سلامت بینایی
VISION HEALTH

Inside Look at

Vision Health Subspecialty Clinic and Research Center

5th Floor, No. 8, 2nd alley,
in front of Day Hospital, Valiasr St.,
Tehran, Iran

2024-2025

https://visionhealth.ir

سلامت بینایی
VISION HEALTH

TABLE OF CONTENTS

Welcome Message

سلامت بینایی
VISION HEALTH

Welcome to the Vision Health Subspecialty Clinic and Research Center.

The Vision Health Subspecialty Clinic was established in 2007 with the aim of providing diagnostic and therapeutic services in various fields of ophthalmology. In this clinic, experienced ophthalmologists and skilled personnel use the advanced devices in the world to provide services to patients.

With the increasing number of patients visiting the clinic, a research center was established alongside it to inject valid research findings into clinical practices. By conducting various practical research projects, we aim to take steps towards more beneficial services. This center brings together individuals with diverse specialties including ophthalmology, biotechnology, medical engineering, optometry, and psychology.

This document presents a summary of our services and areas of work for engagement with researchers, research centers, and various universities. It is hoped that through increased interactions, we can take effective steps towards improving the vision of patients in all corners of the world.

سلامت بینایی
VISION HEALTH

About Clinic

The Vision Health Clinic annually hosts over 8,000 patients. Our services include a wide range of diagnostic procedures and treatments, ensuring comprehensive eye care for our patients.

Our clinic is equipped with various diagnostic and therapeutic devices, including slit-lamp biomicroscopy, autorefractometer, lensometer, biometry (IOLMaster700), corneal tomography (Pentacam HR), corneal biomechanical parameter measurement device (Corvis ST), Anterior-segment OCT (CASIA), Air-puff-based IOP measurement, Aberrometry (iTrace), Posterior-segment OCT (Triton), specular microscopy, visual field measurement device, osmolarity measurement device (TearLab), intense regulated pulsed light therapy device for dry eye syndrome (E-eye), and plasma-based non-surgical treatment device (Plexer). These tools enable our medical staff to conduct precise and up-to-date examinations, ensuring high-quality services for our patients.

We specialize in different surgeries include various types of laser vision corrections, phakic intraocular lens implantation, intrastromal corneal ring implantation, different types of corneal transplantations, cataract, pterygium, glaucoma and retina.

سلامت بینایی

VISION HEALTH

About Research Center

We aim to not only understand the complexities of vision but also to develop innovative solutions that can revolutionize eye health care. The applicability of research and the extraction of knowledge from the fusion of skills and research is a longstanding tradition upheld by colleagues at this center.

Our studies encompass a wide spectrum of research, including keratoconus disease, delayed-onset mustard gas keratopathy, non-invasive plasma-based surgery for treatment of eye diseases, corneal cell therapy, tissue engineering, artificial intelligence and intraocular lens calculation methods for challenging patients. Due to the necessity of animal studies in some research, our center has established an animal handling setting specifically for ocular research purposes.

Studies at our center are carried out by experienced researchers and valuable contributors. Whether through domestic collaborations within our country or international partnerships, we believe there is great strength in collaborating with others. Collaborative efforts have been established with various universities, scientific centers, and scientific researchers including:

Tehran University of Medical Sciences

Shahid Beheshti University of Medical Sciences

Azad University of Medical Sciences

Islamic Azad University, Science and Research Branch

Semnan University of Medical Sciences

Iran University of Medical Sciences

Shiraz University of Medical Sciences

Noor Ophthalmology Research Center

Basir Eye Research Center

Royan Institute

Dr. Jorge Alio, (Vissum Center)

Dr. Mona Zarif (optica General)

Dr. Albert Daxer (DIOPTEX Company)

Dr. Pavel Stodulka (Gemini eye clinic)

Dr. Mehrdad Rafat (Linköping University)

Meet Our Team

This team, comprised of diverse expertise, approaches eye-related issues from various perspectives with the aim of addressing challenges and proposing solutions within this field.

سلامت بینایی
VISION HEALTH

Khosrow Jadidi
Corneal Specialist

He is the founder and head of Vision Health clinic and Research Center, a full professor of ophthalmology, and chairman of the board at the Mahde Karamat Charity Institute. He has published many scientific articles and books, along with registered patents. He is among the pioneering ophthalmologists worldwide to successfully conduct stem cell transplantation for the treatment of chemically induced corneal injuries. This groundbreaking achievement showcases his commitment and comprehensive expertise in the field of ophthalmology.

Farhad Nejat
Ophthalmologist

He adheres to avant-garde issues such as diagnosing and treating eye diseases with artificial intelligence. He also invented the PANIS method (Plasma assisted noninvasive surgery), a novel approach for safely treating more than 20 ocular surface diseases in an office-based setting.

Hossein Aghamollaei
Biotechnologist

He holds a Ph.D. in Medical Biotechnology, specializing in research within ophthalmology. With a portfolio of many publications in esteemed scientific journals, he currently serves as the Director of Research Center. His primary focus involves pioneering novel cell therapies and innovative biomaterials tailored to address a spectrum of corneal diseases and injuries.

