

ISSN 2757-8135



EUROPEAN
EYE
RESEARCH

Vol. 3/No 1/ April 2023

www.europeaneyeresearch.com

1935'DEN BERİ...



1935

SIFI, Sicilya'da oftalmoloji firması olarak kuruldu.



1949

İlk antienfektif göz pomadı olan Pensulvit pazara verildi.



1989

Dünyanın hiyalüronik asit içeren ilk göz damlası Hyalistil pazara verildi.



1993

Göze spesifik ilk besin takviyesi Adrusen pazara verildi.



2002

Distribütör ile Türkiye pazarına giriş yapıldı.



2008

Sicilya'da göz içi lens üretimine başlandı.



2019

Avrupa'ya açılım stratejisi çerçevesinde SIFI markası ile SIFI ilaç kuruldu.

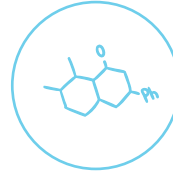
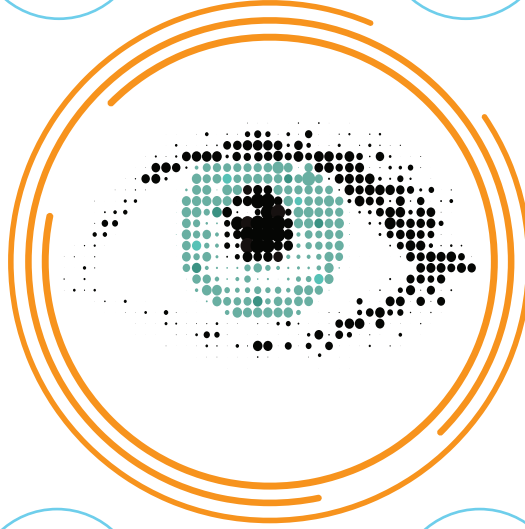


Oftifen

%0.025 Ketotifen



TÜRKİYE'nin İLK ve TEK
KORUYUCUSUZ KETOTİFEN
İÇEREN FLAKONU¹



42 Maslak Ahi Evran Cad. No:6 Ofis1 Kat: 4 No:2 34398 Maslak – Sarıyer / İstanbul
T +90 (212) 347 75 12 / 13 • F +90 (212) 272 07 17 • Referans: 1- Oftifen KÜB, Rx Media

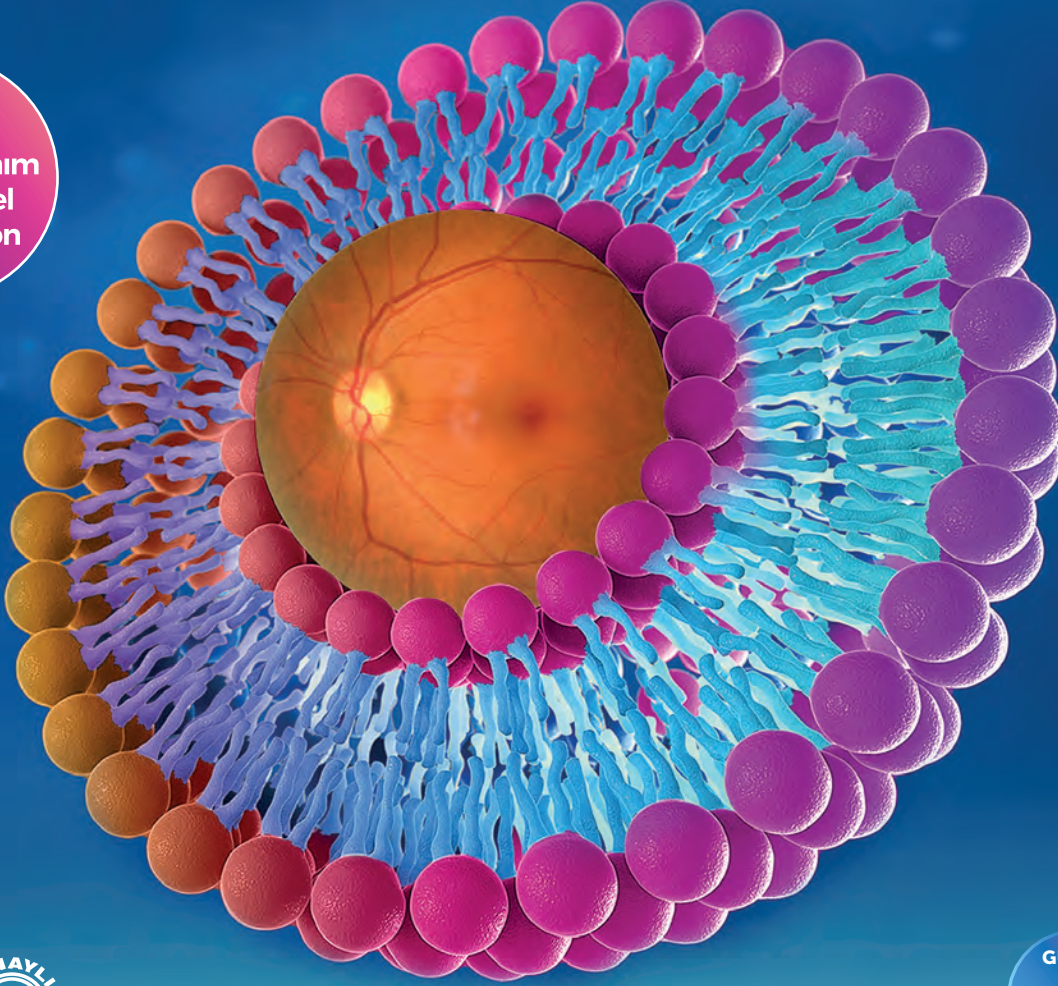


Multi-Lipozomal etki

Gözünüzden Kaçmayın

Tek Kapsülle Hücre İçerisine
Multi-Lipozomal Yolculuk.

