



www.hipsurgeryjournal.org

Founder and Editor-in Chief

Assoc. Prof. Onur Hapa, MD
Dokuz Eylül University Faculty of Medicine,
Department of Orthopedic Surgery
ORCID: 0000-0001-8154-658X
onurhapa@gmail.com

Editors

Assoc. Prof. Ahmet Karakaşlı, MD
Dokuz Eylül University Faculty of Medicine,
Department of Orthopedic Surgery
ORCID: 0000-0003-4049-954X
karakasliahmet@gmail.com

Assoc. Prof. Özkan Köse, MD
Antalya Research Hospital,
Department of Orthopedic Surgery
ORCID: 0000-0002-7679-9635
drozkankose@hotmail.com

Assoc. Prof. Orhan Kalemci
Dokuz Eylül University Faculty of Medicine,
Department of Neurosurgery
ORCID: 0000-0002-8607-6860
okalemci@gmail.com

Assistant Editor

Onur Gürsan, MD
Dokuz Eylül University Faculty of Medicine,
Department of Orthopedic Surgery
ORCID: 0000-0002-6356-3834
onur_84_gursan@hotmail.com

Statistic Editor

Prof. Hülya Ellidokuz, MD
Dokuz Eylül University Faculty of Medicine,
Department of Biostatistics and Medical Informatics, İzmir
ORCID: 0000-0001-8503-061X
hulya.ellidokuz@deu.edu.tr

Administrative Office

Naskon panorama konutları C-9 / Narbel, Narlıdere, İzmir

Language Editors

Kübra EFEGİL

Graphics

Soner Günel
soner@diamedajans.com

Publication Assistant

Yonca Demirkaya
diamed@diamedajans.com

Publication Type

Local Periodicals

Publisher

Diamed Ajans
Bozhöyük Cad. 17322 Ada 157. Sk. C3-5 Blok, D. 5
Eryaman - Ankara



Tel: 0537 502 88 87
Web: www.diamedajans.com

e-ISSN: 2717-946X | Year:2021 | Volume: 1 | Issue: 3

TÜRKİYE KALÇA CERRAHİSİ DERGİSİ

Turkish Journal of Hip Surgery

Türkiye Kalça Cerrahisi Dergisi

Dergi dört ayda bir yılda 3 sayı (Mart, Temmuz, Kasım) olarak yayımlanan açık erişim, ücretsiz ve hakemli bir dergidir.

Yayın politikaları ve yazım rehberine www.hipsurgeryjournal.org adreslerinden ulaşılabilir.

Turkish Journal of Hip Surgery

It is published three times a year (March, July, November)
TJHS is an open access, free and pre-reviewed Journal

You can reach publication policies and writing guide from
www.hipsurgeryjournal.org

©Her hakkı saklıdır. Bu dergide yer alan yazı, makale, fotoğraf ve illüstrasyonların elektronik ortamlarda dahil olmak üzere kullanma ve çoğaltılma hakları Türkiye Kalça Cerrahisi Dergisi'ne aittir. Materyallerin tamamının ya da bir bölümünün çoğaltılması için yazılı izin gerekmektedir. Dergi Basım Meslek İlkeleri'ne uymaktadır.

©All rights are reserved. Rights to the use and reproduction, including in the electronic media, of all communications, papers, photographs and illustrations appearing in this journal belong to Turkish Journal of Hip Surgery. Reproduction without prior written permission of part or all of any material is forbidden. The journal complies with the Professional Principles of the Press.



Danışma Kurulu / Advisory Board

Prof. Dr Emre Acaroğlu, MD.

Ankara Memorial Hospital,
Orthopedic Surgery

Assoc. Prof. Emrah Ahmet Açıkan MD.

Balıkesir University,
Department of Orthopedic Surgery

Prof. Burak Akan MD.

Ufuk University, Faculty of Medicine,
Orthopedics and Traumatology

Prof. Cemalettin Aksoy MD.

Hacettepe University,
Department of Orthopedic Surgery

Prof. Ertuğrul Akşahin MD.

Yüksek İhtisas University,
Department of Orthopedics

Prof. Mehmet Arazi MD.

Farabi Clinic Konya,
Department of Orthopedic Surgery

Prof. Tolga Atay MD.

Süleyman Demirel University,
Orthopedics and Traumatology

Assoc. Prof. Bahattin Kerem Aydın MD.

Selçuk University Faculty of Medicine,
Orthopedics and Traumatology

Prof. Semih Aydoğdu MD.

Ege University Faculty of Medicine,
Department of Orthopedic Surgery

Prof. İbrahim Azboy MD.

Istanbul Medipol University,
Department of Orthopedic Surgery

Prof. Ali Balcı MD.

