

EDITOR IN CHIEF

Dr. Haldun GÜNER, Prof., *Gazi University Emeritus, Ankara, Türkiye*

SECTION EDITORS

Ethics

Dr. Ayşegül ERDEMİR, Prof.

Maltepe University, İstanbul, Türkiye

Gynecologic Oncology

Dr. Mehmet Anıl ONAN, Prof.

Gazi University, Ankara, Türkiye

Infertility and Reproductive Endocrinology

Dr. Ahmet Başar TEKİN, Prof.

Eskişehir Osmangazi University, Eskişehir, Türkiye

Perinatology

Dr. Talat Umut Kutlu DİLEK, Prof.

Başkent University, İstanbul, Türkiye

ENGLISH LANGUAGE EDITOR

Dr. Çiğdem GEREKLİOĞLU, Assoc. Prof., *Başkent University, Adana, Türkiye*

CONSULTANT IN BIostatISTICS

Mehmet Onur KAYA, PhD, *Fırat University, Elazığ, Türkiye*

INTERNATIONAL EDITORIAL BOARD

- Dr. SHAMMA THWAINI AL INIZI, Dr., *South Tyneside District Hospital, Tyne and Wear, United Kingdom*
- Dr. TAGHREED ALHAIDARI, Prof., *University of Baghdad Al Kindy College of Medicine, Baghdad, Iraq*
- Dr. MARÍA MERCEDES PEREZ ALONZO, Dr., *Sociedad de Obstetricia y Ginecología de Venezuela, Miranda, Venezuela*
- Dr. ISLAM AMMAR, Assoc. Prof., *Zagazig University Hospital, Zagazig, Egypt*
- Dr. MEHMET ZEKİ AVCI, Prof., *Kıbrıs İlim University, Girne, Turkish Republic of Northern Cyprus*
- Dr. MICHAEL DAHAN, Ph.D. Academician, *McGill University, Montreal, Canada*
- Dr. ANGELOS DANIILIDIS, Assoc. Prof., *Aristotle University of Thessaloniki, Thessaloniki, Greece*
- Dr. SÍMONE FERRERO, Assoc. Prof., *University of Genoa, Liguria, Italy*
- Dr. RAHAMATOU MADELEÍNE GARBA, Prof., *Societe de Gynecologie et Obstetrique du Niger (SGON), Niamey, Niger*
- Dr. BHARTI GOEL, Prof., *Government Medical College & Hospital Chandigarh, Chandigarh, India*
- Dr. KLAUS GOESCHEN, Prof., *Leibniz Universität Hannover KVINNO Centre, Hannover, Germany*
- Dr. İSMET GÜN, Assoc. Prof., *Yakin Dogu University, Famagusta, Turkish Republic of Northern Cyprus*
- Dr. MANJEET KAUR, Assis. Prof., *Government Medical College & Hospital Chandigarh, Chandigarh, India*
- Dr. SREELATHA SAMPATH KUMAR, Prof., *ESI Hospital & Government Medical College, Tamil Nadu, India*
- Dr. DİMİTRİOS LOUTRADÍS, Prof., *National and Kapodistrian University of Athens, Athens, Greece*
- Dr. ANTONÍS MAKRÍGIANNAKIS, Prof., *University of Crete, Iraklion, Greece*
- Dr. JAÍDEEP MALHOTRA, Prof., *Rainbow Hospitals, Uttar Pradesh, India*
- Dr. ARUNA NIGAM, Prof., *Hamdard Institute of Medical Sciences & Research (HIMSR), Delhi, India*
- Dr. PETER PETROS, Prof., *University of Western Australia The Faculty of Medicine, Western Australia, Australia*
- Dr. ORVÍETO RAOUL, Prof., *Tel-Aviv University, Tel Aviv, Israel*
- Dr. GIAN CARLO DÍ RENZO, Prof., *Santa Maria della Misericordia University Hospital - Perugia, Perugia, Italy*
- Dr. SERDAR H URAL, Prof., *The Pennsylvania State University, Philadelphia, United States*
- Dr. MONEET WALIA, Prof., *Adesh University, Punjab, India*

