



Curriculum Vitae

Name : Rana Sorkhabi

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Sex and Marital status : Female & Married

Birth date: 07/11/1972, Tabriz, Iran

Educations :

MD : Tabriz University of Medical Sciences, Grade A, 1990- 1997.

Ophthalmology : Tabriz University of Medical Sciences, 1998-2002.

Fellowship of cornea & refractive surgery: Tehran University of Medical Sciences, 2003-2004

Honors : 1° grade in Iranian board of ophthalmology 2002.

Academic positions :

1. Professor of ophthalmology , Tabriz University of medical sciences.
2. Councillor in research committee of ophthalmology , Tabriz University of medical sciences.
3. Scientific reviewer for Bina, MEAJO and Tabriz medical journals.
4. Head of Glaucoma service in Nikookari Eye Hospital 2012-2016.
5. Deputy for specialized and subspecialized education in ophthalmology department 2012-2014.
6. Educational Deputy of Nikookari Eye Hospital 2012-2015.

Teaching experiences:

Daily practical and theoretical teaching to medical students, residents and fellowships.

Publications :

International journals:

1. R Sorkhabi, N Taheri. Topiramate induced bilateral angle closure glaucoma. Iranian journal of ophthalmology.2008,20:49-52.
2. R Sorkhabi, A Ghorbanihaghjo, A Javadzadeh, B F Motlagh, B.F. S SH Ahari . Aqueous humor hepcidin prohormone levels in patients with primary open angle glaucoma. Molecular Vision.2010,16:1832-1836.
3. R Sorkhabi, A Ghorbanihaghjo, A Javadzadeh, N Rashchizadeh, M Moharrery. Oxidative DNA damage and total antioxidant status in glaucoma patients. Molecular vision 2011,17:41-46.
4. Sorkhabi, R. Alipanahi, R. Eftekhari-Milani, A. Ghojzadeh, L. The influence of topical diclofenac sodium on the ocular hypotensive effect of latanoprost in glaucoma patients. Journal of Glaucoma.2011,20:240-243.
5. R Sorkhabi, A Ghorbanihaghjo, M H Ahoor, M. Oxidative stress in pseudoexfoliation syndrome. Iranian journal of ophthalmology.2011,23:27-32.
6. MR Sedghipour, R Sorkhabi, A Shenasi. Dehghan, H. Outcome of penetrating keratoplasty in corneal ulcer: A single-center experience. Clinical ophthalmology.2011,5:1265-1268.
7. R Sorkhabi, MB Rahbani, M H Ahoor, V Manoochehri. Retinal nerve fiber layer and central corneal thickness in patients with exfoliation syndrome. Iranian journal of ophthalmology.2012,24:40-46.
8. MR Sedghipour, R Sorkhabi, A Mostafaei. Wavefront-guided versus cross-cylinder photorefractive keratectomy in moderate to high astigmatism: A cohort of two consecutive clinical trials. Clinical ophthalmology.2012,6:199-204.
9. R Sorkhabi, A Mostafaei, M H Ahoor, M Talebi. Evaluation of retinal nerve fiber layer thickness in migraine. Iranian J Neurol.2013,12:51-55.
10. R Sorkhabi, A Ghorbanihaghjo, M Ghasemi, A Khabazi, M H Ahoor, M. Lacritin level in tear film of rheumatoid arthritis patients. . Iranian journal of ophthalmology.2013,24:284-287.
11. R Sorkhabi, MR Sedghipour, A Mahdavi. Collagen cross-linking for resistant corneal ulcer.2013,33:61-66.
12. R Sorkhabi, A Ghorbanihaghjo, M H Ahoor, M Nahaei, N Rashchizadeh. High-sensitivity C- reactive protein and tumor necrosis factor alpha in pseudoexfoliation syndrome. Oman medical journal.2013,28:16-19.
13. R Sorkhabi, M H Ahoor, Y Amizadeh. The effect on intraocular pressure of latanoprost with once every other day dosing in glaucoma patients. International eye science.2013,13:841-844.
14. M Talebi, M Nikanfar, M, R Sorkhabi, E Sharifipour, M Bahrebar, A Kiavar, S Andalib, H Mohamadkhani. Optical coherence tomography findings in relapsing-remitting multiple sclerosis patients of the northwest of Iran. Iranian J Neurol, 2013. 12:81-86.
15. R Sorkhabi, M H Ahoor, Y Amizadeh. The effect on intraocular pressure of Latanoprost with once every other day dosing in glaucoma patients. Int eye Science.2013,13:841-844.
16. A Ghorbanihaghjo, A Javadzadeh, N Rashchizadeh, R Sorkhabi, R, H Khalili, B Rahimi. Osteoprotegerin and soluble receptor activator of nuclear factor- kappa B ligand in exudative age related macular degeneration. Acta Medica Iranica.2014,52:265-270.

