

Assoc. Prof. SEMRA AKKAYA TURHAN

Personal Information

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International Researcher IDs

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Education Information

Expertise In Medicine, Marmara University, School of Medicine, Surgical Medical Sciences, Turkey 2010 - 2014

Undergraduate, Marmara University, School of Medicine, Turkey 2002 - 2009

Dissertations

Expertise In Medicine, Katarakt ameliyatlarında uygulanan iki farklı difraktif tipteki multifokal göz içi lenslerin klinik etkinliklerinin değerlendirilmesi ve karşılaştırılması, Marmara University, School Of Medicine, Surgical Medical Sciences, 2014

Research Areas

Surgery Medicine Sciences

Academic Titles / Tasks

Associate Professor, Marmara University, School of Medicine, Surgical Medical Sciences, 2020 - Continues

Courses

Disease of the Lens, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Disease of the Conjunctiva, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Disease of the Cornea, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Diseases of the Lens, Undergraduate, 2019 - 2020

Disease of the Conjunctiva, Undergraduate, 2019 - 2020

Disease of the Cornea, Undergraduate, 2019 - 2020

Myopi Progresyon Kontrolü, Expertise In Medicine, 2018 - 2019

Kontakt lens muayenesi, Expertise In Medicine, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. A comparison of conventional and accelerated corneal crosslinking: corneal epithelial remodeling

and in vivo confocal microscopy analysis

Hacığaoğlu S., AKKAYA TURHAN S., Toker E.

International Ophthalmology, vol.44, no.1, 2024 (SCI-Expanded)