Shiva Pirhadi
Biomedical Engineer

She holds a Ph.D. in Biomedical Engineering and has dedicated over a decade to ophthalmology research, publishing many articles in reputable journals. Her professional expertise lies in determining intraocular lens power, particularly for challenging cases like keratoconus. Driven by a strong enthusiasm for data mining and machine learning, she seeks to extract valuable and practical knowledge from biological and medical datasets.

Seyede Yasamin Adnani
Computer Engineer

She is currently pursuing a master's degree in personality psychology. One of her specialties is capturing eye images, and some of these images have won awards in photography festivals at ophthalmology congresses. She has significantly contributed to the collection of multi-year data on patients with mustard gas keratopathy, assisting in the creation of an ocular atlas. Currently, she is gathering data from keratoconus patients to compare the relationship between personality traits and adherence to treatment among men and women.

Shima Eghtedari
Biomedical Engineer

She is a biomedical engineering graduate from Tehran Polytechnic University. Her expertise lies in the intersection of technology and healthcare, particularly in the Vision Health clinic, where she contributes to labeling and diagnosing eye diseases through artificial intelligence. Currently, she is actively engaged in PANIS projects and various AI-assisted initiatives, leveraging my aptitudes as a skilled operator for up-to-date ophthalmic devices.

Setare Sadat Besharat
Biomedical Engineer

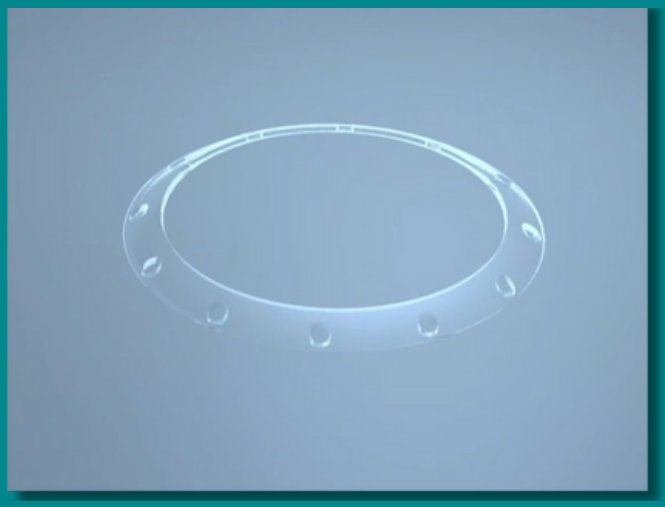
She has a bachelor's degree in biomedical engineering. Among her expert activities are ocular surface imaging, data gathering, evaluation, and analysis of the implanted lenses including ICL, and IPCL. She has an important responsibility in analyzing data from employed intracorneal rings such as Myoring, and Keraring implants in operated patients by eye imaging and data collection.

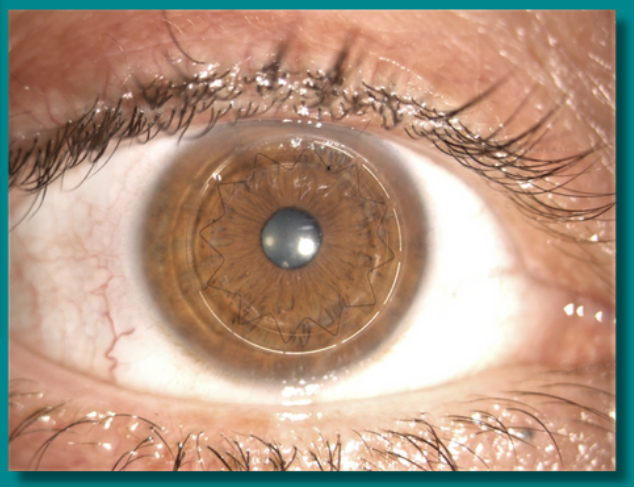
OUR PROJECTS

RinGraft: A Pioneering Journey in Keratoconus Treatment

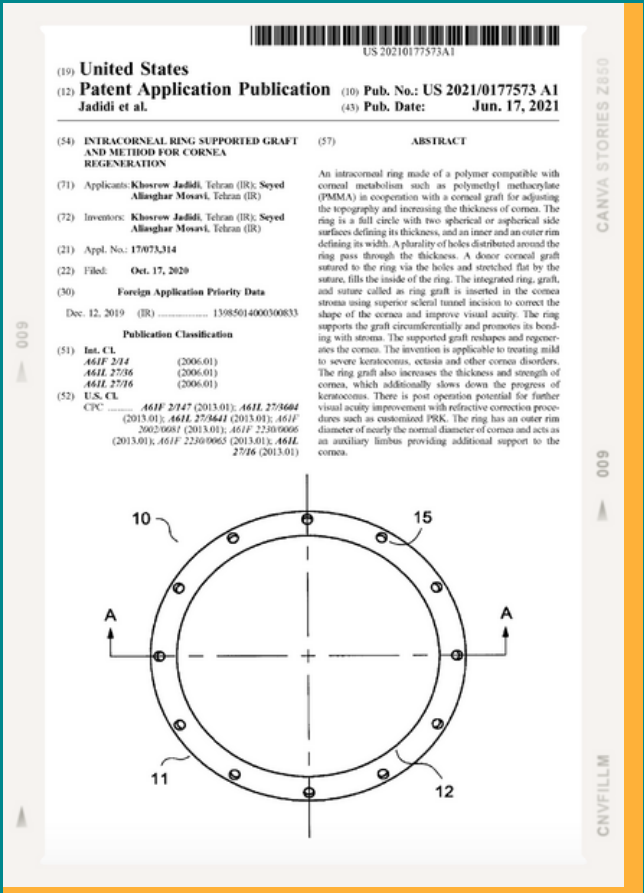
As previously mentioned, one of our crucial research areas is keratoconus disease. In this section, we delve into the innovative approach we have developed over years of research and investigation.