NATIONAL EDITORIAL BOARD

- Dr. SEDAT AKGÖL, Assoc. Prof., *Diyarbakir Gazi Yasargil Egitim ve Arastirma Hastanesi, Diyarbakir, Turkey*
- Dr. AYŞE NUR AKSOY, Assoc. Prof., *University of Health Sciences, Erzurum, Turkey*
- Dr. İBRAHİM ALANBAY, Prof., *Lokman Hekim University, Ankara, Turkey*
- Dr. GÖKÇE ANIK İLHAN, Assoc. Prof., *Marmara University, İstanbul (Asya), Turkey*
- Dr. ALİ TANER ANUK, Assoc. Prof., *Buca Seyfi Demirsoy Egitim ve Arastirma Hastanesi, İzmir, Turkey*
- Dr. OLUŞ APİ, Prof., *Amerikan Hospital, İstanbul (Avrupa), Turkey*
- Dr. MURAT GÜRKAN ARIKAN, Prof., *Medical Park Bahcelievler Hospital, İstanbul (Avrupa), Turkey*
- Dr. RESUL ARISOY, Assoc. Prof., *Memorial Sisli Hastanesi, İstanbul (Avrupa), Turkey*
- Dr. MUSTAFA BARIŞ ATA, Prof., *Koc University, İstanbul (Avrupa), Turkey*
- Dr. CEMAL REŞAT ATALAY, Assoc. Prof., *Ankara Bilkent City Hospital, Ankara, Turkey*
- Dr. FUNDA ATALAY, Assoc. Prof., *University of Health Sciences, Ankara, Turkey*
- Dr. REMZİ ATILGAN, Prof., *Firat University, Elazığ, Turkey*
- Dr. RUKSET ATTAR, Prof., *Yeditepe University, İstanbul (Asya), Turkey*
- Dr. PETEK BALKANLI, Prof., *Medicana International Istanbul Hospital, İstanbul (Avrupa), Turkey*
- Dr. DENİZ BALSACK, Assoc. Prof., *Siirt University, Siirt, Turkey*
- Dr. MOŞE BENHABİB, Prof., *Acibadem International Hospital, İstanbul (Avrupa), Turkey*
- Dr. BÜLENT BERKER, Prof., *Ankara University, Ankara, Turkey*

Dr. TEVFİK TUGAN BEŞE, Prof., *Istanbul University-Cerrahpasa, İstanbul (Avrupa), Turkey*

Dr. İNCİM BEZİRCİOĞLU, Prof., *İzmir Ekonomi University, İzmir, Turkey*

Dr. AYÇA NAZLI BULUT, Assoc. Prof., *Buca Seyfi Demirsoy Eğitim ve Arastırma Hastanesi, İzmir, Turkey*

Dr. ÇETİN ÇELİK, Prof., *Selçuk University, Konya, Turkey*

Dr. MEHMET BİLGE ÇETİNKAYA, Prof., *Ondokuz Mayıs University, Samsun, Turkey*

Dr. ŞERİFE ESRA ÇETİNKAYA, Assoc. Prof., *Ankara University, Ankara, Turkey*

Dr. NUMAN ÇİM, Assoc. Prof., *University of Health Sciences, İstanbul (Avrupa), Turkey*

Dr. AYDIN ÇORAKÇI, Prof., *Kocaeli University, Kocaeli, Turkey*

Dr. EBRU ÇÖĞENDEZ, Assoc. Prof., *University of Health Sciences, İstanbul (Asya), Turkey*

Dr. İLKNUR ÇÖL MADENDAĞ, Assoc. Prof., *University of Health Sciences, Kayseri, Turkey*

Dr. HEDİYE DAĞDEVİREN, Assoc. Prof., *Istanbul Aydın University, İstanbul (Avrupa), Turkey*

