ophthalmology, Tehran, Iran	Glaucoma associated with disorders of iris and corneal endothelium	Oral lecture; Workshop; Moderator & Panelist
56	2013	XXIII Iranian Congress of Ophthalmology, Tehran, Iran	Cataract surgery in a nanophthalmic eye with chronic angle closure glaucoma	Video presentation; top 15 videos of the congress
57	2013	XXIII Iranian Congress of Ophthalmology, Tehran, Iran	Modified Schocket procedure for glaucoma management	Video presentation; top 15 videos of the congress
58	2014	9 <sup>th</sup> Seminar on Progress and Innovation in Ophthalmology, Tehran, Iran	Primary angle closure disease	Panelist, <i>Invited lecturer</i>

59	2014	6 <sup>th</sup> Seasonal Meeting of Iranian Glaucoma Society, Tehran, Iran	PACD: New evidences	Moderator, <i>Invited lecturer</i>
60	2014	Glaucoma: Current Concepts, Ahwaz, Iran	Recent pathophysiologic findings in PACD	Oral Lecture, <i>Invited lecturer</i>
61	2014	Glaucoma: Current Concepts, Ahwaz, Iran	Structural vs. functional tests	Oral Lecture, <i>Invited lecturer</i>
62	2014	Glaucoma: Current Concepts, Ahwaz, Iran	Surgical innovations	Oral Lecture, <i>Invited lecturer</i>
63	2014	20 <sup>th</sup> Farabi Annual Meeting	Glaucoma Imaging	Panelist, <i>Invited lecturer</i>
64	2014	2 <sup>nd</sup> Annual Congress of Stem Cells and Application	Stem cells in glaucoma management	Lecturer, Panelist, <i>Invited lecturer</i>
65	2014	Controversies in Ophthalmology	PACD	Panelist, <i>Invited lecturer</i>
66	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Stem cell therapy for glaucoma management: Glaucoma subspecialty program	Oral Lecture, <i>Invited lecturer</i>
67	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Glaucoma diagnosis: Glaucoma subspecialty program	Panelist, <i>Invited lecturer</i>
68	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Glaucoma suspect: Young Ophthalmologists Program	Oral Lecture, <i>Invited lecturer</i>
69	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Perimetric test selection: Perimetry workshop	Oral Lecture; Panelist, <i>Invited lecturer</i>
70	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Tips on shunting procedure: Pearls & pitfalls of glaucoma surgery	Oral Lecture, <i>Invited lecturer</i>
71	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Tips on management of glaucoma surgery complications: Pearls & pitfalls of glaucoma surgery	Oral Lecture, <i>Invited lecturer</i>
72	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Determination of Branching Angle of Retinal Arteries in Glaucomatous Patients and Comparison with Normal Variants	Oral Lecture
73	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Iatrogenic Bleb And Hypotonic Maculopathy Following Pterygium Surgery and MMC Usage	Poster Presentation
74	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Evaluation of Effect of Acupuncture in Treatment of Primary Open Angle Glaucoma in Mashhad	Poster Presentation
75	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Chronic Angle-Closure Glaucoma Secondary to Adie's Tonic Pupil and Plateau Iris Configuration; A Case Report	Poster Presentation

76	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Phacoemulsification and Sclerectomy in Severe Nanophthalmos	Film Festival; <b>Winned 2<sup>nd</sup> Prize of the festival</b>
77	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	Aqueous river...	Photo Festival; <b>Winned 2<sup>nd</sup> Prize of the festival</b>
78	2014	XXIV Iranian Congress of Ophthalmology, Tehran, Iran	A gonioscopic flower...	Photo Festival;
79	2015	VII Zahedan Annual Ophthalmology Congress, Chabahar, Iran	Tonometry	Oral Lecture, <i>Invited lecturer</i>
80	2015	VII Zahedan Annual Ophthalmology Congress, Chabahar, Iran	Structural tests: GDx & HRT	Oral Lecture, <i>Invited lecturer</i>
81	2015	21 <sup>st</sup> Farabi Annual Meeting, Tehran, Iran	Needle Bleb Revision	Oral Lecture (Video-based discussion) , <i>Invited lecturer</i>
82	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Scientific Director	
83	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Visual Field	Panelist, <i>Invited lecturer</i>
84	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Principles of medical management and the "target pressure"	Oral lecture, <i>Invited lecturer</i>
85	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Glaucoma in nanophthalmic eye	Oral Lecture, <i>Invited lecturer</i>
86	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Trabectome workshop	Oral Lecture, <i>Invited lecturer</i>
87	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Chronic angle closure glaucoma secondary to Adie's tonic pupil and plateau iris configuration: Case series	Poster presentation
88	2015	VIII Khatam Anbia Annual Ophthalmology Congress:	Comparison of Effect of Cyclosporine Ophthalmic Emulsion 2% and	Poster presentation