In 2013, we proposed a method called Femtosecond-assisted Intrastromal Corneal Graft Surgery. In this technique, a corneal graft is placed in a pocket created at a specific depth within the stroma. These corneal grafts, which can vary in shape and diameter, were implanted in four keratoconus patients. Interestingly, after a decade, we observed no graft folds or interface complications in these patients. However, the notable outcome that led us to describe another exceptional approach was the significant lack of changes in keratometric values over the years of patient follow-up. This absence of alterations in the follow-up of patients is what makes us believe that the Corneal Allogenic Intrastromal Ring Segments method, proposed recently as one of the treatments for keratoconus, might not substantially aid these patients.





Therefore, in 2018, a new idea emerged. We believed that implanting a tissue into the cornea alone might not have a remarkable effect. This tissue requires a substrate that can create tension on the corneal surface. We conceived an Artificial Limbus and designed a 360-degree ring for corneal tissue attachment based on this concept. We termed this unique combination, which could harness the advantages of both the graft and the ring, as RinGraft. After passing through stages of animal research, we applied RinGraft in eyes of KCN patients. We have not observeed any complications so far, and the results in terms of aberrometry, topography, corneal biomechanics, and refraction have shown remarkable improvements [1,2].



US 20210177573A1

(19) United States
(12) Patent Application Publication
Jadidi et al.
(10) Pub. No.: US 2021/0177573 A1
(43) Pub. Date: Jun. 17, 2021

(54) INTRACORNEAL RING SUPPORTED GRAFT AND METHOD FOR CORNEA REGENERATION

(71) Applicants: Khosrow Jadidi, Tehran (IR); Seyed Aliaghar Mosavi, Tehran (IR)

(72) Inventors: Khosrow Jadidi, Tehran (IR); Seyed Aliaghar Mosavi, Tehran (IR)

(21) Appl. No.: 17/073,314

(22) Filed: Oct. 17, 2020

(30) Foreign Application Priority Data

Dec. 12, 2019 (IR) 13985014000300833

Publication Classification

(51) Int. Cl.
A61F 2/14 (2006.01)
A61L 27/36 (2006.01)
A61L 27/16 (2006.01)

(52) U.S. Cl.
CPC A61F 2/147 (2013.01); A61L 27/3604 (2013.01); A61L 27/3641 (2013.01); A61F 2002/0681 (2013.01); A61F 2230/0006 (2013.01); A61F 2230/0065 (2013.01); A61L 27/16 (2013.01)

(57) ABSTRACT

An intracorneal ring made of a polymer compatible with corneal metabolism such as polymethyl methacrylate (PMMA) in cooperation with a corneal graft for adjusting the topography and increasing the thickness of cornea. The ring is a full circle with two spherical or aspherical side surfaces defining its thickness, and an inner and an outer rim defining its width. A plurality of holes distributed around the ring pass through the thickness. A donor corneal graft sutured to the ring via the holes and stretched flat by the suture, fills the inside of the ring. The integrated ring, graft, and suture called as ring graft is inserted in the cornea stroma using superior scleral tunnel incision to correct the shape of the cornea and improve visual acuity. The ring supports the graft circumferentially and promotes its bonding with stroma. The supported graft reshapes and regenerates the cornea. The invention is applicable to treating mild to severe keratoconus, ectasia and other cornea disorders. The ring graft also increases the thickness and strength of cornea, which additionally slows down the progress of keratoconus. There is post operation potential for further visual acuity improvement with refractive correction procedures such as customized PRK. The ring has an outer rim diameter of nearly the normal diameter of cornea and acts as an auxiliary limbus providing additional support to the cornea.

1. Jadidi K, Mosavi SA, Nejat F, Aghamolaei H, Pirhadi S. Innovative intra-corneal ring-supported graft surgery for treatment of keratoconus and cornea regeneration: Surgical technique and case report. Indian J Ophthalmol. 2022 Sep;70(9):3412-3415. doi: 10.4103/ijo.IJO_2962_21. PMID: 36018132; PMCID: PMC9675543.