Artırılmış
Biyoyararlanım
ve Hücrel
Restorasyon



KEYMEN
İLAÇ SANAYİ
> www.keymenrx.com

LİPOFTA L Lipozomal Lutein ve Lipozomal Zeaksantin İçeren Takviye Edici Gıda
İpnekiler: Kapsül Hidroksipropil metil selüloz, Su) Stabilizör: Kalsiyum karbonat E170, Lipozomal Yaban Mersini (Yaban Mersini, Fosfolidilkolin (Ayçiçeği lestini) (*)), Krill yağı (Omega3 Yağ Asitleri (EPA, DHA), Lipozomal L-askorbik asit (L-askorbik asit, fosfolidilkolin (Ayçiçeği lestini) (*)), Kwam arttırıcı: Potasyum klorür E 508, Lipozomal Çinko sitrat (Çinko sitrat, Fosfolidilkolin (Ayçiçeği lestini) (*)), Lipozomal Koenzim Q 10 (Koenzim Q 10, Fosfolidilkolin (Ayçiçeği lestini) (*)), L-askorbik asit, Lipozomal Lutein (Lutein, Fosfolidilkolin (Ayçiçeği lestini) (*)), Topaklanmayı önleyici: Silikon dioksit E 551, Yağ asitlerinin magnezyum tuzları E 470 b, Nikotinik asit, D-alfa-tokoferol, Topaklanmayı önleyici: Magnezyum silikat E 553 a(II), D-biotin, Lipozomal Zeaksantin (Zeaksantin, Fosfolidilkolin (Ayçiçeği lestini) (*)), (N6,44), D-pantotenik asit, Beta-karoten, Tamam hidroksit, Piridoksin hidroklorür, Riboflavin, Kalsiyum-L-metifolat, Filoksanin, Kolekaliferol, *Lipozomal Teknoloji Yaban Mersini, L-askorbik asit, Çinko sitrat, Koenzim Q 10, Lutein, Resveratrol, Zeaksantin bileşenlerinin kaplanmasında kullanılmıdır.

LİPOFTA R Lipozomal Resveratrol, Lipozomal Lutein ve Lipozomal Zeaksantin İçeren Takviye Edici Gıda
İpnekiler: Kapsül Hidroksipropil metil selüloz, Su) Lipozomal Resveratrol (Resveratrol, Fosfolidilkolin (Ayçiçeği lestini) (*)), (%14,332), Lipozomal Koenzim Q 10 (Koenzim Q 10, Fosfolidilkolin (Ayçiçeği lestini) (*)), Lipozomal L-askorbik asit (L-askorbik asit, fosfolidilkolin (Ayçiçeği lestini) (*)), Krill yağı (Omega3 Yağ Asitleri (EPA, DHA) Stabilizör: Kalsiyum karbonat E170, Kwam arttırıcı: Potasyum klorür E 508, Lipozomal Taurin (Taurin, Fosfolidilkolin (Ayçiçeği lestini) (*)), Lipozomal D-alfa-tokoferol (D-alfa-tokoferol, Fosfolidilkolin (Ayçiçeği lestini) (*)), Lipozomal Çinko sitrat (Çinko sitrat, Fosfolidilkolin (Ayçiçeği lestini) (*)), Lipozomal Çinko (Çinko, Fosfolidilkolin (Ayçiçeği lestini) (*)), Lipozomal Lutein (Lutein, Fosfolidilkolin (Ayçiçeği lestini) (*)), (%2,220), Topaklanmayı önleyici: Silikon dioksit E 551, Yağ asitlerinin magnezyum tuzları E 470 b, Magnezyum silikat E 553 a(II), Lipozomal Zeaksantin (Zeaksantin, Fosfolidilkolin (Ayçiçeği lestini) (*)), (%0,444), Lipozomal Bakır glukonat (Bakır glukonat, Fosfolidilkolin (Ayçiçeği lestini) (*)), Lipozomal Kolekaliferol (Kolekaliferol, Fosfolidilkolin (Ayçiçeği lestini) (*)), *Lipozomal Teknoloji İle Resveratrol, Koenzim Q 10, L-askorbik asit, Taurin, D-alfa-tokoferol, Çinko sitrat, Çinko B12ba, Lutein, Zeaksantin, Bakır glukonat ve Kolekaliferol bileşenlerinin kaplanmasında kullanılmıdır.

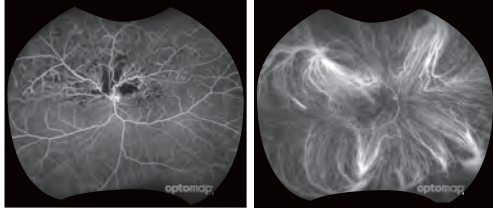


OPTOS UWF™ RETINAL IMAGING WITH GUIDED, SWEEP SOURCE OCT



optomap *color*

optomap *af*

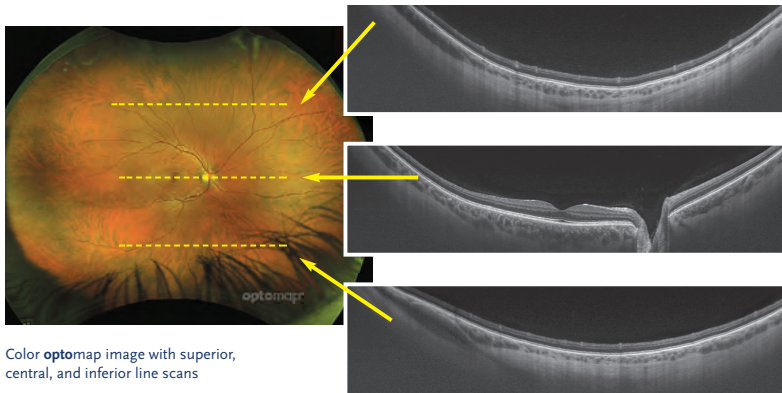


optomap *fa*

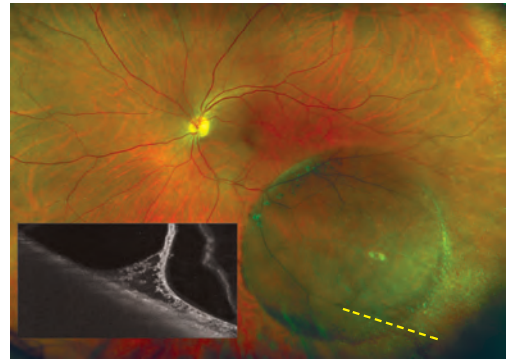
optomap *icg*

Courtesy of Prof Paulo Stanga

Courtesy of Srimivas Satta, MD



Color optomap image with superior, central, and inferior line scans



UWF guided OCT enables OCT capture even in the far periphery

Türkiye Tek Yetkili Distribütörü



www.bemogrup.com.tr info@bemogrup.com.tr
TEL : 0312 4450125

*Silverstone
SS OCT*

KONFORUN¹⁻³

Nemin¹

Görüşün²

Nefes Alabilirliğin³

Hafifliğin^{2,4,5}

ÖTESİNE GEÇİN!



