





Unilateral Optic Disc Neovascularization in a Patient with Optic Disc Pit Depending on Proliferative Diabetic Retinopathy

Atilla SAHİN, Cansu EKİNCİ ASLANOĞLU, Hakan ÖZDEMİR

The Effect of Glass Ceramic Layering on the Marginal Leakage of Zirconia Supported Crowns

Bahar ELTER, Gamze PAKEN, M. Erhan ÇÖMLEKOĞLU

Forensic Geriatric Trauma Cases

Erdem HÖSÜKLER, Zehra Zerrin ERKOL

Clinical Importance of The First Trimester Uterine Artery Doppler Measurements in Patients with Hyperemesis Gravidarum

Mustafa MARAŞLI, Esra KELEŞ, Pınar YILDIZ, Mehmet Mete KIRLANGIÇ, Rezzan Berna BAKI, Emre MAT, Gazi YILDIZ, İlknur ADANIR, Banu DANE

Orthodontic Materials Interacting with Fifth Generation (5G) Electromagnetic Waves

Banu KILIÇ, Hasan Yasin ÜNAL, Esma EKİNCİ

Volume 12 • Issue 2 • April 2024

bezmialemscience.org





Editor in Chief

Adem AKÇAKAYA

Department of General Surgery, Bezmialem Vakif University School of Medicine, Istanbul, Türkiye

Associate Editors

Fahri AKBAŞ

Department of Medical Biology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Fadlullah AKSOY

Department of Otorhinolaryngology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

İbrahim AYDOĞDU

Department of Pediatric Surgery, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Simona CAVALU

Faculty of Medicine and Pharmacy, University of Oradea, Oradea, Romania

Hayrettin DAŞKAYA

Department of Anesthesiology and Reanimation, Bezmialem Vakıf University School of Medicine İstanbul, Türkiye

Remzi DOĞAN

Department of Otorhinolaryngology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Bülent DURDU

Department of Infectious Diseases and Clinical Microbiology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Mehmet Ali GÜLTEKİN

Department of Radiology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Mehmet Burak GÜNEŞER

Department of Endodontics Bezmialem Vakıf University School of Dentistry, Istanbul, Türkiye

Ayşe Filiz GÖKMEN KARASU

Deparment of Gynecology and Obstetrics, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Özlem KARA

Department of Endodontics, Bezmialem Vakıf University School of Dentistry, İstanbul, Türkiye

Deniz KARA

Department of Orthopaedics and Traumatology, Washington University, Louis, USA

Muharrem KISKAÇ

Department of Internal Medicine, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Abdurrahim KOÇYİĞİT

Department of Medical Biochemistry, Bezmialem University Faculty of Medicine, İstanbul, Türkiye

Çağla KIZILARSLAN HANÇER

Department of Pharmaceutical Botany, Bezmialem University Faculty of Pharmacy, İstanbul, Türkiye

Alis KOSTANOĞLU

Deparment of Physiotherapy and Rehabilitation, Bezmialem Vakıf University School of Health Science, İstanbul, Türkiye

Özlem SU KÜÇÜK

Department of Dermatology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Sedat MEYDAN

Department of Medical Anatomy, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Section Editors

Muhammed Batuhan AYIK

Department of Psychiatry, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Fatma Betül AKCAKAYA ÖZER

Department of Public Health, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Anıl Gülsel BAHALI

Department of Dermatology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Aclan ÖZDER

Department of Family Medicine, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Bahadır TAŞLIDERE

Department of Emergency Medicine, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Özden TÜREL

Department of Child Health and Diseases, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye



Publisher Contact

Address: Molla Gürani Mah. Kaçamak Sk. No: 21/1 34093 İstanbul, Türkiye

Phone: +90 (530) 177 30 97

E-mail: info@galenos.com.tr/yayin@galenos.com.tr

Web: www.galenos.com.tr

Publisher Certificate Number: 14521 Publication Date: May 2024 E-ISSN: 2148-2373

International scientific journal published quarterly.