- II. **Skin-Only Versus Skin-Plus-Orbicularis Resection Blepharoplasty: An Elaborated Analysis of Early- and Long-Term Effects on Corneal Nerves, Meibomian Glands, Dry Eye Parameters, and Eyebrow Position**
DERİCİOĞLU V., ŞAN B., SEVİK M. O., AKKAYA TURHAN S.
Ophthalmic Plastic and Reconstructive Surgery, vol.39, no.5, pp.479-486, 2023 (SCI-Expanded)
- III. **Corneal nerve fiber involvement in chronic inflammatory demyelinating polyneuropathy**
KESKİNER ÖZTÜRK E., AKKAYA TURHAN S., Toker E., Uluc K., Alibas H., Tanridag T., Kahraman-Koytak P.
NEUROLOGICAL SCIENCES, vol.44, no.7, pp.2509-2516, 2023 (SCI-Expanded)
- IV. **In Vivo Corneal Confocal Microscopy in Multiple Sclerosis: Can it Differentiate Disease Relapse in Multiple Sclerosis?**
DERİCİOĞLU V., AKKAYA TURHAN S., Erdem H. E., SEVİK M. O., ERDİL E., SÜNTER G., AĞAN YILDIRIM K., Toker E.
AMERICAN JOURNAL OF OPHTHALMOLOGY, vol.250, pp.138-148, 2023 (SCI-Expanded)
- V. **Does Central Fat Distribution Reduction After Bariatric Surgery Induce Ocular Refraction Change Independent of Body Mass Index?**
Gulkas S., Elkan H., AKKAYA TURHAN S.
OBESITY SURGERY, vol.32, no.12, pp.4033-4039, 2022 (SCI-Expanded)
- VI. **Clinical outcomes with a low add multifocal and an extended depth of focus intraocular lenses both implanted with mini-monovision.**
Sevik M. O., Akkaya Turhan S., Toker E.
Eye (London, England), vol.36, no.6, pp.1168-1177, 2022 (SCI-Expanded)
- VII. **Corneal Sensation and Nerve Fiber Changes in Patients With Interstitial Cystitis**
AYKUT V., Ucar I. C., AKKAYA TURHAN S., Ucar T., DURMUŞ E., OĞUZ H., ESEN F., Erol B.
CORNEA, vol.41, no.6, pp.729-733, 2022 (SCI-Expanded)
- VIII. **Daily Disposable Contact Lens use in Adolescents and its Short-term Impact on Self-Concept.**
Yigit D. D., Turhan S., Toker E.
Contact lens & anterior eye : the journal of the British Contact Lens Association, vol.44, no.5, pp.101389, 2021 (SCI-Expanded)
- IX. **Corneal neuropathic pain in irritable bowel syndrome: clinical findings and in vivo corneal confocal microscopy**
Ucar I. c., Esen F., AKKAYA TURHAN S., Oguz H., Ulasoglu H. C., Aykut V.
GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, vol.259, no.10, pp.3011-3017, 2021 (SCI-Expanded)
- X. **Psychiatric morbidity of patients with keratoconus: A cross-sectional study.**
YILDIZ M., Turhan S., YARGI B., Ergün S., Örnek E., Baz F., TOKER A. E.
Journal of psychosomatic research, vol.143, pp.110384, 2021 (SCI-Expanded)
- XI. **Early detection of neuropathy in patients with type 2 diabetes with or without microalbuminuria in the absence of peripheral neuropathy and retinopathy**
Celiker H., Ereku G., Turhan S., Kokar S., Yavuz D., Gunduz O. H., Tavakoli M., Toker E.
JOURNAL FRANCAIS D OPHTALMOLOGIE, vol.44, no.4, pp.485-493, 2021 (SCI-Expanded)
- XII. **Comparison of reading performance with low add bifocal and extended depth of focus intraocular lenses implanted with mini-monovision.**
Turhan S., Sevik M. O., Toker E.
International ophthalmology, vol.41, pp.315-323, 2021 (SCI-Expanded)
- XIII. **High Molecular Weight Hyaluronan Promotes Corneal Nerve Growth in Severe Dry Eyes**
Van Setten G., Stachs O., Dupas B., AKKAYA TURHAN S., Seitz B., Reitsamer H., Winter K., Horwath-Winter J., Guthoff R. F., Mueller-Lierheim W. G. K.
JOURNAL OF CLINICAL MEDICINE, vol.9, no.12, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Neuropsychological and clinical correlations of optical coherence tomography findings in patients with schizophrenia**
Sakallı Kani A., Şahin Çam C., Çelik E. B., Dural Şenoğuz U., Duran M., Akkaya Turhan S., Toker A. E., Yıldız M.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.13, no.13, pp.739-747, 2023 (ESCI)
- II. **Herpetik stromal keratit olarak yanlış tanı konmuş ön kamara açısında göz içi yabancı cisim olgusu**
Intraocular foreign body in the anterior chamber angle misdiagnosed as herpetic stromal keratitis
Haidar H., Biberoğlu Çelik E., AKKAYA TURHAN S.
Ulusal travma ve acil cerrahi dergisi = Turkish journal of trauma & emergency surgery : TJTES, vol.29, no.7, pp.830-833, 2023 (Scopus)