Gelişmiş **MoistureSeal**[®] ve **ComfortFeel** Teknolojileri ile 16 saat konfor^{1,3}

En düşük modülüs^{2,4,5}

High Definition[™] optik tasarımı²

Yüksek oksijen geçirgenliği³

Etkili UV koruması^{6*}

Kolay kullanım²

BAUSCH + LOMB

UV-absorblayan kontakt lensler, tamamen göz ve çevresini örtmediğinden UV emici gözlük veya güneş gözlüğü gibi koruyucu UV-absorblayan gözlüklerin yerine DEĞİLDİR. UV ışığına maruz kalma ile ilişkili oküler rahatsızlıkların görülme sıklığını önlemek veya azaltmak için UV absorblayan kontakt lenslerin etkinliği şu anda kanıtlanmamıştır. UV-absorblayan gözlüklerinizi belirtildiği gibi kullanmaya devam etmelisiniz. NOT: UV-ışınlarına uzun süreli maruz kalmak katarakt ile ilişkili risk faktörlerinden biridir. Maruziyet, çevresel koşullar (rakım, coğrafya, bulutlanma) ve kişisel faktörler (dışındaki aktivitelerin yayınlığı ve tipi) gibi çeşitli faktörlere bağlıdır. UV-bloke eden kontakt lensler zararlı UV ışınlarına karşı korumaya yardımcı eder. Ancak UV-bloke eden kontakt lensler katarakt veya diğer göz rahatsızlıklarının gelişme riskini gösteren klinik çalışmalar yapılmamıştır.

Referanslar: 1. Schafer, J. Steffen, R. Reindel, W. A clinical assessment of dehydration resistance for a novel silicone hydrogel lens and six silicone hydrogel daily disposable lenses. Poster presented at AAO, October 2020. 2. Data on File. Product Performance Evaluation of a Novel Silicone Hydrogel Contact Lens: kafilcon A Daily Disposable Contact Lenses - Summary of kafilcon A Patient Comfort and Vision Outcomes. Bausch & Lomb Incorporated, Rochester, NY, 2021. 3. Rah M. Ocular surface homeostasis and contact lens design. February 2021. 4. Jerome Ozkan; Mark D. Willcox. The Effect of Lens Modulus on Insertion Comfort with Silicone Hydrogel Lenses. ARVO Annual Meeting Abstract | April 2011. 5. Alcon DAILIES TOTAL1® Contact Lens Parameters <https://professional.mylcon.com/contact-lenses/daily/dailies-total-1/> (Erişim Tarihi: 02.01.2023). 6. U.S. Food & Drug Administration 510(k) Summary K200528; Bausch + Lomb (kafilcon A) Soft (hydrophilic) Contact Lens. May 2020.

GÖZ SAĞLIĞI

ÇÖZÜMLERİ



MİKRONUTRİSYON

Maculotect



KAPAK HIJYENİ

Bioblef



KURU GÖZ

NaviTae Plus
Visionlux Plus



UYKU LENSİ

Aeria MC
Aeria OK



KERATOKONUS

EyeBrid
AKS Skleral
Airkone&Aeria



CERRAHİ

Esnoper Clip
Intacs SK
Neoring





OFTACAST

KLİNİK PRATİKTE YOL GÖSTEREN PODCAST



Türkiye'nin Oftalmoloji alanında ilk podcast serisi Oftacast yayında!

ŞİMDİ SİZ DE OFTACAST'İ DİNLEYİN, KLİNİK PRATİKTEKİ
EN GÜNCEL BİLGİLERDEN HABERDAR OLUN.

Oftacast'e erişim için QR kodları okutun:



Giriş sayfasına «oftacast» şifresini girin.



APPLE
PODCASTS



Google Podcasts

Apple Podcast veya Google Podcast Uygulamalarından Dinleyebilirsiniz.



medipört
SİZİNLE BİRLİKTE | SİZİN İÇİN

Medipört'tan Dinleyebilirsiniz.