Biostatistics Consultant

Ömer UYSAL

Department of Biostatistics and Medicine Informatics, Division of Basic Medical Sciences, Istanbul Cerrahpasa University School of Medicine, İstanbul, Türkiye

Editorial Board

Ahmet BELCE

Department of Biochemistry, Biruni University School of Medicine, İstanbul, Türkiye

Anne-Catherine ANDRES

Department of Clinical Research, University of Bern School of Medicine, Switzerland

Amrita BANERJEE

Department of Pharmaceutical Sciences, North Dakota State University School of Pharmacy, Fargo, ND, USA

Gökçen BAŞARANOĞLU

Department of Anesthesiology and Reanimation, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Artur BEKE

Department of Obstetrics and Gynecology, Semmelweis University, Budapest, Hungary

Ufuk ÇAKATAY

Department of Biochemistry, İstanbul University-Cerrahapaşa, Cerrahpasa School of Medicine, İstanbul, Türkiye

Yeter DEMİR

Department of Healthcare Management, İstanbul Medipol University Faculty of Health Sciences, İstanbul, Türkiye

Özlem DURMAZ

Department of Pediatric Gastroenterology, Hepatology and Nutrition, İstanbul University School of Medicine, İstanbul, Türkiye

Atilla EROĞLU

Department of Thoracic Surgery, Atatürk University School of Medicine, Erzurum, Türkiye

Mukkades ESREFOĞLU

Department of Histology and Embryology, Bezmialem Vakıf University, İstanbul, Türkiye

Joachim FANDREY

Department of Physiology, Duisburg University School of Medicine, Duisburg, Germany

Max GASSMAN

Department of Veterinary Physiology, Institute of Veterinary Physiology, University of Zurich, Zurich, Switzerland

Steffen GAY

Department of Rheumatology, University of Zurich School of Medicine, Zurich, Switzerland

Renate GAY

Department of Rheumatology, University of Zurich School of Medicine, Zurich, Switzerland

Klaus W. GRAETZ

Department of Cranio-Maxillo-Facial and Oral Surgery, Zurich University School of Medicine, Zurich, Switzerland

Ülkan KILIÇ

Department of Medical Biology, University of Health Science Türkiye School of Medicine, İstanbul, Türkiye

İsmet KIRPINAR

Department of Psychiatry, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Tufan KUTLU

Department of Pediatric Gastroenterology and Hepatology, İstanbul University-Cerrahpaşa, Cerrahpaşa School of Medicine, İstanbul, Türkiye

Abdürrahim KOÇYİĞİT

Department of Medical Biochemistry, Bezmialem Vakıf University, İstanbul, Türkiye

Thomas A. LUTZ

Department of Veterinary Physiology, University of Zürich School of Medicine, Zurich, Switzerland

İsmail MERAL

Department of Medical Physiology, Bezmialem Vakıf University, İstanbul, Türkiye

Arzu TEZVERGİL MUTLUAY

Department of Prosthetic, University of Turku School of Medicine, Turku, Finland

Hayat ÖNYÜKSEL

Department of Biopharmaceutical Sciences, UIC Faculty of Pharmacy, Illinois, USA

Orhan ÖZTURAN

Department of Otolaryngology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Gülaçtı TOPÇU

Dean of the Faculty of Pharmacy, Bezmialem Vakıf University, İstanbul, Türkiye

Oliver ULRICH

Department of Anatomy, University of Zurich School of Medicine, Zurich, Switzerland



Şahabettin SELEK

Department of Medical Biochemistry, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Martina MUCKENTHALER

Clinic of Pediatric Oncology, University Medical Center of Schleswig-Holstein, Heidelberg, Germany

Suhair SUNOQROT

Department of Pharmacy, Al-Zaytoonah University of Jordan School of Pharmacy, Amman, Jordan

Claudiu T. SUPURAN

Department Neuropharma, University of Florence School of Medicine, Firenze, Italy

Yener YÖRÜK

Department of Thoracic Surgery, Trakya University School of Medicine, Edirne, Türkiye

Jie ZHOU

Department of Anesthesiology, Peroperative and Pain Medicine, Brigham and Women's Hospital, Harward Medical School, Boston, MA, USA



Please refer to the journal's webpage (https://www.bezmialemscience.org/) for "Aims and Scope", "Instructions to Authors" and "Ethical Policy".

The editorial and publication process of Bezmialem Science are shaped in accordance with the guidelines of ICMJE, WAME, CSE, COPE, EASE, and NISO. The journal is in conformity with the Principles of Transparency and Best Practice in Scholarly Publishing.

Bezmialem Science is indexed in Web of Science-Emerging Sources Citation Index, TUBITAK ULAKBIM, EBSCO, Gale, Embase, CABI, ProQuest, CINAHL, Türk Medline, Türk Atıf Dizini, İdealOnline, J-Gate, DOAJ, Hinari, GOALI, ARDI, OARE, AGORA and CNKI.

The journal is published electronically.