Books & Book Chapters

- I. **Skleral Kontakt Lensler**
AKKAYA TURHAN S., TOKER E.
in: Temel Göz Hastalıkları, Aydın O'dwyer Pınar, Aydın Akova Yonca, Editor, Güneş Tıp Kitabevleri, pp.371-379, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Near Visual Acuity and Reading Performance with Low Add Bifocal and Extended-Depth-of-Focus Intraocular Lenses Implanted with Minimonovision**
SEVİK M., AKKAYA TURHAN S., TOKER E.
37th Congress of the ESCRS-Paris, 14 - 18 September 2019
- II. **Corneal Confocal Microscopy for Assessment of Corneal Nerve Morphology in Patients with Acquired and Hereditary Demyelinating Polyneuropathy**
AKKAYA TURHAN S., KESKİNER ÖZTÜRK E., KAHRAMAN KOYTAK P., ULUÇ K., ALİBAŞ H., TANRIDAĞ T., TOKER E.
37th Congress of the ESCRS-Paris, 14 - 18 September 2019
- III. **Farklı Epitel Kazıma Teknikleri Kullanılarak Uygulanan Korneal Kollajen Çapraz Bağlama Tedavisi Sonrası Yara İyileşmesinin Karşılaştırılması: Epikeratom ve Künt Spatula**
ÇAM F., AKKAYA TURHAN S., YARGI B., TOKER E.
TOD 52. Ulusal Kongresi-Antalya, Turkey, 13 - 18 November 2018
- IV. **Korneal Kollajen Çapraz Bağlama Tedavisi Sonrası Görülen Herpetik Korneal Endotelit: Olgu Sunumu**
HACIĞAĞOĞLU S., AKKAYA TURHAN S., TÜKENMEZ DİKMEN N., ULAŞ M. G.
TOD 52. Ulusal Kongresi-Antalya, Turkey, 13 - 18 November 2018
- V. **The Level of Depression and Anxiety in Patients with Keratoconus**
AKKAYA TURHAN S., YARGI B., TOKER E., YILDIZ M., BAZ F., ÖRNEK E.
36th Congress of the ESCRS-Vienna, 22 - 26 September 2018
- VI. **Efficacy of Conventional versus Accelerated Corneal Collagen Cross-Linking in Pediatric Keratoconus: 2-Year Outcomes**
AKKAYA TURHAN S., TOKER E., YARGI B.
48th ECLSO Congress-France, 14 - 15 September 2018
- VII. **The Impact of Changes in Optical Density of the Postlens Fluid on Clinical Performance of Mini-Scleral Lenses**
DİZDAR YİĞİT D., AKKAYA TURHAN S., TOKER E.
48th ECLSO Congress-France, 14 - 15 September 2018
- VIII. **The Impact of Keratoconus on Vision Related Quality of Life: NEI Refractive Error Quality of Life Instrument-42**

AKKAYA TURHAN S., YARGI B., TOKER E.

48th ECLSO Congress-France, 14 - 15 September 2018

- IX. Isotonic Riboflavin Solution with HPMC in Thin Corneas: Intraoperative Pachymetric Changes and Long-Term Efficacy**
AKKAYA TURHAN S., YARGI B., TOKER E.
48th ECLSO Congress-France, 14 - 15 September 2018
- X. Contact Lens Assisted Collagen Cross-Linking for Thin Keratoconic Cornea**
TOKER E., AKKAYA TURHAN S., YARGI B.
Joint Meeting 2017 24th MCLOSA Annual Meeting and 47th ECLSO Congress-United Kingdom, 1 - 02 December 2017
- XI. Agreement of Manual Analysis and Automatic Analysis Programs in the Evaluation of Corneal Nerve Morphology by In Vivo Corneal Confocal Microscopy in Patients with Diabetes**
AKKAYA TURHAN S., AYDIN F. O., TOKER E.
Joint Meeting 2017 24th MCLOSA Annual Meeting and 47th ECLSO Congress-United Kingdom, 1 - 02 December 2017
- XII. Corneal Confocal Microscopy for Assessment of Corneal Nerve Morphology in Patients with Obesity**
AYDIN F. O., AKKAYA TURHAN S., TOKER E.
Joint Meeting 2017 24th MCLOSA Annual Meeting and 47th ECLSO Congress-United Kingdom, 1 - 02 December 2017
- XIII. Long-Term Results of Accelerated Corneal Collagen Crosslinking (A-CXL) in Pediatric Keratoconus**
TOKER E., AKKAYA TURHAN S., YARGI B.
American Academy of Ophthalmology (AAO) Annual Meeting-New Orleans, 11 - 14 November 2017
- XIV. Pediatrik Keratokonus Olgularında Konvansiyonel ve Hızlandırılmış Korneal Kollajen Çapraz Bağlama (CXL) Tedavisinin Etkinliği: 1 Yıllık Sonuçlar**
YARGI B., AKKAYA TURHAN S., TOKER E.
TOD 51. Ulusal Kongresi-Antalya, Turkey, 24 - 29 October 2017
- XV. Takrolimus ile İndüklenen Bilateral Optik Nöropati: Olgu Sunumu**
YARGI B., AKKAYA TURHAN S., ERASLAN M.
TOD 51. Ulusal Kongresi-Antalya, Turkey, 24 - 29 October 2017
- XVI. İlerleyici Keratokonus Olgularında Tekrarlanan Korneal Kollajen Çapraz Bağlama (CXL) Tedavisinin Klinik Sonuçları**
AYDIN F. O., AKKAYA TURHAN S., TOKER E.
TOD 51. Ulusal Kongresi-Antalya, Turkey, 24 - 29 October 2017
- XVII. Comparison of Corneal Neuropathy in Patients with Type 2 Diabetes with or without Microalbuminuria**
TOKER E., EREKUL G., AKKAYA TURHAN S.
2017 ASCRS/ASOA Annual Meeting-Los Angeles, 5 - 09 May 2017
- XVIII. İlerleyici Keratokonus Hastalarında Farklı Hızlandırılmış Korneal Kollajen Çapraz Bağlama Protokollerinin Etkinliği**
SÜMMEN S., ÇERMAN E., AKKAYA TURHAN S., TOKER E.
TOD 50. Ulusal Kongresi-Antalya, Turkey, 9 - 13 November 2016
- XIX. HPMC İçeren İzotonik Riboflavin ile Yapılan Hızlandırılmış Korneal Kollajen Çapraz Bağlama Tedavisi Sırasında Spekulum Çıkarılan veya Çıkarılmayan Olgularda İntraoperatif Korneal Kalınlık Değişimlerinin İncelenmesi**
AYDIN F. O., AKKAYA TURHAN S., TOKER E.
TOD 50. Ulusal Kongresi-Antalya, Turkey, 9 - 13 November 2016
- XX. Changes in Corneal Density After Accelerated Corneal Collagen Crosslinking (A-CXL) with Different Irradiation Intensities and Energy Exposures: 1-Year Follow-Up**
TOKER E., TURHAN S.
AAO 2016 Annual Meeting in Conjunction with APAO-Chicago, 15 - 18 October 2016
- XXI. Evaluation of Corneal Epithelial Thickness and Corneal Morphological Changes Induced by the Use**