		International Congress on Recent Concepts in Glaucoma	Betamethasone Eye Drop on Intraocular Pressure, Conjunctival Hyperemia and Subjective Dry Eye Symptoms Following Trabeculectomy.	
89	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Determination of Branching Angle of Retinal Arteries in Glaucomatous and Normal Variants	Poster presentation
90	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Evaluation of Acupuncture Effect in the Treatment of Primary Open Angle Glaucoma	Poster presentation
91	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Evaluation of IOP Changes in Restrictive Strabismus Patients and Compare it with Nonrestrictive Strabismus Patients before and after Strabismus Surgery	Poster presentation
92	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Iatrogenic bleb and hypotonic maculopathy following pterygium surgery and MMC usage	Poster presentation
93	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Identification of mutation in the cytochrome P450 1B1 (CYP1B1) as the predominant cause of primary congenital glaucoma and linkage analysis in Khorasan provinces	Poster presentation
94	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Rapid and Sustained Resolution of Serous Retinal Detachment in Sturge-Weber Syndrome after Injection of Intravitreal Bevacizumab	Poster presentation
95	2015	VIII Khatam Anbia Annual Ophthalmology Congress: International Congress on Recent Concepts in Glaucoma	Short term intraocular pressure changes after intravitreal bevacizumab injection: effect of prophylactic intraocular pressure-lowering medications	Poster presentation
96	2015	6th World Glaucoma Congress, Hong Kong, HKSAR	Non-penetrating glaucoma procedures (in the workshop: Glaucoma surgery: When things go wrong!)	Oral lecture, <i>Invited lecturer</i>
97	2015	6th World Glaucoma Congress, Hong Kong, HKSAR	Treatment (in the workshop: Exfoliative syndrome and exfoliative glaucoma	Oral lecture, <i>Invited lecturer</i>
98	2015	6th World Glaucoma Congress, Hong Kong, HKSAR	Effect of postoperative topical cyclosporine a 2% versus betamethasone 0.1% on	Poster presentation

			Surgical success of trabeculectomy: a randomized, double masked clinical trial	
99	2015	6th World Glaucoma Congress, Hong Kong, HKSAR	Corneal topographic changes after glaucoma shunting procedure	Poster presentation
100	2015	Ocular Emergencies For General Practitioners, Mashhad, Iran	Acute Primary Angle Closure	Oral lecture
101	2015	XXV Iranian Congress of Ophthalmology, Tehran, Iran	The Micro-Environment of the RGC and the Role of Microglia in GON [ <i>in 'Glaucoma Subspecialty Day: Glaucoma Diagnosis'</i> ]	Oral lecture; <i>Invited lecturer</i>
102	2015	XXV Iranian Congress of Ophthalmology, Tehran, Iran	Gonioscopy [ <i>in '2015 Young Ophthalmologist Program (Glaucoma Session)'</i> ]	Oral lecture; Moderator; Panelist; <i>Invited lecturer</i>
103	2015	XXV Iranian Congress of Ophthalmology, Tehran, Iran	Phaco versus Phaco-Trabeculectomy in Angle Closure Glaucoma [ <i>in 'Workshop: Management of Co-Existing Cataract and Glaucoma'</i> ]	Oral lecture; Panelist; <i>Invited lecturer</i>
104	2015	XXV Iranian Congress of Ophthalmology, Tehran, Iran	Panel, Case-Based Discussion: Common Mistakes in Glaucoma Diagnosis and Treatment [ <i>in 'Workshop: Mistakes in Glaucoma Diagnosis and Treatment'</i> ]	Oral lecture; Panelist; Moderator; <i>Invited lecturer</i>
105	2015	XXV Iranian Congress of Ophthalmology, Tehran, Iran	The Relation Between IOP and Axial Length and Anterior Chamber Depth	Oral lecture
106	2015	XXV Iranian Congress of Ophthalmology, Tehran, Iran	The IOP Rate in Mashhad Population and Its Relation to CDR, BMI, and BP	Oral lecture
107	2015	XXV Iranian Congress of Ophthalmology, Tehran, Iran	Evaluation of IOP Changes in Restrictive Strabismus	Poster Presentation
108	2015	XXV Iranian Congress of Ophthalmology, Tehran, Iran	Comparison of Effect of Cyclosporine Ophthalmic Emulsion 2% and Betamethasone Eye Drop on Intraocular Pressure, Conjunctival Hyperemia, and Subjective Dry Eye Symptoms Following Trabeculectomy	Poster Presentation
109	2015	XXV Iranian Congress of Ophthalmology, Tehran, Iran	The CDR Rate in the Mashhad Population and Its Relation to BMI and BP in Patients with Normal IOP	Poster Presentation
110	2016	VIII International Congress on Glaucoma Surgery (ICGS), Muscat, Oman	Tips on Nonpenetrating Glaucoma Surgeries	Oral lecture; <i>Invited lecturer</i>
111	2016	22 <sup>nd</sup> Farabi Annual Meeting, Tehran, Iran	RNFL & Optic Nerve Head Photography	Oral lecture; <i>Invited lecturer</i>

