

ZK

ISSN 1300-7971 e-ISSN 2148-4864

Volume: 52 Number: 2 Year: 2021

ZEYNEP KAMIL MEDICAL JOURNAL

Formerly Zeynep Kamil Tıp Bülteni

Obstetrics and Gynecology
Pediatrics and Pediatric Surgery

www.zeynepkamilmedj.org



EDITORIAL BOARD

EDITOR-IN-CHIEF

Semra KAYATAŞ ESER, MD

University of Health Science, İstanbul, Turkey

EDITORS

Ayşenur CELAYİR, MD

University of Health Science, İstanbul, Turkey

Pınar KUMRU, MD

University of Health Science, İstanbul, Turkey

Rabia Gönül SEZER YAMANEL, MD

University of Health Science, İstanbul, Turkey

SECTION EDITORS

Murat APİ, MD

Gynecological Oncology

University of Health Science, İstanbul, Turkey

Oya DEMİRCİ, MD

Perinatology

University of Health Science, İstanbul, Turkey

Ebru ÇÖGENDEZ, MD

Reproductive Endocrinology

University of Health Science, İstanbul, Turkey

Güner KARATEKİN, MD

Neonatology

University of Health Science, İstanbul, Turkey

Nilüfer ELDEŞ HACİFAZLIOĞLU, MD

Child Neurology

University of Health Science, İstanbul, Turkey

Mustafa ÇAKAN, MD

Children's Rheumatology

University of Health Science, İstanbul, Turkey

PUBLISHER

Kare Publishing

Address: Dumlupınar Mah., Cihan Sok., No: 15, Concord İstanbul, B Blok 162, Kadıköy, İstanbul, Turkey