of Daily Disposable Contact Lenses

AKKAYA TURHAN S., DİZDAR YİĞİT D., TOKER E.

46th ECLSO Congress-Paris, 30 September - 01 October 2016

- XXII. **Topical Treatment of Persistent Epithelial Defects with A Matix Regenerating Agent**
SEVİK M. O., AKKAYA TURHAN S., TOKER E.
46th ECLSO Congress-Paris, 30 September - 01 October 2016
- XXIII. **Accelerated Corneal Collagen Crosslinking for the Treatment of Progressive Keratoconus: 2-Year Outcomes**
AKKAYA TURHAN S., DİZDAR YİĞİT D., TOKER E.
46th ECLSO Congress-Paris, 30 September - 01 October 2016
- XXIV. **Vision-Related Quality of Life and Clinical Performance of A New Hybrid Contact Lens for Keratoconus**
DİZDAR YİĞİT D., AKKAYA TURHAN S., TOKER E.
46th ECLSO Congress-Paris, 30 September - 01 October 2016
- XXV. **Evaluation of Contrast Sensitivity and Quality of Life After Implantation of 2 Multifocal Intraocular Lens Models**
AKKAYA TURHAN S., TOKER E.
XXXIV Congress of the ESCRS-Copenhagen, 10 - 14 September 2016
- XXVI. **Development of New Retinal Vein Occlusion and Macular Edema in An Already Dexamethasone Depot Implanted Eye**
AKKAYA TURHAN S., ÇEKİÇ O.
16th ESASO Retina Academy-Portugal, 23 - 25 June 2016
- XXVII. **Migrende Akomodasyon Yetersizliği**
ÇERMAN E., AKKAYA TURHAN S., ERASLAN M., KAHRAMAN KOYTAK P., KILINÇ Ö., TANRIDAĞ T.
TOD 49. Ulusal Kongresi-İstanbul, Turkey, 4 - 08 November 2015
- XXVIII. **Evaluation of Vitreomacular Adhesion As A Prognostic Factor for the Response to Single Injection of Intravitreal Dexamethasone Implant**
ÇEKİÇ O., AKKAYA TURHAN S.
15th ESASO Retina Academy-Barcelona, 22 - 24 October 2015
- XXIX. **Does Sustained-Release Dexamethasone Intravitreal Implant Induce Anisocoria?**
ÇEKİÇ O., AKKAYA TURHAN S.
15th ESASO Retina Academy-Barcelona, 22 - 24 October 2015
- XXX. **Prediction of Visual Acuity by Tracking of Hyperreflective Foci After Slow-Release Dexamethasone Intravitreal Implant for Macular Edema and BRVO**
ÇEKİÇ O., AKKAYA TURHAN S.
15th ESASO Retina Academy-Barcelona, 22 - 24 October 2015
- XXXI. **Postoperative Evaluation of Bilateral Reading Performance with Two Intraocular Lenses: Twelve Month Results Purpose**
AKKAYA TURHAN S., TOKER E.
19th ESCRS Winter Meeting-Istanbul, 20 - 22 February 2015
- XXXII. **Methodological Limitations in Published Multifocal Intraocular Lens Randomized Controlled Trials**
ESEN F., KÜÇÜKKÖMÜRÇÜ E., ER A., AKKAYA TURHAN S., TOKER E.
19th ESCRS Winter Meeting-Istanbul, 20 - 22 February 2015
- XXXIII. **Measurement of Lens Density Using Scheimpflug Imaging System and LOCS III System After Intravitreal Dexamethasone Implantation**
ÇEKİÇ O., AKKAYA TURHAN S.
19th ESCRS Winter Meeting-Istanbul, 20 - 22 February 2015
- XXXIV. **Objective Assessment of Anterior Segment Measurements with Optical Low-Coherence Reflectometry and Scheimpflug Analysis Following Intravitreal Injection of Dexamethasone Implant**
AKKAYA TURHAN S., ÇEKİÇ O.
19th ESCRS Winter Meeting-Istanbul, 20 - 22 February 2015

