

e-ISSN: 2980-1389

JDSE



Journal of Dental Sciences and Education



EDITOR-IN-CHIEF

Assoc. Prof. Elif Pınar BAKIR

Department of Restorative Dentistry, Faculty of Dentistry, Dicle University, Diyarbakır, TURKEY

ASSOCIATE EDITORS-IN-CHIEF

Assist. Prof. Merve YENİÇERİ ÖZATA

Department of Endodontics, Faculty of Dentistry, Dicle University, Diyarbakır, TURKEY

Assist. Prof. Zehra SUSGUN YILDIRIM

Department of Restorative Dentistry, Çukurova University, Adana, TURKEY

EDITORS

Assist. Prof. Eyyüp ALTINTAŞ

Department of Prosthetic Dentistry, Faculty of Dentistry, Fırat University, Elazığ, TURKEY

Spec. Yeşim AYLA

Department of Endodontics, Kapadokya University, Faculty of Dentistry, Nevşehir, TURKEY

EDITORIAL BOARD

Assist. Prof. Abdurrahman YALÇIN

Department of Restorative Dentistry, Faculty of Dentistry, Batman University, Batman, TURKEY

Assist. Prof. Ayşe RENÇBER

Department of Prosthetic Dentistry, Faculty of Dentistry, Fırat University, Elazığ, TURKEY

Spec. Candan AYDIN HOŞ

Department of Restorative Dentistry, Faculty of Dentistry, Bolu Abant İzzet Baysal University, Bolu, TURKEY

Assist. Prof. Cansu YIKICI

Department of Restorative Dentistry, Faculty of Dentistry, Lokman Hekim University, Ankara, TURKEY

Assist. Prof. Demet Süer TÜMEN

Department of Orthodontics, Faculty of Dentistry, Dicle University, Diyarbakır, TURKEY

Spec. Diler DENİZ

Department of Prosthetic Dentistry, Faculty of Dentistry, Hacettepe University, Ankara, TURKEY

Assist. Prof. Ebru AKLEYİN

Department of Pediatric Dentistry, Dicle University, Faculty of Dentistry, Diyarbakır, TURKEY

Assist. Prof. Emin Caner TÜMEN

Department of Pediatric Dentistry, Faculty of Dentistry, Dicle University, Diyarbakır, TURKEY

Prof. Filiz ACUN KAYA

Department of Periodontology, Faculty of Dentistry, Fırat University, Elazığ, TURKEY

Assist. Prof. Kübra Yıldız DOMANIÇ

Department of Prosthetic Dentistry & Dental Prosthesis Technology Programme, Vocational School of Health Services, Fenerbahçe University, İstanbul, TURKEY

Assist. Prof. Melek ATİLLE

Department of Periodontology, Faculty of Dentistry, Fırat University, Elazığ, TURKEY

Assist. Prof. Mustafa Orkun ERTUĞRUL

Department of Restorative Dentistry, Faculty of Dentistry, Atlas University, İstanbul, TURKEY

Assist. Prof. Nurullah DÜĞER

Department of Periodontology, Faculty of Dentistry, Firat University, Elazığ, TURKEY

Assist. Prof. Ömer CELLİK

Department of Restorative Dentistry, Faculty of Dentistry, Adiyaman University, Adiyaman, TURKEY

Prof. S. Zelal ÜLKÜ

Department of Prosthetic Dentistry, Faculty of Dentistry, Dicle University, Diyarbakır, TURKEY

Assist. Prof. Savaş SAĞMAK

Department of Restorative Dentistry, Faculty of Dentistry, Adiyaman University, Adiyaman, TURKEY

Spec. Seda FALAKALOĞLU

Department of Endodontics, Faculty of Dentistry, Afyonkarahisar Health Sciences University, Afyon, TURKEY

Assist. Prof. Sema YAZICI AKBIYIK

Department of Restorative Dentistry, Faculty of Dentistry, Lokman Hekim University, Ankara, TURKEY

