E- ISSN: 2148-9505

TURKISH JOURNAL OF ORTHODONTICS



The Official Journal of Turkish Orthodontic Society



Volume	37
Issue	03
September	2024



ORTHODONTICS



Owner

Derya Germeç Çakan

Department of Orthodontics, Yeditepe University School of Dentistry, İstanbul, Turkey

Editor in Chief

Çağla Şar

Department of Orthodontics, Istanbul Health and Technology University School of Dentistry, Istanbul, Turkey ORCID ID: 0000-0003-4966-9779

Associate Editors

Furkan Dindaroğlu

Department of Orthodontics, Ege University School of Dentistry, İzmir, Turkey ORCID ID: 0000-0003-4456-3115

Feyza Eraydın

Department of Orthodontics, Kent University School of Dentistry, İstanbul, Turkey ORCID ID: 0000-0002-7791-6979

Seden Akan Bayhan

Department of Orthodontics, Yeditepe University School of Dentistry, İstanbul, Turkey ORCID ID: 0000-0001-7955-3086

Editorial Board

Alpdoğan Kantarcı

Department of Periodontology, The Forsyth Institute, Boston, MA, USA

Ayça Arman Özçirpici

Department of Orthodontics, Baskent University, Ankara, Turkey

Björn Ludwig

Department of Orthodontics, University of Saarland, Homburg/Saar, Germany

Calogero Dolce

Department of Orthodontics, University of Florida, Florida, USA

Ludovica Nucci

Multidisciplinary Department of Medical-Surgical and Dental Specialties, University of Campania "Luigi Vanvitelli", Via Luigi de Crecchio 6, 80138 Naples, Italy

Flavio Uribe

Department of Orthodontics, University of Connecticut School of Dental Medicine, Farmington, CT, USA

Guiseppe Scuzzo

Department of Orthodontics, University of Ferrara, Ferrara, Italy

Jeffrey P. Okeson

Division of Orofacial Pain, University of Kentucky, Lexington, USA

Lorenzo Franchi

 $Department\ of\ Orthodontics,\ University\ of\ Firenze,\ Firenze,\ Italy$

Luc Dermaul

Department of Orthodontics, University of Ghent, Ghent, Belgium

Martin Palomo

Department of Orthodontics, Case Western Reserve University, Cleveland, Ohio, USA

Mehmet Ali Darendeliler

Department of Orthodontics, University of Sydney, Sydney, Australia

Metin Orhan

Department of Orthodontics, Ankara Yıldırım Beyazıt University, Ankara, Turkey

Moschos A.Papadopoulos

 $Department\ of\ Orthodontics,\ Aristotle\ University,\ Thessaloniki,\ Greece$

Neslihan Üçüncü

Department of Orthodontics, Gazi University, Ankara, Turkey

Ömür Polat Özsoy

Department of Orthodontics, Baskent University, Ankara, Turkey

Pertti Pirttiniemi

Department of Orthodontics, University of Oulu, Oulu, Finland

Ravindra Nanda

Department of Orthodontics, University of Connecticut, Farmington, USA

Salenos Salenos

Publisher Contact

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

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

Printing Date: September 2024 E-ISSN: 2148-9505 International scientific journal published quarterly.



ORTHODONTICS



Editorial Board

Seher Gündüz Arslan

Department of Orthodontics, Dicle University, Diyarbakır, Turkey

Selma Elekdağ Türk

Department of Orthodontics, Ondokuz Mayıs University, Samsun, Turkey

Sema Yüksel

Department of Orthodontics, Gazi University, Ankara, Turkey

Tülin Taner

Department of Orthodontics, Hacettepe University, Ankara, Turkey

Ufuk Toygar Memikoğlu

Department of Orthodontics, Ankara University, Ankara, Turkey

Melih Motro

Department of Orthodontics and Dentofacial Orthopedics, Boston University, Boston, USA

Timur Köse

Department of Biostatistics and Medical Informatics, Ege University, İzmir, Turkey

Please refer to the journal's webpage (https://turkjorthod.org/) for "Ethical Policy", "Instructions to Authors" and "About Us".

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the ICMJE, WAME, CSE, COPE, EASE, and NISO. Turkish Journal of Orthodontics is indexed in PubMed Central, Web of Science-Emerging Sources Citation Index, DOAJ, Scopus, CNKI, Gale, EBSCO and TUBITAK ULAKBİM TR Index.

The journal is published online.

Owner: Derya Germeç Çakan on behalf of the Turkish Orthodontic Society

Responsible Manager: Çağla Şar Editor in Chief: Çağla Şar

Address: Sütlüce Mah. İmrahor Cad. No: 82 Beyoğlu, İstanbul/Turkey

Phone: +90 (212) 416 61 13 **E-mail:** info@turkjorthod.org



ORTHODONTICS



Original Articles

- 140 Effect of Different Liquids and Thermal Aging Procedures on the Shear Bond Strength of APC II, APC Flash-Free, and Conventional Ceramic Brackets: An *In Vitro* Study
 - Hasan Camcı, Şeyda Canbaz Çevik
- 146 Evaluation of Maxillary Protraction Using a Mini Screw-Retained Palatal C-Shaped Plate and Face Mask Mohamed Abdallah Elsaharty, Safaa Ali Ghobashi, Eman El-Shorbagy
- 153 Evaluation of the Effects of Orthopedic Treatment on the Dentofacial Structure and Upper Airway of Subjects with Skeletal Class III Malocclusion
 - Hilal Kan, Tevfik Sözen, Oğuz Öğretmenoğlu, Semra Ciğer
- 162 Evaluation of the Effects of TENS Therapy and Acetaminophen on Pain Alleviation in Initial Orthodontic Treatment
 - Kunal Sharma, Rajiv Ahluwalia, Stutee Grewal, Tina Chugh
- 168 Corrosion Behavior of Nickel-Titanium Arch Wires Following the Use of Different Mouthwashes: An *In Vivo* Study
 - Gonca Yıldırım, Feyza Eraydın, Didem Nalbantgil
- 174 Pain Perception, Knowledge, Attitude, and Diet Diversity in Patients Undergoing Fixed Orthodontic Treatment: A Pilot Study
 - Mok E-Vien, Ummi Sofia Binti Abdul Rahman, Snigdha Misra, Kirti Saxena
- 182 Pharyngeal Airway Space Changes after Single Mandibular and Two-Jaw Surgery in Patients with Skeletal Class II Malocclusion
 - Nurver Karslı, Ayşe Tuba Altuğ
- 193 Bibliometric Analysis of Maxillary Expansion Publications Trends
 - Ali Kiki, Alper Özdoğan, Muhammed Abdullah Kiki, Yavuz Selim Genç