- XXXV. **Clinical Results of A Single Dose Intravitreal Injection of Dexamethasone Implant for Macular Edema Secondary to BRVO**
AKKAYA TURHAN S., ÇEKİÇ O.
7th Mediterretina Club International Meeting-Istanbul, 17 - 20 April 2014
- XXXVI. **Alterations of Ocular Dimensions Following Intravitreal Dexamethasone Implant Injection for Branch Retinal Vein Occlusion with Macular Edema**
ÇEKİÇ O., AKKAYA TURHAN S.
7th Mediterretina Club International Meeting-Istanbul, 17 - 20 April 2014
- XXXVII. **Keratokonusta Kollajen Cross-Link Tedavisi Sonrası Periferik Steril İnfiltratların Konfokal Mikroskopi ve Ön Segment Optik Koherens Tomografi Bulguları**
TOKER E., ÖZARSLAN ÖZCAN D., AKKAYA TURHAN S.
TOD 47. Ulusal Kongresi-Antalya, Turkey, 6 - 10 November 2013
- XXXVIII. **Ön Kamarada Ozurdex İmplantı**
ŞAHİN Ö., AKKAYA TURHAN S., ÇELİKER H., ÇERMAN E., ERASLAN M.
TOD 47. Ulusal Kongresi-Antalya, Turkey, 6 - 10 November 2013
- XXXIX. **Use of A Mini Scleral Contact Lens in Patients with Keratoconus**
AKKAYA TURHAN S., ÖZARSLAN Ö. D., TOKER E.
43rd ECLSO Congress-Munich, 25 - 26 October 2013
- XL. **The Effect of Topical Cyclosporine Treatment on Tear Meniscus Variables in Patients with Dry Eye**
AKKAYA TURHAN S., TOKER E.
43rd ECLSO Congress-Munich, 25 - 26 October 2013
- XLI. **Clinical Outcomes Comparison of Unilateral versus Bilateral Diffractive Multifocal Intraocular Lenses After Cataract Extraction**
AKKAYA TURHAN S., TOKER E.
XXXI Congress of the ESCRS-Amsterdam, 5 - 09 October 2013
- XLII. **Efficacy of Intravitreal Bevacizumab with or without Intravitreal Triamcinolone tor Treatment of Uveitic Macular Edema**
TAKA AYDIN Ü., ÖZARSLAN ÖZCAN D., AKKAYA TURHAN S., KAZOKOĞLU H.
SOE 2013 Congress of the European Society of Ophthalmology-Denmark, 8 - 11 June 2013
- XLIII. **Confocal Microscopy Characteristics of Keratic Precipitates and Endothelial Features in Fuchs' Heterochromic Iridocyclitis**
AKKAYA TURHAN S., TAKA AYDIN Ü., KAZOKOĞLU M. H., TOKER E.
SOE 2013 Congress of the European Society of Ophthalmology-Denmark, 8 - 11 June 2013
- XLIV. **X'e Bağlı Juvenil Retinoskizisli Bir Olguda Dorzolamide Tedavisi**
AKKAYA TURHAN S., KAZOKOĞLU M. H.
TOD 46. Ulusal Kongresi-Antalya, Turkey, 17 - 21 October 2012
- XLV. **Comparison of Immersion Ultrasound Biometry and Optical Low-Coherence Reflectometry on Intraocular Lens Power Calculation**
AKKAYA TURHAN S., TOKER E.
2012 ASCRS/ASOA Annual Meeting-Chicago, 20 - 24 April 2012
- XLVI. **Incipient Nonarteritic Anterior Ischemic Optic Neuropathy**
AKKAYA TURHAN S., KAZOKOĞLU M. H.
3rd World Congress on Controversies in Ophthalmology-Istanbul, 22 - 25 March 2012
- XLVII. **Kawasaki Syndrome Presenting with Orbital Cellulitis**
ÇERMAN E., AKKAYA TURHAN S.
3rd World Congress on Controversies in Ophthalmology-Istanbul, 22 - 25 March 2012
- XLVIII. **Göz İçi Lens Gücünün Hesaplamasında Optik Düşük-Koherans Reflektometri ve İmmersiyon Ultrasonik Biometri Ölçümlerinin Karşılaştırılması**
AKKAYA TURHAN S., TOKER E.
TOD 45. Ulusal Kongresi-KKTC, Cyprus (Kkct), 5 - 09 October 2011
- XLIX. **Optical Coherence Tomography to Evaluate the Edge Fitting and the Interaction with the Ocular**