LUCENTIS® 10 mg/ml Enjeksiyonluk Çözümlü İçeren Kullanım Hazır Enjektör
Sunum: Ranibizumab. Bir kullanım hazır enjektör, 1,65 mg ranibizumaba eşdeğer 0,165 ml içerir. **Endikasyon:** LUCENTIS®: neovasküler (yası tipi) yaşa bağlı makula dejenerasyonunun (YBMD), diyabetik maküler ödemden (DMÖ) kaynaklanan görme bozukluğunun, retinal ven tıkanıklığına (RVT) bağlı maküler ödemden kaynaklanan görme bozukluğunun ve patolojik miyopiye (PM) bağlı koroidal neovaskülarizasyonun (KNV) kaynaklanan görme bozukluğunun tedavisinde endikedir. **Kullanım şekli ve dozu:** Tek kullanımlık kullanım hazır enjektör sadece intravitreal kullanımı içindir. LUCENTIS®, bir "göz hastalıkları uzmanı" tarafından uygulanmalıdır. LUCENTIS® için önerilen doz 0,5 mg'dır (0,05 mL'de). Kullanım hazır enjektörün ekstrakte edilmiş hacmi (0,1ml), toplamda kullanılacak hacim değildir. Fazla hacim enjeksiyondan önce boşaltılmalıdır ve hastaya 0,05 ml uygulanmalıdır. Enjeksiyondan önce yeterli anestezi uygulanmalı ve steril ortam sağlanmalıdır. **Uygulama sıklığı ve süresi:** Tedaviye ayda bir uygulamaya ile başlanılır ve maksimum görme keskinliğine ulaşılan ve/veya hastalık aktivitesi belirtileri görülmeyene yani, devam eden tedavi altında görme keskinliğinde ve diğer hastalık belirtisi ve semptomlarında bir değişiklik olmayana kadar devam edilir. Yası tipi YBMD, DMÖ ve RVT'de hastalarda başlangıçta üç veya daha fazla ardışık aylık enjeksiyon gerekebilir. Sonrasında, izlem ve tedavi aralıkları hekim tarafından, görme keskinliği ve/veya anatomik parametrelere göre değerlendirilerek hastalık aktivitesine göre belirlenmelidir. Hastalar, tedavi-et-uzat rejimine göre tedavi edilebilir. Eğer hekimin görüşüne göre görme ile ilgili ve anatomik parametreler hastanın devam eden tedaviden fayda sağlamadığını gösterirse, LUCENTIS® tedavisi kesilmelidir. Hastalık aktivitesi izlenmi klinik muayene, fonksiyonel test veya görüntüleme tekniklerini (optik koherens tomografi, fluoresan anjiyografi veya indosiyoniyografi) inceleyebilir. Hastalık aktivitesi nüksedirse tedavi aralığı uygun şekilde kısaltilmelidir. PM'ye bağlı KNV'den kaynaklanan görme keskinliğinin tedavisinde birçok hasta ilk yıl sırasında sadece bir ya da iki enjeksiyona ihtiyaç duyarken bazı hastalar daha sık tedaviye ihtiyaç duyabilir. DMÖ'de ve Dal RVT'de LUCENTIS® ve laser fotokoagülasyon. LUCENTIS® klinik çalışmalarda laser fotokoagülasyonla eş zamanlı olarak uygulanmıştır. Aynı gün verilmesi durumunda LUCENTIS® laser fotokoagülasyondan en az 30 dakika sonra uygulanmalıdır. LUCENTIS® önceden laser fotokoagülasyonu yapılmış olan hastalara uygulanabilir. **Kontraindikasyonlar:** Etkin maddeye ya da herhangi bir yardımcı maddeye karşı aşırı duyarlılık, aktif ya da süpürel oküler ya da periorbital enfeksiyonlu hastalar, aktif şiddetli göz içi inflamasyonu hastalarda kullanımı kontraindikedir. **Uyarılar/önlemler:** LUCENTIS® tedavisi sadece intravitreal enjeksiyonlar endoftalmi, göz içi inflamasyonu, regmatojen retina dekolmanı, retina yırtılması ve iyatrojenik travmatik katarakt ile ilişkilidir. LUCENTIS® uygulanırken her zaman uygun steril enjeksiyon teknikleri kullanılmalıdır. Ayrıca, bir enjeksiyon oluştuktan sonra erken tedaviye olanak sağlamak için hastalar enjeksiyonu takip eden hafta sırasında izlenmelidir. Enjeksiyon uygulaması sonrası göz içi basıncı ve optik sinir başı perfüzyonu izlenmelidir. Tedavi amacıyla kullanılan tüm terapötik proteinlerde olduğu gibi, LUCENTIS® için de potansiyel bir immünojenite söz konusu olabilir. LUCENTIS® gereklili olmadıkça gebelik döneminde kullanılmamalıdır. Çocuk doğurma potansiyeli olan kadınlar tedavi süresince etkili bir doğum kontrol yöntemi kullanmalıdır. Tedavi sırasında emzirme önerilmemektedir. LUCENTIS® tedavi prosedürü arca ya da makine kullanımla etkileşime geçici görme bozukluklarını içerebilir. Bu belirtiler geçene kadar arca ya da makine kullanılmamalıdır. **İlaç etkileşimleri:** İlaç etkileşimleri çalışması bulunmamaktadır. **Advers reaksiyonlar:** Çok yaygın görülen advers olaylar: Göz ağrısı, göz iritasyonu, gözlerde yabancı cisim hissi, göz kanlanması, konjunktiva kanaması, blefarit, göz kuruluğu, görme bozukluğu, vitreusta ucusan noktalar, göz içi inflamasyonu, vitreus dekolmanı, vitritis, retina kanaması, gözyaşı artması, göz kasıntısı, intraoküler basıncı artışı, nazofarenjit, eklem ağrısı ve baş ağrısı sayılabilir. **Yaygın görülen advers olaylar:** Gözde rahatsızlık, konjunktiva hiperemisi, konjunktiviti, alerjik konjunktiviti, arka kapsülde opaklaşma, retina pigment epitelin yırtılması, retina dejenerasyonu, retina dekolmanı, retina yırtığı, retinal bozukluklar, görme keskinliğinde azalma, vitreal kanama, vitreal bozukluklar, uveit, iritis, iridosikliti, katarakt, subkapsüler katarakt, punkta keratiti, kornea abrazyonu, ön kamara da flare, bulanık görme, enjeksiyon yerinde kanama, göz kanaması, göz akıntısı, fotopsi, fotofobi, göz kapakçı edemi, göz kapakçı da ağrı, idrar yolu enfeksiyonu (sadece DMÖ hastalarında), anemi, anksiyete, öksürük, tıdanti, alerjik reaksiyonlar, influenza, **Doz aşımı ve tedavi:** Önerilen 0,05 mL'den yüksek hacimlerin enjeksiyonuyla kayıpla ortaya çıkan doz aşımı vakaları bildirilmiştir. Eğer bir doz aşımı olursa, ilgili hekim tarafından gerekli görülmesi durumunda intraoküler basıncı takip edilmez ve tedavi edilmelidir. Klinik çalışmalarda 0,05 mL ile 0,10 mL'lik bir enjeksiyon hacminde 2 mg'a kadar ranibizumab dozları uygulandığında, advers olayların tipi ve sıklığı 0,5 mg (0,05 mL'de) LUCENTIS® dozu için bildirilen doz ile tutarlıdır. **Saklamaya yönelik özel tedbirler:** Buzdolabında (2°C - 8°C) saklayınız. Kullanım hazır enjektörleri içeren açılmamış blister ambalaj, kullanımdan önce oda sıcaklığında (25°C) 24 saate kadar saklanabilir. **Ticari takdim şekli ve KDV Dahil Perakende Satış Fiyatı:** Bir Luer kilit adaptörü dahil, gri bromobütill kauçuk uç kapaklı ile beyaz, emniyet-belirtici sert contadan oluşan bir enjektör kabaklı ve bromobütill kauçuk piston tapasına sahip kullanım hazır dolu enjektörde (tip I cam) 0,165 ml steril çözelti. Kullanım hazır enjektörler sadece tek kullanımlıdır. Ürünlerimizin fiyatları T1TCK tarafından belirlenerek www.t1tck.gov.tr adresinde yayımlanmaktadır. Güncel bilgilere erişmek için firmamıza başvurunuz. Reçete ile satılır. Ayrıntılı bilgi için lütfen bizimle iletişime geçiniz. **Ruhsat tarihi ve no:** 13.07.2017 – 2017/598. **KÜB onay tarihi:** 13.07.2017. **Ruhsat sahibi:** Novartis Sağlık, Gıda ve Tarım Ürünleri San. ve Tic. A.Ş. Kovacık/Beykoz/İstanbul. **İletişim adresi:** Novartis Sağlık, Gıda ve Tarım Ürünleri Sanayi ve Ticaret A.Ş., Surayya Akal İş Merkezi, Rüzgarbalçak Mah., Şehit Sinan Eroğlu Cad. No:6 34805 Kavacık İstanbul Türkiye Tel: 0216 681 20 00. Ürünlerimizin fiyatları T1TCK tarafından belirlenerek www.t1tck.gov.tr adresinde yayımlanmaktadır. Güncel bilgilere erişmek için firmamıza başvurunuz. www.novartis.com.tr