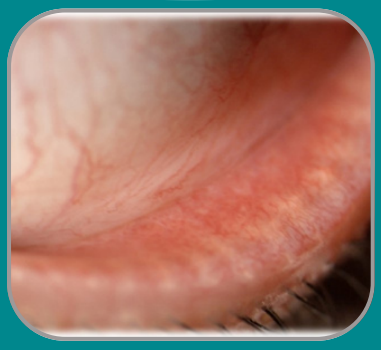
2. Jadidi K, Alio Jorge L., Mosavi SA, Nejat F, Aghamolaei H, Pirhadi S, Dianat MH. Keratoconus Treatment Using Femtosecond Laser–Assisted Innovative Intracorneal Ring–Supported Graft Surgery: A Pilot Investigation. Journal of Refractive surgery Case Reports. 2024 4(1).

PANIS: Revolutionizing the Treatment of Surface Eye Diseases

The PANIS method, an acronym for Plasma Assisted Noninvasive Surgery, represents a remarkable alternative to traditional operating room procedures for treating ocular surface diseases.
This groundbreaking approach offers a safe, convenient, and swift means of addressing these conditions right in the comfort of a doctor's office. By harnessing the power of plasma technology, PANIS ensures that patients receive effective treatment without the need for invasive surgery. This innovative method not only minimizes risks and complications but also optimizes the overall patient experience, promising a brighter future for the management of ocular surface diseases.

Conjunctival Concretion: Before Treatment

Conjunctival Concretion: 6-month after Treatment

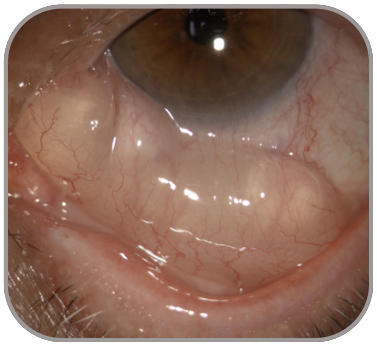


Chalazion: Before Treatment

Chalazion: 6-month after Treatment

We have diligently developed the PANIS method, expanding its efficacy to treat up to 20 different eye diseases.
These include conjunctivochalasis, conjunctival cyst, pinguecula, pterygium, dry eye disease, benign periocular and lid margin lesions, among others.
These guidelines, which have been shared with ophthalmologists all over the world through 31 international workshops, exemplify our commitment to advancing ocular healthcare.

Large Cyst: Before Treatment



Large Cyst: 1-year after Treatment

Valuable Solutions in Mustard Gas Keratopathy Management

Mustard gas (MG) poses as a cytotoxic chemical agent notorious for inducing substantial blister formation. The eye, owing to its moist and mucosal surface, is particularly vulnerable to MG's effects, especially given the high metabolic activity of corneal epithelial cells. MG was first used as a chemical weapon in 1917 during World War I, and notably made a resurgence in the Iran-Iraq War of 1980-1988, marking one of its most common uses in recent times.

At our center, a key objective is the effective management of patients afflicted by Delayed-onset Mustard Gas Keratopathy (DMGK), focusing on comprehensive care and treatment for those impacted by this condition. Over the years, we have conducted valuable studies in this field.

Professor Khosrow Jadidi and other ophthalmologists in Iran have published Clinical Practice Guidelines (CPGs) for the prevention, diagnosis, treatment, and follow-up of eye injuries resulting from exposure to mustard gas [3].

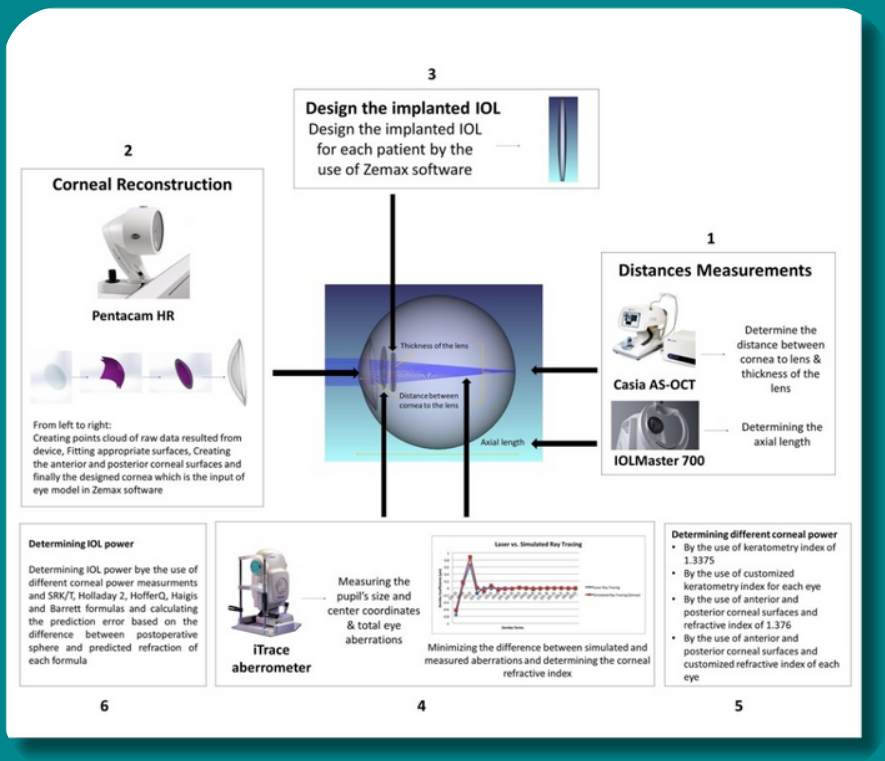
Based on our valuable experiences and numerous studies in the field of DMGK, we have decided to compile an ophthalmic atlas derived from these patients. This atlas has undergone review and will soon be published.