Surface of Silicone Hydrogel Lenses with Different Edge Designs

AKKAYA TURHAN S., TOKER E.

41st ECLSO Congress-Istanbul, 9 - 11 September 2011

Supported Projects

Ekren N., Akkaya Turhan S., Bingöl Özakpınar Ö., Üstündağ C. B., Çam M. E., Şengör M., Tmaz G., Ulusoy S., Yazır Y., Gündüz O., FP7 Project, Kornea perforasyonu kaynaklı ikincil kornea enfeksiyonlarının Tedavisi için çok tabakalı yamaların tasarımı ve üretilmesi, 2021 - 2024

Memberships / Tasks in Scientific Organizations

Kornea ve Oküler Yüzey, Member, 2019 - Continues, Turkey

Kontakt lens , Member, 2019 - Continues, Turkey

Türk Oftalmoloji Derneği, Member, 2010 - Continues, Turkey

Metrics

Publication: 88

Citation (WoS): 78

Citation (Scopus): 91

H-Index (WoS): 5

H-Index (Scopus): 6

Congress and Symposium Activities

10. Uluslararası Kozmetik Kongresi, Invited Speaker, Antalya, Turkey, 2020

TOD 53. Ulusal Kongre, Invited Speaker, Antalya, Turkey, 2019

Non Academic Experience

Marmara Üniversitesi Pendik Eğitim ve Araştırma Hastanesi

Institut de Microcirurgia Ocular (IMO), Barcelona

Viranşehir Devlet Hastanesi

Marmara Üniversitesi Tıp Fakültesi Göz Hastalıkları Anabilim Dalı

Antwerp University Hospital Department of Ophthalmology, Belgium

Kartal Nergis Sağlık Ocağı