Dokuz Eylül University, Radiology

Ceyhan Balcı MD.

Private Medical Center,
Orthopedics and Traumatology

Alan Barber MD.

Plano Orthopedic and Sports Medicine Center

Assoc. Prof. Kerem Başarır

Ankara University,
Orthopedics and Traumatology

Prof. Metin Lütfi Baydar MD.

Süleyman Demirel University,
Department of Orthopedic Surgery

Prof. Recep Bekiş MD.

Dokuz Eylül University,
Department of Nuclear Medicine

Prof. Ali Biçimoğlu MD

Health Sciences University Ankara City
Hospital, Department of Orthopedic Surgery

Sarper Çetinkaya MD.

Private Practice,
Orthopedics and Traumatology

Prof. Emre Çullu MD.

Adnan Menderes University,
Department of Orthopedic Surgery

Prof. Bahtiyar Demiralp MD.

Private Practice, Orthopedic Surgeon

Assoc. Prof. Demirhan Nihat Demirkıran MD.

Kutahya University of Health Sciences,
Orthopedics and Traumatology

Prof. Gülten Diniz MD.

İzmir Demokrasi University, Pathology

Prof. Dr. Mahmut Nedim Doral MD.

Ufuk University, Faculty of Medicine
Orthopedics and Traumatology

Assoc. Prof. Ömer Faruk Erkoçak

Selçuk University Faculty of Medicine
Orthopedics and Traumatology

Prof. Ahmet Fırat MD.

Health Sciences University Ankara City
Hospital, Department of Orthopedic Surgery

Prof. Dr. Murat Gökden, MD.

University of Arkansas Medical Sciences,
Pathology

Mehmet Gökmen MD.

H.S.U. Okmeydanı Training and Research
Hospital, Orthopedics and Traumatology

Prof. Dr. Berk Güçlü MD.

Ufuk University, Faculty of Medicine
Orthopedics and Traumatology



www.hipsurgeryjournal.org

Danışma Kurulu / Advisory Board

III

Assoc. Prof. Cüneyd Günay MD.

Eskişehir Osmangazi University,
Orthopedics and Traumatology

Prof. Hasan Hallaçeli MD.

Hatay Mustafa Kemal University,
Orthopedics

Prof. Hasan Havitçioğlu MD

Dokuz Eylül University
Department of Orthopedic Surgery

Prof. Mustafa İnan MD.

Trakya University Faculty of Medicine,
Pediatric Surgery

Prof. Ulunay Kanatlı MD.

Gazi University,
Department of Orthopedic Surgery

Prof. Osman Karaoğlu MD.

Dokuz Eylül University,
Department of Orthopedic Surgery

Prof. Leyla İyilikçi Karaoğlu MD.

Dokuz Eylül University, Department of
Anesthesiology and Reanimation

Prof. Gamze Çapa Kaya MD.

Dokuz Eylül University Faculty of Medicine,

Prof. Kasım Kılıçarslan MD.

University of Health Sciences, Ankara City
Hospital Orthopedics and Traumatology

Rob F. Laprade, MD,

Twin Cities Orthopedics,
Department of Orthopedic Surgery

Prof. Dr. Veli Lök, MD.

Private Practice, Orthopedic Surgeon

Sanjeev Madan MD.

Sheffield Children's Hospital and Doncaster
and Bassetlaw Teaching Hospitals,
Department of Orthopedic Surgery

Dean Matsuda, MD.

Marina del Ray Hospital,
Department of Orthopedic Surgery

A. Murat Mete PhD.

İzmir Tınaztepe University,
Department of Library and Documentation

Assoc. Prof. Güzelali Özdemir MD.

Health Sciences University
Ankara City Hospital,
Department of Orthopedic Surgery

Prof. Dr. Ercan Özer MD.

Dokuz Eylül University,
Department of Neurosurgery

Prof. Dr. Şermin Özkal MD.

Dokuz Eylül University Faculty of Medicine,

Assoc. Prof. Ramadan Özmanevra MD.

University of Kyrenia, Faculty of Medicine
Orthopedics and Traumatology

Assoc. Prof. Murad Pepe MD.

Alanya Educational Research Hospital,
Orthopedics and Traumatology

Tanju Surmeli MD.

Psychiatry

Prof. Dr. Hasan Tatari, MD.

Dokuz Eylül University
Department of Orthopedic Surgery

Prof. İbrahim Tuncay

Bezmialem Vakıf University
Faculty of Medicine,
Department of Orthopedic Surgery

Prof. Osman Yılmaz PhD.

Dokuz Eylül University Faculty of Medicine,
Department of Experimental Medicine

Prof. Dr. Bülent Serhan Yurtlu, MD

Dokuz Eylül University, Department of
Anesthesiology and Reanimation