112	2016	XXVI Iranian Congress of Ophthalmology, Tehran, Iran	Iatrogenic Bleb Formation and Hypotony Maculopathy	Poster Presentation
113	2017	International Congress of Updates on Cataract Surgery	Comparison between Betamethasone, Fluorometholone and Loteprednol Etabonate on intraocular pressure in patients after keratorefractive surgery	Poster Presentation
114	2017	XXVII Iranian Congress of Ophthalmology, Tehran, Iran	Question and Answer	Oral lecture
115	2018	XXVIII Iranian Congress of Ophthalmology, Tehran, Iran	Study the Effect of Pre-Operative Doses of Betamethasone Acetate 0.1% on Dry Eye Control after Cataract Surgery	Poster Presentation
116	2018	XXVIII Iranian Congress of Ophthalmology, Tehran, Iran	Comparing the Effect of Pre-Operative Doses of Betamethasone Acetate 0.1% and Placebo on Control of Eye Inflammation and Pain after Cataract Surgery	Poster Presentation
117	2018	XXVIII Iranian Congress of Ophthalmology, Tehran, Iran	Comparison of Outcomes of Ab Interno Trabeculotomy in Pseudoexfoliative Patients with and without Prior Trabeculectomy	Oral lecture

## Thesis (Supervisor and Advisor)

<u>No</u>	<u>Year</u>	<u>Role</u>	<u>Topic</u>	<u>Student</u>	<u>Degree</u>
1	2007	Advisor	Investigating best incision location and surgeon position in phacoemulsification surgery	Haleh Ghushkhanei	MD student
2	2008	Advisor	Comparison of theoretical and actual anterior chamber depth following Morcher IOL implantation	Mojtaba Abrishami	MD student
3	2009	Advisor	SWAP findings in Type I diabetic patients with clinically 'normal' retina	Zakiyeh Yaghubi	Ophthalmology Resident
4	2009	Advisor	Effect of intravitreal bevacizumab injection on iris neovascularization of neovascular glaucoma patients	Hosein Mohammadnejad	Ophthalmology Resident
5	2009	Advisor	Comparison of results of different keratorefractive procedures	Toktam Talebian	MD student
6	2009	Advisor	Comparison of central corneal thickness measurement with ultrasonic pachimetry, Orbscan and Pentacam	Mona Daraei	Ophthalmology Resident
7	2009	Advisor	Comparison of recurrence and complications of pterygium surgery with preoperative subpterygeal mitomycin C injection and bare scleral resection versus intraoperative MMC injection and conjunctival flap	Majid Farokh Ghate	Ophthalmology Resident
8	2009	Advisor	Correlation between retinal vasculature area and diabetic retinopathy stages with a proprietary image processing software	Maryam Hajipour	Ophthalmology Resident
9	2009	Advisor	Simultaneous evaluation of VEP and PERG in anisometric and strabismic amblyopic patients and healthy subjects	Fatemeh Dashti	Optometry MSc Student
10	2009	Advisor	Automated PCO quantification with a novel image processing software	Mohammad Reza Pourshahabi	Artificial Intelligence MSc Student
11	2010	Advisor	Investigating the effect of intravitreal injection of tissue plasminogen activator (t-PA) on	Setareh Sagheb Hoseinpour	Ophthalmology Resident