ISSN - 2757-8135

EUROPEAN
EYE
RESEARCH

EDITOR-IN-CHIEF

Filiz Afrashi, MD

Ege University Faculty of Medicine, Ophthalmology, Izmir, Türkiye

ASSOCIATE EDITORS

Cezmi Akkin, MD

Ege University Faculty of Medicine, Ophthalmology, Izmir, Türkiye

Melis Palamar, MD

Ege University Faculty of Medicine, Ophthalmology, Izmir, Türkiye

Suzan Guven Yilmaz, MD

Ege University Faculty of Medicine, Ophthalmology, Izmir, Türkiye

Elif Demirkilinc Biler, MD

Ege University Faculty of Medicine, Ophthalmology, Izmir, Türkiye

Cumali Degirmenci, MD

Ege University Faculty of Medicine, Ophthalmology, Izmir, Türkiye

INTERNATIONAL ADVISORY BOARD

Iqbal Ike Ahmed, MD

University of Toronto, Ophthalmology,
Toronto, Canada

Jose Fernando Arevalo, MD, PhD

Johns Hopkins Bayview Medical Center, Ophthalmology,
Baltimore, USA

Carl Claes, MD

Claes Retina Clinic, Ophthalmology, Antwerp, Belgium

Murat Dogru, MD

Keio University, Ophthalmology, Tokyo, Japan

Matrin Litev, MD

"St. Petka" Eye Clinic, Varna, Bulgaria

Gueorgui Markov, MD, PhD

Sofia University Faculty of Medicine, Ophthalmology, Sofia,
Bulgaria

Arman Mashayekhi, MD

Mayo Clinic, Ophthalmology, Jacksonville, Miami, USA

Miguel Angel Materin, MD, PhD

Duke University School of Medicine, Ophthalmology, North
Carolina, USA

Gulgun Tezel, MD

Columbia University, Ophthalmology, New York, USA

Tongalp Tezel, MD

Columbia University, Ophthalmology, New York, USA

LANGUAGE EDITOR

Melis Palamar, MD

Ege University Faculty of Medicine, Ophthalmology, Izmir, Türkiye

STATISTICS EDITOR

Kivanc Yuksel, PhD

Ege University Faculty of Medicine, Biostatistics and Medical Informatics, Izmir, Türkiye

The European Eye Research is indexed in OUCI, Scilit, Scope Database, EBSCO and TUBITAK TR Dizin

Owner

Melis Palamar, MD

Ege Universitesi Tip Fakultesi, Goz Hastaliklari AD, Bornova, Izmir, Türkiye

Tel: +90 232 390 37 88

melispalamar@gmail.com

Editor

Filiz Afrashi, MD

Ege Universitesi Tip Fakultesi, Goz Hastaliklari AD, Bornova, Izmir, Türkiye

Tel: +90 232 390 37 88

afrashif@yahoo.com

Contact:

Publisher



Goztepe Mah. Fahrettin Kerim Gokay Cad. No: 200 Da: 2, Goztepe, Kadikoy, Istanbul, Türkiye

Phone: +90-216-550 61 11 Fax: +90-216-550 61 12

e-mail: kare@karepb.com Web: kare@karepb.com



NATIONAL ADVISORY BOARD

Yasemin Akcay, MD

Ege University Faculty of Medicine, Medical Biochemistry, İzmir, Türkiye

Zuleyha Yalniz Akkaya, MD

Ankara Research and Training Hospital, Ophthalmology, Ankara, Türkiye

Zeynep Aktas, MD

Gazi University Faculty of Medicine, Ophthalmology, Ankara, Türkiye

Gul Arikan, MD

Dokuz Eylul University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Halil Ates, MD

Private Practice, Ophthalmology, İzmir, Türkiye

Mine Esen Baris, MD

Ege University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Cenk Can, MD

Ege University Faculty of Medicine, Pharmacology, İzmir, Türkiye

Naim Ceylan, MD

Ege University Faculty of Medicine, Radiology, İzmir, Türkiye

Cagatay Caglar, MD

Hitit University Faculty of Medicine, Ophthalmology, Corum, Türkiye

Mehmet Citirik, MD

Ulucanlar Research and Training Hospital, Ophthalmology, Ankara, Türkiye

Sibel Demirel, MD

Ankara University Faculty of Medicine, Ophthalmology, Ankara, Türkiye

Oya Donmez, MD

İzmir Tinaztepe University, Ophthalmology, İzmir, Türkiye

Sema Oruc Dundar, MD

Adnan Menderes University Faculty of Medicine, Ophthalmology,
Aydın, Türkiye

Sait Egrilmez, MD

Private Practice, Ophthalmology, İzmir, Türkiye

Sinan Emre, MD

Ekol Eye Hospital, Ophthalmology, İzmir, Türkiye

Muhsin Eraslan, MD

Marmara University Faculty of Medicine, Ophthalmology, İstanbul, Türkiye

Korhan Fazil, MD

Beyoglu Eye Research and Training Hospital, Ophthalmology, İstanbul, Türkiye

Sirel Gur Gungor, MD

Baskent University Faculty of Medicine, Ophthalmology, Ankara, Türkiye

Murat Hasanreisoglu, MD

Koc University Faculty of Medicine, Ophthalmology, İstanbul, Türkiye

Sibel Kadayifcilar, MD

Hacettepe University Faculty of Medicine, Ophthalmology, Ankara, Türkiye

Mahmut Kaya, MD

Dokuz Eylul University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Ozcan Kayikcioglu, MD

Celal Bayar University Faculty of Medicine, Ophthalmology, Manisa, Türkiye

Tolga Kocaturk, MD

Adnan Menderes University Faculty of Medicine, Ophthalmology,
Aydın, Türkiye

Bengu Ekinci Koktekir, MD

Selcuk University Faculty of Medicine, Ophthalmology, Konya, Türkiye

Tuncay Kusbeci, MD

Bozyaka Research and Training Hospital, Ophthalmology, İzmir, Türkiye

Jale Mentec, MD

Ege University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Serhad Nalcaci, MD

Ege University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Huseyin Onay, MD

Multigen Genetic Diseases Assessment Center, Medical Genetics,
İzmir, Türkiye

Altan Atakan Ozcan, MD

Cukurova University Faculty of Medicine, Ophthalmology, Adana, Türkiye

Taylan Ozturk, MD

Dokuz Eylul University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Gozde Sahin, MD

Balıkesir University Faculty of Medicine, Ophthalmology, Balıkesir, Türkiye

Ali Osman Saatci, MD

Dokuz Eylul University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Ozlem Barut Selver, MD