Owner: Bezmiâlem Vakıf University

Responsible Manager: Adem AKÇAKAYA



CONTENTS

_	•						
O	TI(a l	na	lΑ	rtı	C	les

- The Effect of Glass Ceramic Layering on the Marginal Leakage of Zirconia Supported Crowns
 Bahar ELTER, Gamze PAKEN, M. Erhan ÇÖMLEKOĞLU; İstanbul, İzmir, Türkiye
- COVID-19 Phobia in Pregnant Women and its Effect on Vaccination Attitude

 Arzu AKDEMİR, Eda YAKIT AK, Özden TANDOĞAN, Ümran OSKAY; İstanbul, Diyarbakır, Türkiye
- Development of a Novel Plasmid-based Eukaryotic Model to Investigate Crimean-Congo Hemorrhagic Fever Virus

Nesibe Selma GÜLER ÇETİN, Özlem BAKANGİL, Merve KALKAN YAZICI, Sercan KESKİN, Mehmet Ziya DOYMAZ; İstanbul, Türkiye

- How Sleep Quality Affects Postural Control?

 Menekşe KARAHAN, Metehan PEHLİVAN, Enis ULUÇAM, Mehtap SEYAZ, Didem DÖNMEZ AYDIN; Kırklareli, Edirne, Türkiye
- Determination of Types and Frequency of Urinary Incontinence in Women Neşe KISKAÇ, Muharrem KISKAÇ; İstanbul, Türkiye
- The Effect of Manual Pressure Applied on Infants Before Vaccine Injection on Pain Level and Crying Time

Zeynep ERKUT, Selmin KÖSE, Fatma DUMANDAĞ; İstanbul, Türkiye

Evaluation of The Effect of Different Polyetheretherketone Materials on Biofilm Formation:

An *in vitro* Study

Sibel KAYAALTI-YÜKSEK, Kevser ATALIK, Begüm KARADEMİR, Serkan SARIDAĞ, Ayşe Demet KAYA, Kübra DEĞİRMENCİ; İstanbul, Bolu, Türkiye

198 Forensic Geriatric Trauma Cases

Erdem HÖSÜKLER, Zehra Zerrin ERKOL; Bolu, Türkiye

Retrospective Investigation of The Relationship Between Coronal Restoration and Quality of Root Canal Fillings and Apical Periodontitis in a Specific Turkish Population

Merve GÖKYAR, Nimet GENÇOĞLU; İstanbul, Türkiye

Clinical Importance of the First Trimester Uterine Artery Doppler Measurements in Patients with Hyperemesis Gravidarum

Mustafa MARAŞLI, Esra KELEŞ, Pınar YILDIZ, Mehmet Mete KIRLANGIÇ, Rezzan Berna BAKİ, Emre MAT, Gazi YILDIZ, İlknur ADANIR, Banu DANE; İstanbul, Türkiye

Orthodontic Materials Interacting with Fifth Generation (5G) Electromagnetic Waves
Banu KILIÇ, Hasan Yasin ÜNAL, Esma EKİNCİ; İstanbul, Türkiye; Frankfurt, Germany



CONTENTS

- Evaluation of the Physical Properties of Different Bioceramic-Based Root Canal Sealers
 Deniz Burcu Mert, Nimet Gençoğlu; İstanbul, Türkiye
- Sleep Problems and Influencing Factors in Children Aged 0-3 Years

 Merve AZAK, Nihan KORKMAZ, Kadriye ŞAHİN, Serap BALCI; İstanbul, Muğla, Şanlıurfa, Türkiye
- Effect of Eight Weeks of Reformer Pilates on Shoulder Proprioception Dynamic Stability and Functionality

Turgay ALTUNALAN, Mahmut ÇALIK, Merve KAPANŞAHİN; Trabzon, Ankara, İstanbul, Türkiye

Morphological, Fractal, and Textural Features of the Mandible in Familial Mediterranean Fever Patients:

A Case-control Study

Melek TASSOKER, Muhammet Üsame ÖZİÇ, Büşra ÖZTÜRK; Konya, Denizli, Türkiye

Case Report

Unilateral Optic Disc Neovascularization in a Patient with Optic Disc Pit Depending on Proliferative Diabetic Retinopathy

Atilla ŞAHİN, Cansu EKİNCİ ASLANOĞLU, Hakan ÖZDEMİR; İstanbul, Türkiye

Reviews

Possible Effects of Immunosuppressive Therapy on Male Fertility and Pregnancy Outcomes After Paternal Exposure in Kidney Transplant Patients

Ersan HOROZ, İsmail YILMAZ, Yusuf Özlem İLBEY; İzmir, İstanbul, Türkiye

- Approach to Fibromyalgia and the Role of Phytotherapy in Treatment Adem AKÇAKAYA; İstanbul, Türkiye
- 279 Erratum