3. Clinical Practice Guidelines for Prevention, Diagnosis and Management of Early and Delayed-onset Ocular Injuries Due to Mustard Gas Exposure. Journal of Ophthalmic and Vision Research. 2017, 12(1):65

Innovative Approach in IOL Power Calculation for keratoconus Patients

Given the reported growth rate of individuals over 65 years old, which stands at 15.1%, the number of patients affected by cataracts is on the rise. Additionally, patients with keratoconus have a higher likelihood of developing cataracts compared to non-keratoconic individuals. Therefore, it's essential for ophthalmologists to prepare for the growing population of patients with keratoconus who may require cataract surgery.

After years of research, we conducted customized optical modeling on several keratoconic eyes and successfully identified the source of calculation error in their IOL power. We've published results for some moderate to severe keratoconus patients and have assessed more patients using this method [4]. Our approach, particularly in moderate to severe cases, has been utilized by multiple ophthalmologists, yielding promising outcomes.

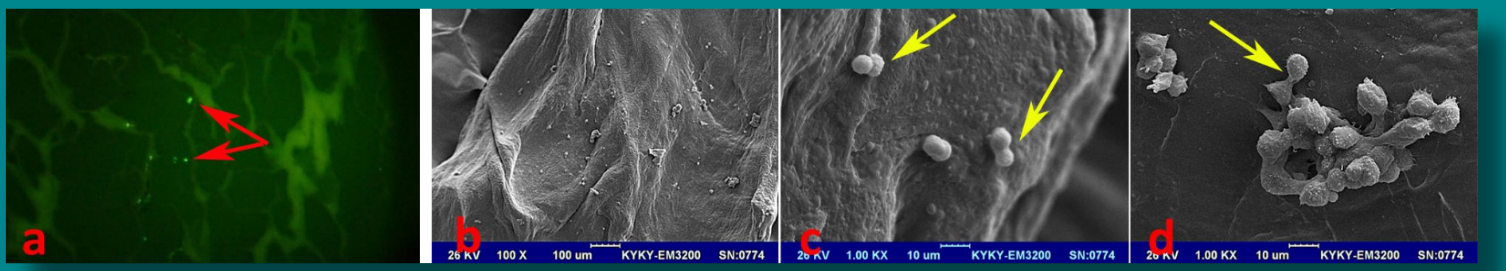


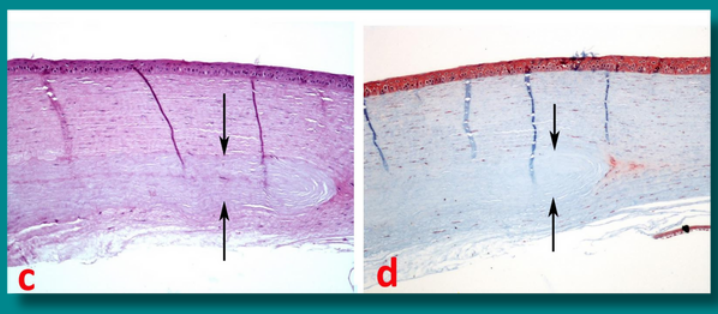
4. Pirhadi, S., Maghooli, K. & Jadidi, K. An innovative approach for determining the customized refractive index of ectatic corneas in cataractous patients. Sci Rep 10, 16681 (2020). https://doi.org/10.1038/s41598-020-73492-4

Cell Therapy and Tissue Engineering Research in Ophthalmology

Conducting basic and preclinical studies in the field of tissue engineering and cell therapy of the cornea is one of the main goals of our Research Center. In line with this goal, several different studies have been conducted in this center in collaboration with various universities [5,6,7].

For example, Implanting recellularized human corneal lenticule with Mesenchymal Stem Cells in the rabbit's cornea was performed. This animal study showed that recellularized lenticules can be an attractive candidate for corneal regeneration.





5. Aghamollaei H, Hashemian H, Safabakhsh H, Halabian R, Baghersad M, Jadidi K. Safety of grafting acellular human corneal lenticule seeded with Wharton's Jelly-Derived Mesenchymal Stem Cells in an experimental animal model. Exp Eye Res. 2021 Apr;205:108451. doi: 10.1016/j.exer.2021.108451. Epub 2021 Feb 1. PMID: 33539864.