Ege University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Hande Taylan Sekeroglu, MD

Hacettepe University Faculty of Medicine, Ophthalmology, Ankara, Türkiye

Huseyin Cem Simsek, MD

Mugla Sitki Kocman University Faculty of Medicine, Ophthalmology,
Mugla, Türkiye

Didar Ucar, MD

Cerrahpasa University Faculty of Medicine, Ophthalmology, İstanbul,
Türkiye

Onder Uretmen, MD

Ege University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Canan Aslı Utine, MD

Dokuz Eylul University Faculty of Medicine, Ophthalmology, İzmir, Türkiye

Ayşe Yagci, MD

Private Practice, Ophthalmology, İzmir, Türkiye

Banu Yaman, MD

Ege University Faculty of Medicine, Medical Pathology, İzmir, Türkiye

Yusuf Yildirim, MD

Beyoglu Eye Research and Training Hospital, Ophthalmology,
İstanbul, Türkiye

Mehmet Ozgur Zengin, MD

İzmir Katip Celebi University, Ophthalmology, İzmir, Türkiye



INFORMATION FOR THE AUTHORS

European Eye Research is an international, scientific, open access periodical published in accordance with independent, unbiased, and double-blind peer-review principles. Three issues are released every year in April, August, and December. The publication language of the journal is English.

European Eye Research aims to contribute to the international literature by publishing high-quality manuscripts in the field of ophthalmology. The target audience includes specialists and physicians-in-training in all branches of ophthalmology.

REVIEW PROCESS

Manuscripts submitted to European Eye Research will undergo a double-blind peer-review process. Each submission will be reviewed by at least two external, independent peer reviewers who are experts in the field in order to ensure an unbiased evaluation process. The editorial board will invite an external and independent editor to manage the evaluation process of manuscripts submitted by editors or by members of the editorial board. The editor is the final authority in the decision-making process for all submissions. The review is typically completed within one month of submission to the journal. Authors will be sent constructive reviewer comments intended to be useful. In general, the instructions, objections, and requests made by the reviewers should be followed. The revised manuscript should clearly and precisely indicate every step taken in accordance with the reviewers' notes. A list of responses and the corrections made to each comment should be provided.

ETHICS

Studies using human or animal subjects should be approved by the appropriate institutional and local Ministry of Health ethics committees. Ethics approval of research protocols in accordance with international agreements (World Medical Association Declaration of Helsinki "Ethical Principles for Medical Research Involving Human Subjects," amended in October 2013, www.wma.net) is required for experimental, clinical, and drug studies, as well as for some case reports. Ethics committee reports or an equivalent official document may be requested from the authors. For manuscripts involving experimental research on humans, a statement should be included that shows that written, informed consent of patients and volunteers was obtained. For studies carried out on animals, the measures taken to prevent pain and suffering of the animals should be stated clearly. A statement regarding patient consent, and the name of the ethics committee, the ethics committee approval date, and number should be stated in the Materials and Methods section of the manuscript. It is the authors' responsibility to carefully protect patients' anonymity. For photographs that may reveal the identity of the patients, signed releases of the patient or of their legal representative should be enclosed.

AUTHORSHIP

Each individual listed as an author should fulfill the authorship criteria recommended by the International Committee of Medical Journal Editors (ICMJE - www.icmje.org). The ICMJE recommends that authorship should be based on the following 4 criteria:

- Substantial contributions to the conception or design of the work, or the acquisition, analysis, or interpretation of data for the work; AND
- Drafting the work or revising it critically for important intellectual content; AND
- Final approval of the version to be published; AND
- Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

In addition to being accountable for their own work, authors should have

confidence in the integrity of the contributions of their co-authors and each author should be able to identify which co-authors are responsible for other parts of the work.

All of those designated as authors should meet all four criteria for authorship, and all who meet the four criteria should be identified as authors. Those who provided a contribution but do not meet all four criteria should be recognized separately on the title page and in the Acknowledgements section at the conclusion of the manuscript.

European Eye Research requires that corresponding authors submit a signed and scanned version of the authorship contribution form (available for download through www.europeaneyeresearch.com) during the initial submission process in order to appropriately indicate and observe authorship rights and to prevent ghost or honorary authorship. Please note that the list of authors on the final manuscript will be presented in the order provided on this form. If the editorial board suspects a case of "gift authorship," the submission will be rejected without further review. As part of the submission of the manuscript, the corresponding author should also send a short statement declaring that they accept all responsibility for authorship during the submission and review stages of the manuscript.

ORCID

The Open Researcher and Contributor ID (ORCID) number of each author must be submitted when creating an account for correspondence. To obtain an ORCID number, please visit <https://orcid.org/>.

PLAGIARISM DETECTION

All submissions are screened using similarity detection software at least two times: on submission and after completing revisions. In the event of alleged or suspected research misconduct, e.g., plagiarism, citation manipulation, or data falsification/fabrication, the editorial board will follow and act in accordance with COPE guidelines. Plagiarism, including self-plagiarism, that is identified at any stage will result in rejection of the manuscript.

Publication Charges

This journal assesses no submission fees, publication fees, or page charges.

MANUSCRIPT PREPARATION

Manuscripts should be prepared in accordance with the ICMJE-Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (updated in December 2015 - <http://www.icmje.org/icmje-recommendations.pdf>). Authors are required to prepare manuscripts in accordance with the Consolidated Standards of Reporting Trials (CONSORT) guidelines for randomized research studies, the Strengthening the Reporting of Observational studies in Epidemiology (STROBE) guidelines for observational original research studies, the Standards for Reporting Diagnostic Accuracy (STARD) guidelines, the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guidelines, the Animal Research: Reporting of In Vivo Experiments (ARRIVE) guidelines for experimental animal studies, and the Transparent Reporting of Evaluations with Non-randomized Designs (TREND) guidelines for non-randomized behavioral and public health evaluations.

Manuscripts may only be submitted through the journal's online manuscript submission and evaluation system, <http://jag.journalagent.com>. Manuscripts submitted via any other medium will not be evaluated.

Manuscripts will first be submitted to a technical evaluation process in which the editorial staff will ensure that the manuscript has been prepared and submitted in accordance with the journal's guidelines. Submissions that do not conform to the journal's guidelines will be returned to the author with requests for technical correction.

The quality and clarity of the language used in a manuscript are very important. The editors may request that authors have the manuscript professionally edited if the language of the submission does not conform to the journal standards. European Eye Research uses American English. Please submit text of a quality ready for publication. It is also requested that authors observe the specific formatting requirements noted in the submission checklist and elsewhere in these instructions. For information about language editing and copyediting services, authors may contact Kare Publishing at kare@karepb.com.