17. A Javadzadeh, A Ghorbanihaghjoo, E Heidari, N Baharivand, K Sadeghi, R Sorkhabi, MH Ahoor, MH. Matrix γ -carboxyglutamate protein and Fetuin-A, in wet type age related Macular degeneration. *International journal of ophthalmology*. 2015, 8:556-559.
18. S Shams vahdati, C Gholipoor, M Jalilzadeh, P Moharramzadeh, R Sorkhabi, R Jalilian
19. . Clinical findings provide criteria to evaluate priorities of ophthalmologic intervention in conscious multiple trauma patients. *Injury*. 2015, 46:1238-1240.
20. R Sorkhabi, A Ghornabihaghjo, N Taheri, MH Ahoor. Tear film inflammatory mediators in patients with keratoconus. *International Ophthalmology*, 2015, 35:467-472.
21. MH Ahoor, Y Amizadeh, R Sorkhabi. Achondroplasia and macular cloboma. *MEAJO*. 2015, 22:522-524.
22. A Mahdavi Fard, R Sorkhabi, A Tajlil. Extrapulmonary tuberculosis presenting with isolated uveitis. *Iranian journal of public health*. 2015, 44:1720-1722.
23. M Ahoor, M. K Sadeghi, R Sorkhabi, P Pourreza, M Shirdel. Comparison visual acuity and macular thickness in macular edema due to BRVO with intravitreal injection of TPA. *Sch. J. App. Med. Sci*, 2015, 3:981-986.
24. MH Ahoor, A Ghornanihaghjoo, R Sorkhabi, A Kiavar. Klotho and endothelin-1 in pseudoexfoliation syndrome and glaucoma. *Journal of Glaucoma*. 2016, 25:919-922.
25. MH Ahoor, R Sorkhabi, AE Milani AE, SA Kaleibar,. Comparison of one step macular hole and cataract surgery with two step surgery. *International eye science*. 2016, 16:1795-1799.
26. MH Ahoor, R Sorkhabi. Intraocular FB removal by G 23 microincision vitrectomy surgery and back flush needle: A case series study. *Global journal of health science* .2016
27. MH Ahoor, R Sorkhabi, A Pouraligoli ipchi. Comparison of postoperative topographic changes between 23 G transconjunctival suturless vitrectomy and 20G transconjunctival vitrectomy. *Crescent journal of medical and biological sciences*. 2018
28. MH Ahoor, R Beirami, R Sorkhabi, F Mosavi, A Taheri. Comparison the effect of Avastin alone with intravitreal TPA plus Avastin on hemorrhagic choroidal neovascularization in patients with neovascular age related macular degeneration. *Research in Medicine*. 2017, 41:227-235.
29. A Mahdavi fard, R Sorkhabi, K Nasiri, A Tajlil . Effect of trabeculectomy on ocular high order aberrations in patients with open angle glaucoma. *North Clin Istanbul*. 2018, 5:54-57.
30. MH Ahoor, R Sorkhabi, A Najafi, AE Milani, A Mohammadzade. Serum Vitamin D level in different stages of age-related macular degeneration . *Journal of Biochemical Technology* 10 (2-2019), 164-167, 2019.
31. R Sorkhabi, P Khatibian. Correlation of biomechanical features of keratoconus patients with severity of disease. *Avicenna journal of clinical medicine* 25(4), 200-206, 2019.
32. A Mahdavi Fard, R Daei Sorkhabi, M Khazaei, ND Nader. The effects of collagen cross-linking on corneal density: a comparison between accelerated and conventional methods. *International Ophthalmology* 39, 1559-1566, 2019.
33. S Ojaghhihaghghi, SS Vahdati, R Sorkhabi, KM Lombardi, S Davis, A Pourmand. Ultrasonographic diagnosis of traumatic eye and orbital injuries: clinical evaluation of patient selection criteria reply. *Annals of emergency medicine* 75(1), 122-123, 2020.
34. A Mahdavi Fard, SP Patel, R Daei Sorkhabi, S Salekzamani, E Pezzino, ND Nader. Posterior pole retinal thickness distribution pattern in keratoconus. *International Ophthalmology* 40, 2807-2816, 2020.