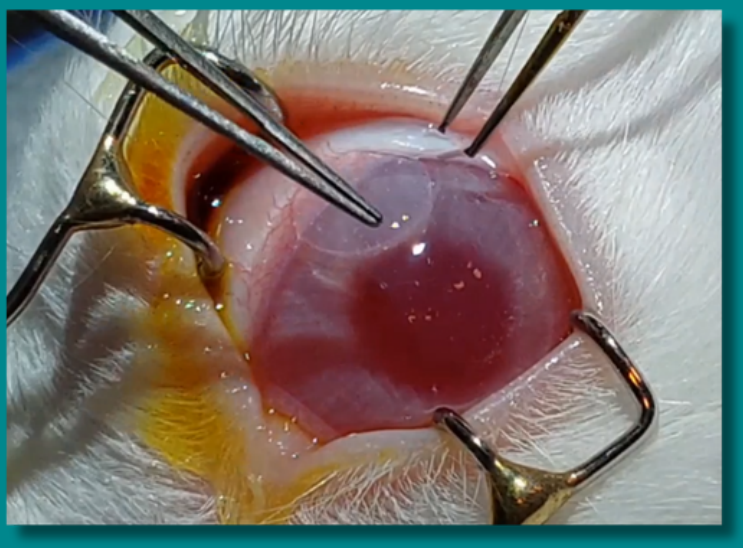
6. Fallah Tafti M, Aghamollaei H, Moosazadeh Moghaddam M, Jadidi K, Faghihi S. An inspired microenvironment of cell replicas to induce stem cells into keratocyte-like dendritic cells for corneal regeneration. Sci Rep. 2023 Sep 11;13(1):15012. doi: 10.1038/s41598-023-42359-9. PMID: 37696883; PMCID: PMC10495344.

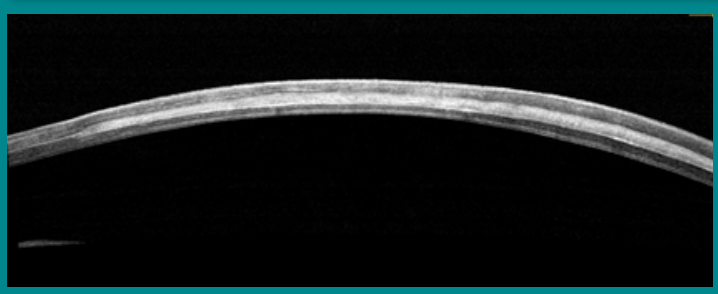
7. Ghiasi M, Hashemi M, Salimi A, Jadidi K, Tavallaie M, Aghamollaei H. Combination of natural scaffolds and conditional medium to induce the differentiation of adipose-derived mesenchymal stem cells into keratocyte-like cells and its safety evaluation in the animal cornea. Tissue Cell. 2023 Jun;82:102117. doi: 10.1016/j.tice.2023.102117. Epub 2023 May 20. PMID: 37267821.

In another study, the stability and safety of the human amniotic membrane in the rabbit corneal stroma was investigated and the results showed that the amniotic membrane was stable in the corneal stroma for more than 9 months and did not cause any side effects.

Also, the differentiation of stem cells into keratocytes was performed using factors present in the keratocyte culture medium. And the transplantation of these cells into the rabbit cornea showed the effectiveness of this method. In the study that was recently conducted in this center, a novel physical differentiation method was used to differentiate stem cells into keratocytes.

The other studies also include implanting ostrich decellularized cornea in the rabbit stroma and evaluating it as a cell carrier.
In addition to the mentioned cases, the process of conducting animal studies in this center has been optimized and implemented and now various centers use our facilities to conduct animal studies.





Some of Our Articles

1. Daryabari SH, Mosavi SA, Moghtaderi M. Cytomegalovirus keratitis in acute myeloblastic leukemia. Oman J Ophthalmol. 2023 Jun 27;16(2):370-372. doi: 10.4103/ojo.ojo_307_21.

2. Shahriary A, Sabzevari M, Jadidi K, Yazdani F, Aghamollaei H. The Role of Inflammatory Cytokines in Neovascularization of Chemical Ocular Injury. Ocul Immunol Inflamm. 2022 Jul;30(5):1149-1161.

3. Tafti MF, Aghamollaei H, Moghaddam MM, Jadidi K, Alio JL, Faghihi S. Emerging tissue engineering strategies for the corneal regeneration. J Tissue Eng Regen Med. 2022 Aug;16(8):683-706.

4. Ghiasi M, Jadidi K, Hashemi M, Zare H, Salimi A, Aghamollaei H. Application of mesenchymal stem cells in corneal regeneration. Tissue Cell. 2021 Dec;73:101600.

5. Nejat F, Jadidi K, Eghtedari S, Nabavi NS. Sublimation of Benign Conjunctival Nevi Using Plasma-Assisted Noninvasive Surgery: A Clinical Case Series. Iran J Med Sci. 2023 Jan;48(1):85-90.

6. Jadidi K, Naderi M, Mosavi SA, Nejat F, Aghamolaei H, Serahati S. Pre-operative factors influencing post-operative outcomes from MyoRing implantation in keratoconus. Clin Exp Optom. 2019 Jul;102(4):394-398.