			refractory macular edema of nonproliferative diabetic retinopathy patients		
12	2010	Supervisor	Incidence and risk factors of endophthalmitis following open globe injury	Vesam Rostamnejad	MD student
13	2010	Advisor	Determining the normal range of ductions in 100 healthy subjects	Elham Kargozar	MD Student
14	2010	Advisor	Effect of incision location on central corneal endothelial loss in phacoemulsification	Maria Sharepour	Ophthalmology Resident
15	2010	Advisor	Determining normal bulbar conjunctival vasculature area with a novel image processing software in healthy subjects	Mohsen Basiri	MD Student
16	2011	Advisor	Intraocular pressure changes following botulinum A toxin injection in extraocular muscles	Mahdiyeh Azimizadeh	Ophthalmology Resident
17	2011	Supervisor	Comparison of retinal arterial branching angles in glaucomatous and healthy subjects	Amin Hoseinzadeh	MD Student
18	2012	Advisor	Result of hyperopic PRK with rotating patient's head in high angle kappa subjects	Samaneh Davoudi	Ophthalmology Resident
19	2013	Supervisor	Correlation between retinal arterial branching angles and nonproliferative diabetic retinopathy stages	Shahin Golestani	MD Student
20	2013	Supervisor	Novel software for glaucoma screening with combining fundus photograph and optical coherence tomography data	Fatemeh Sadat Faal Hoseini Mazloun	Artificial Intelligence MSc Student
21	2014	Supervisor	Short time intraocular pressure (IOP) fluctuation in intravitreal bevacizumab injection	Habib Jafari	Ophthalmology Resident
22	2014	Supervisor	Comparison of clinical and corneal effects of topical prednisolone and topical prednisolone plus topical diclofenac in the treatment of acute anterior uveitis	Masoud Shafiei	Ophthalmology Resident
23	2014	Supervisor	Measuring and comparing intraocular pressure (IOP) after implanting Intracorneal Rings by	Hamed Hoseinikhah	MD Student

			the different Tonometers; Schiotz, Goldman , TonoPen and ORA		
24	2014	Advisor	Evaluation of effect of acupuncture in treatment of primary open angle glaucoma	Amir Ghafarian Mashhadi	Ophthalmology Resident
25	2015	Supervisor	Evaluation of correlation between LOXL1 gene polymorphisms and LOXL1 gene expression in exfoliation glaucoma patients of Khorasan province	Elham Taghavi	Medical Genetic PhD Student
26	2015	Supervisor	Comparison of anterior segment morphology changes using anterior segment optical coherence tomography (AS-OCT) after phacoemulsification versus phacotrabeculectomy in patients with coexisting primary angle closure glaucoma( PACG) and cataract	Mojtaba Ghadamzadeh	Ophthalmology Resident
27	2015	Supervisor	The effect of trabeculectomy on contrast sensitivity and corneal aberration	Ahmad Gholami	Optometry MSc Student
28	2015	Supervisor	Outcomes of AGV implantation at Khatam Anbia Eye Hospital of Mashhad	Fatemeh Gholami	MD Student
29	2015	Supervisor	Comparison of effect of Cyclosporine ophthalmic emulsion 2% and Betamethasone eye drop on intraocular pressure, conjunctival hyperemia and subjective dry eye symptoms following Trabeculectomy	Esmaeil Babaei	Ophthalmology Resident
30	2015	Supervisor	An investigation of the effect of spectacle-contact lens combination used as a reverse Galilean telescope on visual field in glaucomatous patient	Maryam Badakhsh	Optometry MSc Student
31	2015	Supervisor	Evaluation of CYP1B1 mutations in PCG cases in Khorasan Provinces	Fatemeh Arab	Medical Genetic PhD Student
32	2015	Supervisor	Dermatologic findings in pseudoexfoliation syndrome	Fatemeh Ahmadpour	MD Student
33	2016	Supervisor	Major depression disorder in Iranian glaucomatous patients	Yasaman Nikoueiyan	MD Student