35. R Sorkhabi, MH Ahoor, AG Haghjo, E Tabei. Assessment of tear inflammatory cytokines concentration in patients with diabetes with varying severity of involvement. *Experimental Eye Research* 224, 109233, 2022.
36. R Sorkhabi, S Asghari, A Arasteh, A Jafari, MH Ahoor. Corneal endothelial layer changes in various stages of keratoconus and their correlation with topographic findings: A cross sectional study. *Medical Journal of Tabriz University of Medical Sciences*. 2024
37. MH Ahoor, R Sorkhabi, F Najafzadeh, S Mahmoudzadeh, A Arasteh, T Attar. Comparison of retinal and choroidal vascular changes via optical coherence tomography angiography between pseudoexfoliative glaucoma and pseudoexfoliative syndrome and controls. *Photodiagnosis and Photodynamic Therapy* 51, 104444, 2025
38. H Vahedi, M Abdollahi, R Moshfeghinia, S Emami, N Sobhi, R Sorkhabi, A Jafarizadeh. Retinal thickness and vascular density changes in Keratoconus: A systematic review and meta-analysis. *Heliyon* 2025
39. R Sorkhabi, S Khavandi, H Ayromlou, MH Ahoor, M Mohammadkhani. Frequency of dry eye syndrome in patients with multiple sclerosis: A cross sectional case- control study *Journal of Research in Clinical Medicine* 12 (1), 7-7, 2024.

National journals

۱. بررسی نتایج استفاده از غلظت کم میتومایسین در عمل فیلترینگ بیماران مبتلا به گلوکوم زاویه باز, مجله پزشکی دانشگاه علوم پزشکی تبریز. بهار ۱۳۸۲
۲. نتایج عمل کراتوپلاستی لاملار اتوماتیک در کدورت های استرومای قدامی قرنیه, مجله چشم پزشکی ایران. ۱۳۸۴
۳. گزارش یک مورد ارتشاح حلقوی به دنبال استفاده بیش از حد قطره تتراکاین, مجله چشم پزشکی ایران. ۱۳۸۴
۴. مقایسه سایکلوکرایوتراپی با سایکلو فتو کواگولاسیون با لیزر دیود از روی اسکلرا در بیماران مبتلا به گلوکوم مقاوم به درمان, مجله پزشکی دانشگاه علوم پزشکی تبریز. تابستان ۱۳۸۷.
۵. نتایج جاگذاری لنزهای داخل چشمی فاکیک ارتیزان در بیماران مبتلا به نزدیک بینی بال, مجله پزشکی دانشگاه علوم پزشکی تبریز زمستان ۱۳۸۷
۶. مقایسه نتایج پیوند نفوذی و پیوند لایه ای عمقی قدامی قرنیه در درمان قوز قرنیه. مجله پزشکی دانشگاه علوم پزشکی تبریز. تابستان ۱۳۸۸.
۷. مقایسه انحرافات جبهه موج بعد از عمل جراحی کاتاراکت در دو نوع لنز داخل چشمی کروی و غیر کروی, مجله پزشکی دانشگاه علوم پزشکی تبریز. تابستان ۱۳۸۹.
۸. مقایسه دقت اندازه گیری فشار داخل چشم با سه تونومتر ایر پاف, تونوپن و گلدمن. مجله علمی دانشگاه علوم پزشکی همدان. زمستان ۱۳۸۸.
۹. مقایسه نتایج اصلاح استیگماتیسم متوسط- بالا در کراتکتومی فوتورفکیتیو به دو روش با هدایت جبهه موج و سیلندر متقاطع. مجله علمی دانشگاه علوم پزشکی همدان. زمستان ۱۳۸۸.
۱۰. تاثیر دیکلوفناک سدیم موضعی بر روی اثرات کاهش دهنده فشار داخل چشمی توسط لاتانوپروست در افراد سالم. مجله پزشکی دانشگاه علوم پزشکی تبریز. ۱۳۸۹.