MANUSCRIPT TYPES

Original Article: This is the most valued type of article, since it provides new information based on original research. The main text of an original article should be structured with Introduction, Methods, Results, Discussion, and Conclusion subheadings. Original articles are limited to 3500 words and 30 references.

Editorial Comment: Editorial comments provide a brief critical commentary offered by reviewers with experience and standing in the topic of a research article previously published in the journal. The authors are selected and invited by the journal to provide the benefit of their expertise. The submission should not include an abstract, keywords, tables, figures, or images. The word count is limited to 1000 and 10 references may be included.

Review Article: Two kinds of review are accepted for publication in European Eye Research: narrative review and systematic review. Reviews of relevant topics not recently discussed in this format that will be helpful to readers are welcomed.

Case Report: There is limited space for case reports and therefore the journal selects reports of rare cases or conditions that reflect challenges in diagnosis and treatment, those offering new therapies or revealing knowledge not described in the literature, or presenting something otherwise particularly interesting and educative. The abstract should be structured with a background, brief case description, and conclusion, and is limited to 150 words. The report must include the subheadings of introduction, case report, and discussion, which includes a conclusion. A case report is limited to 1000 words and 10 references.

Letter to the Editor: This type of manuscript discusses important observations, overlooked aspects, or details lacking in a previously published article. Noteworthy articles on subjects within the scope of the journal, particularly educational cases, may also be submitted in the form of a "Letter to the editor." No abstract, keywords, tables, figures, images, or other media should be included. The article that is the subject of commentary must be properly cited within the manuscript. The text should be unstructured and is limited to 500 words. No more than 5 references will be accepted.

Cover Letter: The cover letter should include the article title, article type, and the full name of the corresponding author and a statement declaring the absence or presence of any conflict of interest. The corresponding author should briefly summarize the paper and affirm that it has not already been published, accepted, or is under simultaneous review for publication elsewhere. It should be stated that if the manuscript is accepted by European Eye Research, the paper will not be published elsewhere in the same form, in English or in any other language.

Title Page: A separate title page should be submitted with all submissions and this page should include:

- The full title of the manuscript as well as a short title (running head) of no more than 50 characters;
- Name, affiliation, ORCID ID number, and highest academic degree of the author(s);
- Funding and other material support;
- Name, address, phone number(s), fax number, and e-mail address of the corresponding author;
- Acknowledgement of individuals who contributed to the preparation of the manuscript but who do not fulfill the authorship criteria; and
- The name, date and place of manuscripts that have been presented orally or as a poster at a conference or other event.

Abstract: An English-language abstract is required with all submissions except editorial comments, images, and letters to the editor. Systematic reviews and original articles should contain a structured abstract of maximum 250 words with the subheadings of objective, methods, results, and conclusion.

Keywords: Each submission must be accompanied by a minimum of three and a maximum of six keywords for subject indexing included at the end of the abstract. The keywords should be listed in full without abbreviations and should be separated by commas. The keywords should be selected from the National Library of Medicine, Medical Subject Headings database (<https://www.nlm.nih.gov/mesh/MBrowser.html>).

Tables: Tables should be uploaded as separate files and not embedded in the main text. They should be numbered consecutively in the order they are referred to within the main text. A descriptive title must be placed above the tables. Abbreviations used in the tables should be defined below the table with footnotes, even if they are defined within the main text. Tables should be created using the "insert table" command of the word processing software used, and they should be designed for easy reading. Data presented in tables should not be a repetition of the data presented within the main text but should support the main text.

Figures and Figure Legends: Figures, graphics, and photographs should be submitted as separate files in TIFF or JPEG format through the article submission system. The files should not be embedded in a Word document or the main document. When there are figure subunits, the subunits should not be combined to form a single image. Each subunit should be submitted separately through the submission system and labeled appropriately, not merely a, b, c, etc. Thick and thin arrows, arrowheads, stars, asterisks, and similar marks may be used in the images to clarify the figure legend. Like the rest of the submission, figures should be blinded. Any information within the images that may identify an individual or institution should be protected. The minimum resolution of each submitted figure should be 300 DPI. To prevent delays in the evaluation process, all submitted figures should be clear in resolution and large in size (minimum dimensions: 100x100 mm). Figure legends should be listed at the end of the main document.

All acronyms and abbreviations used in the manuscript should be defined at first use, both in the abstract and in the main text. The abbreviation should be provided in parentheses following the definition. Units should be prepared in accordance with the International System of Units (SI). When a drug, device, hardware, or software program, or other product is mentioned within the main text, the name of the product, the manufacturer/copyright holder of the product (not simply the vendor), and the city and the country of the company (including the state, if in USA or otherwise appropriate), should be provided in parentheses in the following format: "Discovery St PET/CT scanner (General Electric Co., Boston, MA, USA)."

All references, tables, and figures should be referred to within the main text in consecutive order, and they should be numbered in the same order in the additional file submissions.

Limitations, drawbacks, and shortcomings of original articles should be mentioned in the Discussion section before the conclusion paragraph.

References: The editorial team requests that the authors cite related recently published articles (preferably within the last 10 years) in their manuscripts, with the exception of historical papers.

If an ahead-of-print publication is cited, the digital object identifier (DOI) number should be provided. Authors are responsible for the accuracy of references. Journal titles should be abbreviated in accordance with the journal abbreviations in the Index Medicus /MEDLINE/ PubMed. When there are six or fewer authors, all authors should be listed. If there are seven or more authors, the first three should be listed followed by "et al." In the main text of the manuscript, references should be cited using superscript Arabic numerals. The reference styles for different types of publications are presented in the following examples.

Journal article: Wang H, Cheng JW, Wei RL, Cai JP, Li Y, Ma XY. Meta-analysis of selective laser trabeculoplasty with argon laser trabeculoplasty in the treatment of open-angle glaucoma. *Can J Ophthalmol* 2013;48:186–92.

Epub ahead-of-print article: Cai L, Yeh BM, Westphalen AC, Roberts JP, Wang ZJ. Adult living donor liver imaging. *Diagn Interv Radiol* 2016 Feb 24. doi: 10.5152/dir.2016.15323. [Epub ahead-of-print].

Manuscript published in electronic format: Morse SS. Factors in the emergence of infectious diseases. *Emerg Infect Dis* (serial online) 1995 Jan-Mar (cited 1996 June 5): 1(1): (24 screens). Available from: URL: <http://www.cdc.gov/ncidod/EID/cid.htm>.