7. Alishiri A, Jadidi K, Mosavi SA, Torabi H. Intravitreal bevacizumab administration for the treatment of chronic central serous chorioretinopathy. J Curr Ophthalmol. 2019 Jul 17;31(4):406-410.

8. Aghamollaei H, Nejat F, Jadidi K. Evaluating the Effectiveness of Education in Improving Public Knowledge and Awareness of Glaucoma. J Ophthalmic Vis Res. 2019 Jan-Mar;14(1):121-122.

9. Jadidi K, Mosavi SA. Keratoconus treatment using femtosecond-assisted intrastromal corneal graft (FAISCG) surgery: a case series. Int Med Case Rep J. 2018 Jan 23;11:9-15.

10. Daryabari SH, Aghamollaei H, Asadi Amoli F, Jadidi K, Tebyanian H. Histopathology Study of Patients with Delayed Mustard Gas Keratopathy 30 Years After Exposure. Iran J Pathol. 2022 Summer;17(3):354-359.

11. Aghamollaei H, Hashemi H, Fallahtafti M, Daryabari SH, Khabazkhoob M, Jadidi K. Applications of SMILE-extracted lenticules in ophthalmology. Int J Ophthalmol. 2024 Jan 18;17(1):173-187. doi: 10.18240/ijo.2024.01.23.

12. Pirhadi S, Adnani SY, Jadidi K. Unusual presentation of corneal laceration in a post-LASIK eye following blunt trauma. Am J Ophthalmol Case Rep. 2022 Feb 10;26:101419.

13. Pirhadi S, Maghooli K, Jadidi K. An innovative approach for determining the customized refractive index of ectatic corneas in cataractous patients. Sci Rep. 2020 Oct 7;10(1):16681.

14. Nejat F, Pirhadi S, Aghamollaei H, Naderi M, Ghodsi MN, Gharebaghi R, Jadidi K. Visual and subjective outcomes following trifocal intraocular lens implantation in Iranian cataractous patients. Oman J Ophthalmol. 2020 May 28;13(2):63-69.

15. Nejat F, Jadidi K, Aghamollaei H, Nejat MA, Nabavi NS, Eghtedari S. The assessment of the concentration of candidate cytokines in response to conjunctival-exposure of atmospheric low-temperature plasma in an animal model. BMC Ophthalmol. 2021 Dec 4;21(1):417.

16. Alishiri A, Mosavi SA. Ascorbic acid versus placebo in postoperative lid edema postphotorefractive keratectomy: A double-masked, randomized, prospective study. Oman J Ophthalmol. 2019 Jan-Apr;12(1):4-9.

17: Heidari H, Momeni-Moghaddam H, Jadidi K, Pirhadi S, Moshirfar M. Changes in Stress-Strain Index and Corneal Biomechanics in Granular Corneal Dystrophy. J Clin Med. 2022 Nov 5;11(21):6571.

18. Daryabari SH, Jadidi K, Mosavi SA, Naderi M. Comparison of the effect of removing bandage contact lens on the days 3 and 5 following photorefractive keratectomy. Int Ophthalmol. 2022 Feb;42(2):575-580.