Assist. Prof. Şeyhmus BAKIR

Department of Restorative Dentistry, Faculty of Dentistry, Dicle University, Diyarbakır, TURKEY

Assist. Prof. Sinem COŞKUN

Department of Oral And Maxillofacial Radiology, Faculty of Dentistry, Lokman Hekim University, Ankara, TURKEY

LANGUAGE EDITOR

Assoc. Prof. Esra GÜZEL TANOĞLU

Department of Molecular Biology and Genetics, Institute of Health Sciences, University of Health Sciences, İstanbul, TURKEY

STATISTICS EDITOR

Assoc. Prof. Turgut KÜLTÜR

Department of Physical Therapy and Rehabilitasyon, Faculty of Medicine, Kırıkkale University, Kırıkkale, TURKEY

Dear Colleagues,

It is with great pleasure that I welcome you to the fourth issue of our peer-reviewed academic journal named, Journal of Dental Sciences and Education (JDSE). In this fourth issue, reviews of new developments in the field of dentistry and original researches are included. One of our most important goals is to mediate appropriately the sharing of knowledge and experience among dental professionals, researchers and academicians. In this issue, we share with you six articles covering various topics in dentistry.

Our first article of the journal “*Effect of different tea solutions on the color stability of composite resins*” is an original article and the authors aimed to compare the color stability of composite resins and evaluate them. The second article “*Can a new cooling method be used in dental implant drilling? An in vitro pilot study*” is an original article. The authors have evaluated the effectiveness of the CryoKB cooling method in increasing the heat-induced temperature during implant drilling in bovine femur bone and to determine its potential usefulness for future in vivo studies. The third article “*An overview to biocompatibility of resin based restorative materials*” is a review article. The authors argue that the basic concepts and methods related to biocompatibility, to present data from studies on the cytotoxicity of resin-based materials, and finally to make recommendations for clinical application. The fourth article “*The importance of treating dental caries in the prevention of medication related osteonecrosis of the jaw*” another a review article. The fifth article , “*Management of initial and surgical management of amlodipine-induced gingival enlargement with multifactorial etiology: a case report with 6 months follow-up*”. Finally, the sixth article “*Creating smile aesthetics by using crown lengthening and upper lip repositioning surgical operations together in a gingival smile case: a case report*” is a case report. The authors aimed to diagnose gingival smile and explain the treatment of excessive gingival appearance due to vertical maxillary excess and hypermobile upper lip with crown lengthening and upper lip repositioning surgeries.

I would like to thank the authors, reviewers, editorial team and publisher for their hard work and dedication in bringing this fourth issue to fruition. We look forward to providing you with the latest insights and developments in dentistry, and we welcome your feedback and suggestions

Sincerely,

Assoc. Prof. Elif Pınar BAKIR, PhD
Editor-in-Chief

Volume: 1 Issue: 4 Year: 2023

ORIGINAL ARTICLES

Effect of different tea solutions on the color stability of composite resins..... 101-104
Yazıcı Akbıyık S, Bakır Ş, Bakır EP, Polat G.

Can a new cooling method be used in dental implant drilling? An in vitro pilot study 105-108
Barış K, Hendek Karşıyaka M, Olgun E.

REVIEW

An overview to biocompatibility of resin based restorative materials 109-116
Avcılar İH, Bakır Ş, Bakır E.

The importance of treating dental caries in the prevention of medication related osteonecrosis of the jaw 117-122
Salık M, Bakır EP.

CASE REPORT

Management of initial and surgical management of amlodipine-induced gingival enlargement with multifactorial etiology: a case report with 6 months follow-up..... 123-126
Akdeniz C, Güler Doğru A.

Creating smile aesthetics by using crown lengthening and upper lip repositioning surgical operations together in a gingival smile case: a case report 127-130
Akdeniz C, Güler Doğru A.