Phone: +90 216 550 61 11

Fax: +90 216 550 61 12

E-mail: kare@karepb.com



PUBLISHING MANAGER

Pınar KUMRU, MD

University of Health Science, İstanbul,
Turkey

ENGLISH EDITING

Ayşe Selma DAĞTAŞ

BIOSTATISTICS

Pınar KUMRU, MD

University of Health Science, İstanbul,
Turkey

INTERNATIONAL ADVISORY BOARD

Alberto PENA, MD

Ali KUCUKMETİN, MD

United Kingdom

Aspazija SOFIJANOVA, MD

North Macedonia

Aytan Kamal MAMMADBAYLI, MD

Azerbaijan

Camila KURBANOVA, MD

Azerbaijan

Dilorom I. AKHMEDOVA, MD

Uzbekistan

Emre SELİ, MD

United States of America

Fahrija SKOKIC, MD

Bosnia and Herzegovina

Jorge CARRILLO, MD

United States of America

Juan Diego VILLEGAS, MD

Colombia

Kubilay ERTAN, MD

Germany

Sagynbu ABDUVALIEVA, MD

Kyrgyzstan

EDITORIAL BOARD / ADVISORY BOARD

Abdullah YILDIZ, MD

University of Health Science, İstanbul,
Turkey

Abdülkadir BOZAYKUT, MD

University of Health Science, İstanbul,
Turkey

Ahmet ESER, MD

University of Health Science, İstanbul,
Turkey

Ahmet Zeki IŞIK, MD

Ali İhsan DOKUCU, MD

University of Health Science, İstanbul,
Turkey

Ali KARAMAN, MD

University of Health Science, İstanbul,
Turkey

Arzu ŞENCAN, MD

Health Sciences University, İzmir, Turkey

Ayşe KARAMAN, MD

Ankara City Hospital, Ankara, Turkey

Ayşenur CELAYİR, MD

University of Health Science, İstanbul,
Turkey

Aytekin KAYMAKÇI, MD

University of Health Science, İstanbul,
Turkey

Baha ORAL, MD

Süleyman Demirel University, Isparta,
Turkey

Barış ATA, MD

Koç University, İstanbul, Turkey

Belgin DEVRANOĞLU, MD

University of Health Science, İstanbul,
Turkey

Bülent Taner KARADAĞ, MD

Marmara University, İstanbul, Turkey

Canan KABACA KOCAKUŞAK, MD

University of Health Science, İstanbul,
Turkey

Cem FIÇICIOĞLU, MD

Acıbadem University, İstanbul, Turkey

Cem DEMİREL, MD

Memorial Hospital, İstanbul, Turkey

Cenk BÜYÜKÜNAL, MD

İstanbul University-Cerrahpaşa,
Cerrahpaşa Faculty of Medicine, İstanbul,
Turkey

Çetin Ali KARADAĞ, MD

University of Health Science, İstanbul,
Turkey

Çetin KILIÇCI, MD

University of Health Science, İstanbul,
Turkey

Çiğdem YAYLA ABİDE, MD

University of Health Science, İstanbul,
Turkey

Derya BÜYÜKAYHAN, MD

University of Health Science, İstanbul,
Turkey

Ebru ÇÖĞENDEZ, MD

University of Health Science, İstanbul,
Turkey

Ecmel KAYGUSUZ, MD

University of Health Science, İstanbul,
Turkey

Elif ÖZALKAYA, MD

University of Health Science, İstanbul,
Turkey

Elif Yüksel KARATOPRAK, MD

Medeniyet University, İstanbul, Turkey

Enis ÖZKAYA, MD

University of Health Science, İstanbul,
Turkey

Erbil ÇAKAR, MD

University of Health Science, İstanbul,
Turkey

Erdal SARI, MD

University of Health Science, İstanbul,
Turkey

Erkut ATTAR, MD

Yeditepe University, İstanbul, Turkey

Esra ESİM BÜYÜKBAYRAK, MD

Marmara University, İstanbul, Turkey

Evrin BOSTANCI ERGEN, MD

University of Health Science, İstanbul,
Turkey

Fahri OVALI, MD

Medeniyet University, İstanbul, Turkey

Fuat DEMİRCİ, MD

University of Health Science, İstanbul,
Turkey

Gürkan BOZDAĞ, MD

Hacettepe University, Ankara, Turkey

Handan ÇETİNER, MD

University of Health Science, İstanbul,
Turkey

İlhan ŞANVERDİ, MD

University of Health Science, İstanbul,
Turkey

İlke ÖZAHİ, MD

Medipol University, İstanbul, Turkey

Levent ELEMEN, MD

University of Health Science, İstanbul,
Turkey

Mahmut DOĞRU, MD

Mehmet ELİÇEVİK, MD

İstanbul University-Cerrahpaşa,
Cerrahpaşa Faculty of Medicine, İstanbul,
Turkey

Melih AKIN, MD

University of Health Science, İstanbul,
Turkey

Murat APİ, MD

University of Health Science, İstanbul,
Turkey

Mustafa ÇAKAN, MD

University of Health Science, İstanbul,
Turkey

Mustafa EROĞLU, MD

University of Health Science, İstanbul,
Turkey

Münevver HOŞGÖR, MD

Health Sciences University, İzmir, Turkey

Müşerref Banu YILMAZ, MD

University of Health Science, İstanbul,
Turkey

Nazmiye Nilgün KARADAĞ, MD

University of Health Science, İstanbul,
Turkey

Nilüfer ELDEŞ HACİFAZLIOĞLU, MD

University of Health Science, İstanbul,
Turkey

Oktav BOSNALI, MD

University of Health Science, İstanbul,
Turkey

Olcay ÜNVER, MD

Marmara University, İstanbul, Turkey

Orkan ERGÜN, MD

Ege University Faculty of Medicine, İzmir,
Turkey

Oya DEMİRCİ, MD

University of Health Science, İstanbul,
Turkey

Pınar KUMRU, MD

University of Health Science, İstanbul,
Turkey

Rabia GÖNÜL SEZER YAMANEL, MD

University of Health Science, İstanbul,
Turkey

Recep HAS, MD

İstanbul University, İstanbul, Turkey

Sadık ŞAHİN, MD

University of Health Science, İstanbul,
Turkey

Selçuk AYAS, MD

Okan University İstanbul, Turkey

Selçuk ÖZDEN, MD

Sakarya University, Sakarya Turkey

Selim SANCAK, MD

University of Health Science, İstanbul,
Turkey

Semra KAYATAŞ ESER, MD

University of Health Science, İstanbul,
Turkey

Serdar MORALIOĞLU, MD

University of Health Science, İstanbul,
Turkey

Sevilay TOPÇUOĞLU, MD

University of Health Science, İstanbul,
Turkey

Sinan CELAYİR, MD

İstanbul University-Cerrahpaşa,
Cerrahpaşa Faculty of Medicine, İstanbul,
Turkey

Şirin GÜVEN, MD

University of Health Science, İstanbul,
Turkey

Taner YAVUZ, MD

Okan University, İstanbul, Turkey

Tuğrul TIRYAKI, MD

Ankara City Hospital, Ankara, Turkey

Tülay GÜRAN, MD

Marmara University, İstanbul, Turkey

Volkan Sarper ERİKÇİ, MD

Health Sciences University, İzmir, Turkey

Yakup KUMTEPE, MD

Atatürk University, Erzurum, Turkey

Zekeriya İLÇE, MD

University of Health Science, İstanbul,
Turkey