19. Fallah Tafti M, Aghamollaei H, Moosazadeh Moghaddam M, Jadidi K, Faghihi S. An inspired microenvironment of cell replicas to induce stem cells into keratocyte-like dendritic cells for corneal regeneration. Sci Rep. 2023 Sep 11;13(1):15012.
20. Daneshvar R, Karimi F, Golami F, Mosavi SA, Khorrami-Nejad M. Long-term comparison of the outcomes of Ahmed Glaucoma Valve surgery between glaucoma surgeons and cornea trained surgeons. Int Ophthalmol. 2022 Apr;42(4):1183-1191.
21. Nejat F, Jadidi K, Amoli FA, Bagheri S, Aghamollaei H, Nejat MA, Nabavi NS, Eghtedari S. Safety evaluation of the atmospheric low-temperature plasma (ALTP) on the conjunctiva: an animal study and histopathological findings; 6-month follow-up. BMC Ophthalmol. 2021 Sep 13;21(1):333.
22. Nejat F, Jadidi K, Pirhadi S, Adnani SY, Nabavi NS, Nejat MA. A Novel Approach to Treatment of Conjunctival Cyst Ablation Using Atmospheric Low- Temperature Plasma. Clin Ophthalmol. 2020 Aug 26;14:2525-2532.
23. Jadidi K, Mosavi SA, Nejat F, Aghamolaei H, Pirhadi S. Innovative intra- corneal ring-supported graft surgery for treatment of keratoconus and cornea regeneration: Surgical technique and case report. Indian J Ophthalmol. 2022 Sep;70(9):3412-3415.
24. Ghiasi M, Hashemi M, Salimi A, Jadidi K, Tavallaie M, Aghamollaei H. Combination of natural scaffolds and conditional medium to induce the differentiation of adipose-derived mesenchymal stem cells into keratocyte-like cells and its safety evaluation in the animal cornea. Tissue Cell. 2023 Jun;82:102117.
25. Panahi Y, Roozbahani M, Pirhadi S, Aghamollaei H, Nejat F, Naderi M, Serahati S, Jadidi K, Sathyapalan T, Jamialahmadi T, Sahebkar A. Safety and Efficacy of Oral Supplementation of Lentil (Lens culinaris Medic) in Dry Eye Patients. Adv Exp Med Biol. 2021;1328:377-384.
26. Jadidi K, Mosavi SA, Nejat F, Mohammadi N, Aghamolaei H, Daryabari SH, Torabi H, Alishiri A. Use of low-vault posterior chamber collagen copolymer phakic intraocular lenses for the correction of myopia: a 3-year follow-up. Graefes Arch Clin Exp Ophthalmol. 2019 Jul;257(7):1555-1560.
27. Nejat F, Aghamollaei H, Pirhadi S, Jadidi K, Nejat MA. Simultaneous Presence of Macular Corneal Dystrophy and Retinitis Pigmentosa in Three Members of a Family. Iran J Med Sci. 2018 Mar;43(2):227-230.
28. Shayan Asl N, Nejat F, Mohammadi P, Nekoukar A, Hesam S, Ebrahimi M, Jadidi K. Amniotic Membrane Extract Eye Drop Promotes Limbal Stem Cell Proliferation and Corneal Epithelium Healing. Cell J. 2019 Jan;20(4):459-468.
29. Karimi A, Meimani N, Razaghi R, Rahmati SM, Jadidi K, Rostami M. Biomechanics of the Healthy and Keratoconic Corneas: A Combination of the Clinical Data, Finite Element Analysis, and Artificial Neural Network. Curr Pharm Des. 2018;24(37):4474-4483.
30. Jadidi K, Mohazzab-Torabi S, Pirhadi S, Naderi M, Yekta A, Sardari S, Khabazkhoob M. A Study of Corneal Biomechanics in Delayed-Onset Mustard Gas Keratopathy Compared to Cases With Corneal Scarring and Normal Corneas. Eye Contact Lens. 2019 Mar;45(2):112-116.
31. Nejat F, Sarahati S, Nobari SM, Jadidi K, Naderi M, Nejat MA. Preliminary Results of Femtosecond Laser-assisted Cataract Surgery in a Private Clinic in Iran. J Ophthalmic Vis Res. 2017 Jan-Mar;12(1):39-43.
32. Jadidi K, Aghamollaei H. Comment on "Role of corneal collagen fibrils in corneal disorders and related pathological conditions". Int J Ophthalmol. 2019 Jun 18;12(6):1056. doi: 10.18240/ijo.2019.06.30.
33. Pirhadi S, Mohammadi N, Mosavi SA, Daryabari H, Aghamollaei H, Jadidi K. Comparison of the MyoRing implantation depth by mechanical dissection using PocketMaker microkeratome versus Melles hook via AS-OCT. BMC Ophthalmol. 2018 Jun 7;18(1):137.
34. Bagheri N, Kadkhodaei M, Pirhadi S, Mosaddegh P. Effects of intracorneal ring segments implementation technique and design on corneal biomechanics and keratometry in a personalized computational analysis. Scientific Reports. 2021 11(1): 1-24.

Achievements and Awards

- Selected Photo at the 26th Annual Film and Photography Congress of the Iranian Society of Ophthalmology (2015)
- Best Surgical Method Award at the 9th Iranian Eye Festival (2016)
- Best Article Award at the 11th Iranian Eye Festival (2018)
- Best Scholar Award at the 11th Iranian Eye Festival (2018)
- Two Selected Photos at the 29th Annual Film and Photography Congress of the Iranian Society of Ophthalmology (2018)
- Best Book Chapter Award at the 12th Iranian Eye Festival (2019)
- Best Scholar Award at the 12th Iranian Eye Festival (2019)
- Best Idea Award in Ophthalmology at the 14th Iranian Eye Festival (2021)
- Best Ophthalmic Surgical Method Award at the 14th Iranian Eye Festival (2021)
- Best Speaker at the 11th Annual Meeting of the Iranian Research (2022)
- Two Selected Photos at 32th the Annual Film and Photography Congress of the Iranian Society of Ophthalmology (2023)
- Best Film at the 32th Annual Film and Photography Congress of the Iranian Society of Ophthalmology (2023)
- Best Video Presentation at the 17th International Congress of The Middle East Africa Council of Ophthalmology and 19th Muscat International Ophthalmology Congress (MEACO-MIOC) Congress (2023)

سلامت بینایی
VISION HEALTH

Contact Us

Join us on our journey as we continue to push the boundaries of vision health research, striving for a future where cutting-edge advancements in technology and understanding pave the way for improved vision care for all.

Phone
+98-2188196862
+98-2188196871

Mail
vhrc@semums.ac.ir
Khosrow.jadidi@yahoo.com

Website
https://visionhealth.ir

Address
5th Floor, No. 8, 2nd alley, in front of Day Hospital,
Valiasr St.,Tehran, Iran