Book section: Suh KN, Keystone JS. Malaria and babesiosis. Gorbach SL, Barlett JG, Blacklow NR, editors. *Infectious Diseases*. Philadelphia: Lippincott Williams; 2004.p.2290-308.

Books with a single author: Sweetman SC. Martindale the Complete Drug Reference. 34th ed. London: Pharmaceutical Press; 2005.

Editor(s) as author: Huizing EH, de Groot JAM, editors. Functional reconstructive nasal surgery. Stuttgart-New York: Thieme; 2003.

Conference proceedings: Bengissson S. Sothemin BG. Enforcement of data protection, privacy and security in medical informatics. In: Lun KC, Degoulet P, Piemme TE, Rienhoff O, editors. MEDINFO 92. Proceedings of the 7th World Congress on Medical Informatics; 1992 Sept 6-10; Geneva, Switzerland. Amsterdam: North-Holland; 1992. pp.1561-5.

Scientific or technical report: Cusick M, Chew EY, Hoogwerf B, et al. Early Treatment Diabetic Retinopathy Study Research Group. Risk factors for renal replacement therapy in the Early Treatment Diabetic Retinopathy Study (ETDRS), Early Treatment Diabetic Retinopathy Study Kidney Int: 2004. Report No: 26.

REVISIONS

When submitting a revised version of a paper (include a clean copy and a highlighted copy), the author must submit a detailed response to the reviewers that replies to each issue raised by the reviewers and indicates where changes can be found (each reviewer's comment, followed by the author's reply and line number where changes have been made) as well as an annotated copy of the main document. Revised manuscripts must be submitted within 30 days from the date of the decision letter. If the revised version of the manuscript is not submitted within the allocated time, the revision option may be withdrawn. If the submitting author(s) believe that additional time is required, they should request this extension within the initial 30-day period.

Accepted manuscripts are copy edited for grammar, punctuation, format, and clarity. Manuscripts will be published online on the journal's webpage as an ahead-of-print version during the completion of the publication process and included in the scheduled issue. A PDF proof of the manuscript will be sent to the corresponding author and publication approval is requested within 2 days of receipt.

PUBLICATION PROCESS

Accepted manuscripts will be made available and citable online as rapidly as possible. The stages of publication are as follows:

Uncorrected publication: A PDF of the final, accepted (but unedited and uncorrected) paper will be published online on the journal web page under the "Accepted Articles" section. A DOI will be assigned to the article at this stage.

Ahead-of-print publication: After copy editing, typesetting, and review of the resulting proof, the final corrected version will be added online in the "Ahead-of-Print" section.

Final publication: The final, corrected version will appear in an issue of the journal and will be added to the journal website. To ensure rapid publication, we ask authors to provide their publication approval during the proof-reading process as quickly as possible, and return corrections within 48 hours of receiving the proof.

SUBMISSION CHECKLIST

Please use this list and the following explanations to prepare your manuscript and perform a final check before submission to ensure a timely review.

Formatting of text

- Format your document as A4 paper, use double line spacing, Times font size 12, and do not justify the right margin;
- Main headings and subheadings should be in 12-point and bold font;
- Type a single space at the end of each sentence;
- Do not use bold face for emphasis within the text;

- Numbers one to ten are written out in words unless they are used as a unit of measurement, except in figures and tables;
- Use a single hard return to separate paragraphs. Do not use tabs or indents to start a paragraph;
- Do not use software options for hyphenation, headers, or footers;
- Use page numbering;
- Use line numbers; and
- Use US English.

Include the following items:

Cover letter

Title page including:

- Article type;
- Article title;
- Running title;
- All author names, affiliations, and ORCID ID numbers;
- The author designated as the corresponding author with contact details
 - Full postal address, phone number(s), and e-mail address;
- Acknowledgements;
- Manuscripts that have been presented orally or as a poster must include the name of the event, the date, and the location;
- Government or other financial support for the study; and
- Word count
 - Abstract word count
 - Text word count.

Main text of the manuscript must include (ensure written according to journal rules):

- Article title,
- Abstract,
- Keywords,
- Text with required subheadings,
- References, and
- Figures and tables.
- Numbered according to text citation
- Descriptive legends/titles and abbreviations
- Ensure all figure and table citations in the text match the files provided
- **Figures:** submitted separately and appropriately labeled
- **Tables:** submitted separately and appropriately labeled
- **Ensure that ALL of the following forms have been properly completed and submitted:**
 - ICMJE Potential Conflict of Interest Disclosure Form (completed by all contributing authors),
 - Copyright Transfer Form, and
 - Author Contributions Form.

These forms are available for download at <http://europeaneyeresearch.com>

Further review

- Check the statistical analysis for full and accurate description;
- Use US English spell check and grammar check software functions;
- Check that all references cited in the text are correctly listed in the reference list;
- Permission has been obtained for use of copyrighted material from other sources (including the Internet);
- All abbreviations have been identified; and
- Compliance with all of the journal policies detailed in this guide.



CONTENTS

Editorial VII

ORIGINAL ARTICLES

Efficacy of intravitreal aflibercept monotherapy in treatment naive cases with diabetic macular edema
Ipek SC, Kocak N, Kaya M, Ozturk T, Kaynak S 1–6

Effect of intravitreal dexamethasone implant (Ozurdex®) injections on corneal biomechanical properties measured using ocular response analyzer
Korkmaz I, Degirmenci C, Akkin C, Palamar M, Nalcaci S, Afrashi F 7–11

Evaluation of dry eye in eyes with unilateral pterygium
Kiyat P, Karti O 12–15

Evaluation of the relationship between dry eye and cataract surgery
Kiyat P, Karti O 16–19

Change in brow position following upper blepharoplasty in patients with dermatochalasis coexisting only cosmetic complaint
Mat E 20–25

REVIEW

Orbital rhabdomyosarcoma: Review
Ilayda Korkmaz I, Yaman B, Ceylan N, Kantar M, Kamer S, Palamar M 26–31

CASE REPORTS

Long-term management of gelatinous droplet dystrophy with phototherapeutic keratectomy and toric soft contact lenses
Ozbek Z, Akbulut Yagci B, Yuksel B, Durak I 32–35

Giant cell arteritis presenting with isolated cotton wool spots: a case report
Akbulut Yagci B, Yaman A, Lebe B, Soylev Bajin M, Saatci AO 36–40

Double neovascularization in the same eye with pachychoroid neovascularopathy: one exudative and the other non-exudative
Altinisik M, Oruc SD, Erdogan M 41–45