۱۱. مقایسه تأثیر دوز واحد قطره سیپروفلوکساسین ۳٪ در صدو بتادین ۵ درصد در کلونیزاسیون فلور طبیعی ملتحمه چشم قبل از جراحی کاتاراکت. مجله پزشکی دانشگاه علوم پزشکی تبریز. ۱۳۹۰.
۱۲. پیامد جراحی ترابیکولکتومی در بیماران مبتلا به گلو کوم در مرکز آموزشی در مانی نیکوکاری تبریز، مجله پزشکی دانشگاه علوم پزشکی تبریز. ۱۳۹۲.
۱۴. مقادیر سرمی مس و روی در مبتلایان به سندرم سودواسفولیاسیون مجله پزشکی دانشگاه علوم پزشکی تبریز. ۱۳۹۲.
۱۵. سطح پروتئین کلوتو و اندوتلین ۱ در سرم و زلالیه بیماران مبتلا به سندرم سودواسفولیاسیون. مجله چشم پزشکی بینا ۱۳۹۳
۱۶. ویژگیهای بیومکانیکال قرنیه در مبتلایان به سندرم PEX. مجله چشم پزشکی بینا. ۱۳۹۵
۱۷. بررسی اثر داخل ویتره اواستین و ترکیب داخل ویتره اواستین و فعال کننده بافتی پلاسمینوژن بر حدت بینایی و ضخامت ماکولا در بیماران با دژنراسیون ماکولای وابسته به سن، مجله پژوهش در پزشکی ۱۳۹۶

Conference presentations (international)

1. EIOCEM 2003, Dubai: computer vision syndrome.
2. ESCRS 2004, Paris: results of ALTK for corneal opacities following PRK
3. Emergency medicine congress 2009, Valencia: criteria for emergent ophthalmologist intervention in multitrauma patients.
3. ESCRS 2012: Vienna :TNF in PEX syndrome.
3. WOC 2012: Abu Dhabi :High sensitivity C-reactive protein in PEX.
4. ESCRS 2013: Milan: collagen cross linking in persistent corneal ulcer.

Conference presentations (national)

1. 11 th annual congress of IRSO, Tehran, 1380: low dose MMC in trabeculectomy
2. 12 th annual congress of IRSO, Tehran, 1381: INT a2b in corneal CIN.
3. 13 th annual congress of IRSO, Tehran, 1382: corneal topographic changes following strabism surgery.
4. 14 th annual congress of IRSO, Tehran, 1383: ALTK in ant. stromal opacities
5. 15 th annual congress of IRSO, Tehran, 1384: corneal ring following tetracaine abuse.
6. 16 th annual congress of IRSO, Tehran, 1385 Ahmed glaucoma valve in refractory glaucoma.
7. 17 th annual congress of IRSO, Tehran, 1386: Topiramate induced bilateral glaucoma.
8. 18 th annual congress of IRSO, Tehran, 1387: subconjunctival Avastin in corneal neovascularisation
9. 19 th annual congress of IRSO, Tehran, 1388: oxidative stress and POAG
10. 10 th annual congress of anesthesiology, Tabriz, 1387, topical phacoemulsification without intracameral lidocaine.

11. 9th Iranian congress of science , Hamadan 1389, CCT and refractive status in glaucoma patients.
12. Innovations in ophthalmology, Tehran, 1390, Trace elements in PEX.
13. 22th annual congress of IRSO, Tehran, 1391: Fetuin A and Matrix Carboxyglutamate protein in wet type AMD.
14. 23th annual congress of IRSO, Tehran, 1392: Lacritin level in tear film of AR patients.
15. 24th annual congress of IRSO, Tehran, 1393: Tear film inflammatory mediators in keratoconus.
16. 25th annual congress of IRSO, Tehran, 1394: Scleral patch graft in the management of choroidal prolapse after scleral buckling.