34	2016	Supervisor	Trabectome surgery results in Iranian glaucomatous patients	Babak Khosraviani	Ophthalmology Resident
35	2017	Supervisor	Associations of five suspicious polymorphisms from genome wide associated study with primary angle closure glaucoma in patients coming to a referral eye hospital in	Ali Yousefian	Ophthalmology Resident
36	2018	Advisor	The effect of Collaborative Care Model on functional vision and quality of life in adolescents with glaucoma	Monir Sedaghat	Nursing MSc Student
37	2018	Advisor	comparison of level of agreement between Oculus and Metrovision perimeter in glaucomatous eyes	Zahra Patoo	Optometry MSc Student
38	2019	Supervisor	Trabeculectomy With or Without Intraoperative Sub-Tenon Injection of Triamcinolone Acetonide in Patients with glaucoma	Amir Reza Ansar	Ophthalmology Resident

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### Publications and Book Chapters

<b>No</b>	<b>YEAR</b>	<b>TITLE</b>	<b>PUBLISHER</b>	<b>LANGUAGE</b>
1	1997	Cellular and Molecular Immunology ( <i>Scientific and technical editing</i> )	JDM Press	Persian
2	2003	Diagnosis and Therapy of Rheumatic Disorders	MUMS	Persian
3	2006	Nursing in Ophthalmology. ISBN: 964-5627-82-6	MUMS	Persian
4	2010	Incisions in Refractive Phacoemulsification. ISBN: 978-964-5944-49-8	MUMS	Persian
5	2010	Diagnostic Evaluation of Optic Disc in Glaucoma	TUMS	Persian
6	2010	Principles and Techniques in Phacoemulsification	MUMS	Persian
7	2011	Phacoemulsification: Principles and Techniques. ISBN: 978-964-5944-72-6	MUMS	Persian
8	2012	Visual Field: Principles and Clinical Application. ISBN: 978-600-6721-11-8	Namak Pub.	Persian
9	2012	Fasting in Healthy and Diseased Condition	MUMS	Persian
10	2013	Cataract Surgery and Dry Eye. In: Cataract Surgery/ Book 1. ISBN: 978-953-307-257-9	InTech, Open Access	English
11	2013	Principles of Nursing in Ophthalmology Operating Room	MUMS	Persian
12	2018	stem cells and clinical applications	MUMS	Persian
13	2019	Stem Cells and Medical Clinical Applications	MUMS	Persian



## **Surgical Experiences**

- 1 Cataract Surgery (Mainly phacoemulsification): 6,000+
- 2 Trabeculectomy: 3,000+
- 3 Glaucoma shunting procedure (Mainly AGV): 1,000+
- 4 Nonpenetrating glaucoma surgery: 200+
- 5 Pediatric glaucoma surgery: 250+
- 6 Keratorefractive surgery (Mainly PRK): 1000+
- 7 Miscellaneous ophthalmic surgeries (including DCR and strabismus surgery): ~ 200

## **Research Interests**

- 1 Glaucoma: all topics, mainly diagnostic imaging
- 2 Diabetic retinopathy
- 3 Cataract
- 4 Image processing and artificial intelligence

## **Scientific Travel History**

- 1 *France*: June 28, 2011 – July 4, 2011. Attending World Glaucoma Congress
- 2 *United Arab Emirates*: February 15, 2012 – February 21, 2012. Attending World Ophthalmology Congress
- 3 *USA*: May 2012. Attending Research and Treatment in Ophthalmology Program. An Exchange Program.
- 4 *Italy, Switzerland, Greece*: September, 2012. ESCRS Congress
- 5 *France*: June 2014. Attending 11<sup>th</sup> EGS Congress
- 6 *Hong Kong (HKSAR)*: June 2015. Attending 6<sup>th</sup> WGC
- 7 *UAE*: December 2015. Attending the 16<sup>th</sup> Emirates Society of Ophthalmology (ESO) Congress
- 8 *Sultanate of Oman*: February 2016. Attending 8<sup>th</sup> ICGS Congress.

## **Languages**

- 1 Persian (maternal language)
- 2 English
- 3 Arabic (scholastic)
- 4 German

## Hobbies

- Swimming
- Mountain climbing
- Bicycling
- Computer programming, mainly focusing on databases and data mining

## References

- 1 **Amini H, M.D.** President of Iranian Glaucoma Society, Professor of Ophthalmology, Tehran University of Medical Sciences, Tehran, Iran. E-mail: heydar\_amini@yahoo.com
- 2 **Abrishami M, M.D.** Professor of Ophthalmology, Mashhad University of Medical Sciences, Mashhad, Iran. E-mail: abrishamim@mums.ac.ir