Supervision of Thesis

1. The effect of topical ciprofloxacin 0.3% and povidine iodine 5% on conjunctival bacterial flora before cataract surgery, 1386, Fariba Karimpoori, MD.
2. Evaluation of 8-hydroxy-2-deoxyguanosine level in serum and aqueous of patients with glaucoma, 1387, Melorina Moharrery, MD.
3. Evaluation of Hepcidin in serum and aqueous humor of patients with open angle glaucoma, 1387 Solmaz Shoa , Ophthalmologist.
4. Determination of retinal nerve fiber layer thickness in patients with PEX using OCT. 1388, Vahideh Manoochehri, Ophthalmologist.
5. Evaluation of retinal nerve fiber layer thickness in Migraine, 1389, Somayeh Mostafaei, Neurologist.
6. High sensitivity C-reactive protein level in PEX, 1389, Mehriar Nahaei, MD.
7. Effect of prostaglandin analogues on corneal thickness in patients with OPAG, 1390, Zeinab Rabiei, MD.
8. Lacritin level in tear film of patients with AR. 1390, Mehrnoosh Ghasemi, Ophthalmologist.
9. Etiologic evaluation of ocular trauma in emergency service of Nikookari eye Hospital, 1391, Maryam Esmaeili, MD.
10. The levels of Endothelin-1 and Klotho in aqueous humor and serum of patients with PEX and PES glaucoma, 1391, Ali Kiavar, Ophthalmologist.
11. Comparison results of trabeculectomy with collagen matrix and MMC in patients with OAG, 1392, Zahra Poorseyed, Ophthalmologist.
12. IL10, 1B and TNF alpha in aqueous humor of patients with PEX, 1393, Ehsan Kazemi, Ophthalmologist.

13. Evaluation of corneal biomechanical changes following trabeculectomy in patients with POAG, and PEG. 1395, Farhad Najafzadeh, Ophthalmologist.
14. Evaluation of anterior segment parameters in keratoconic eyes measured with Pentacam system. 1395, Arezoo Sobhani, MD.
15. Correlation of high order aberrations with corneal thickness in keratoconus patients, 1397, Abbas Ahmadi, Ophthalmologist
16. Visual acuity and macular thickness in hemorrhagic CNV due to AMD with IVB alone in comparison with TPA plus IVB, 1396 Rahman Beyrami, ophthalmologist.
17. Phacotrabeculectomy vs trabeculectomy and sequential cataract and trabeculectomy in control of IOP, 1396, Ayla Jamali, MD.
18. Correlation between changes and pattern of posterior retinal thickness in patients with keratoconus , 1398, Sara Salak Zamani.
19. Comparison of retinal and choroidal vascular changes via OCT-A between pseudoexfoliative glaucoma and pseudoexfoliative syndrome and control. 1401, Sheyda Mahmoodzade, ophthalmologist.
20. Evaluation of tear inflammatory cytokines concentration in diabetic patients at different stages. 1401, Elnaz Tabei, ophthalmologist.

Advisor of Thesis:

1. Comparison of wavefront aberration after cataract surgery with 2 foldable intraocular lens implantation , 1385, Mahmood Hasanzadeh, Ophthalmologist.
2. Effect of post trabeculectomy Avastin injection in patients with open angle glaucoma versus control. 1387, Yousef Taghavi, Ophthalmologist.
3. Comparison between wavefront guided PRK versus Visx custom & cross cylinder with Nidek for high astigmatism. 1387, Pezhman Khatibian, Ophthalmologist.
4. Visual outcome of YAG-laser capsulotomy in patients with PCO, 1388, MD.
5. Changes of corneal high order aberrations after trabeculectomy. 1394, Kamal Nasiri, Ophthalmologist.
6. Evaluation of changes in corneal densitometry after cross-linking in keratoconus patients and comparison of effects of accelerated versus conventional technique. , 1394, Mojtaba Khazaei, Ophthalmologist.
7. Visual and structural changes in treatment of hemorrhagic CNV due to AMD with intravitreal Avastin versus TPA. 1395, Rahman Beirami, Ophthalmologist.

8. Changes in corneal topography after G23 versus G20 transconjunctival deep vitrectomy, 1396, Amirreza Ipchi, Ophthalmologist.

9. Comparison the results of phacotrabeculectomy versus sequential trabeculectomy and phaco on IOP .1396.Aila Jamali,MD.

10.Comparison of IOP,and ocular biometric characteristic in DALK vs PKP. 1396, Amir Jediat, MD.