Dr. CEM DANE, Prof., *Istinye University, İstanbul (Avrupa), Turkey*

Dr. RAMAZAN DANSUK, Prof., *Kırklareli University, Kırklareli, Turkey*

Dr. BÜLENT DEMİR, Prof., *Çanakkale Onsekiz Mart University, Çanakkale, Turkey*

Dr. ÖMER DEMİR, Assoc. Prof., *Karadeniz Teknik University, Trabzon, Turkey*

Dr. SELDA DEMİRCAN SEZER, Prof., *Aydın Adnan Menderes University, Aydın, Turkey*

Dr. SERDAR DİLBAZ, Prof., *University of Health Sciences, Ankara, Turkey*

Dr. SELEN DOĞAN, Assoc. Prof., *Akdeniz University, Antalya, Turkey*

Dr. MEHMET DOLANBAY, Prof., *Erciyes University, Kayseri, Turkey*

Dr. ÖZGÜR DÜNDAR, Prof., *Kadikoy Florence Nightingale Hospital, İstanbul (Asya), Turkey*

Dr. MURAT EKİN, Prof., *University of Health Sciences, İstanbul (Avrupa), Turkey*

Dr. AYŞE SEVAL ÖZGÜ ERDİNÇ, Prof., *University of Health Sciences, Ankara, Turkey*

Dr. AHMET METE ERGENOĞLU, Assoc. Prof., *Ege University, İzmir, Turkey*

Dr. RAHİME NİDA ERGİN, Prof., *Istanbul Okan University, İstanbul (Asya), Turkey*

Dr. ONUR EROL, Assoc. Prof., *Medstar Topcular Hastanesi, Antalya, Turkey*

Dr. ARİF AKTUĞ ERTEKİN, Prof., *Uskudar University, İstanbul (Asya), Turkey*

Dr. DEVRİM ERTUNÇ TOK, Prof., *Mersin University, Mersin, Turkey*

Dr. NESET CEM FIÇICIOĞLU, Prof., *Acibadem Kozyatagi Hospital, İstanbul (Asya), Turkey*

Dr. HÜSEYİN HÜSNÜ GÖKASLAN, Prof., *Ozel Academic Hospital, İstanbul (Asya), Turkey*

Dr. AYŞE GÜLER OKYAY, Prof., *Hatay Mustafa Kemal University, Hatay, Turkey*

Dr. HACER CAVİDAN GÜLERMAN, Prof., *University of Health Sciences, Ankara, Turkey*

Dr. İBRAHİM GÜLHAN, Assoc. Prof., *İzmir Tepecik Training and Research Hospital, İzmir, Turkey*

Dr. DAVUT GÜVEN, Assoc. Prof., *Ondokuz Mayıs University, Samsun, Turkey*

Dr. KADİR GÜZİN, Prof., *Ozel Medar Hastaneleri - Atasehir Hastanesi, İstanbul (Asya), Turkey*

Dr. BERNA HALİLOĞLU PEKER, Prof., *Maltepe University, İstanbul (Asya), Turkey*

Dr. HASAN ALİ İNAL, Assoc. Prof., *Antalya Training and Research Hospital, Antalya, Turkey*

Dr. ABDURRAHMAN HAMDİ İNAN, Assoc. Prof., *University of Health Sciences, İzmir, Turkey*

Dr. SUNA KABİL KUCUR, Assoc. Prof., *Marmara University, İstanbul (Asya), Turkey*

Dr. İNCİ KAHYAĞLU, Prof., *University of Health Sciences, Ankara, Turkey*

Dr. SERKAN KAHYAĞLU, Prof., *University of Health Sciences, Ankara, Turkey*

Dr. MİNE KANAT PEKTAŞ, Assoc. Prof., *Afyonkarahisar University of Health Sciences, Afyonkarahisar, Turkey*

Dr. MUSTAFA KARA, Prof., *Kirşehir Ahi Evran University, Kirşehir, Turkey*

Dr. MERİÇ KARACAN, Prof., *Istanbul Yeni Yuzyl University, İstanbul (Avrupa), Turkey*

Dr. NEDİM KARADADAŞ, Prof., *Ege University, İzmir, Turkey*

Dr. ABDULLAH KARAER, Prof., *Inonu University, Malatya, Turkey*

Dr. AYŞE YASEMİN KARAGEYİM KARŞIDAĞ, Prof., *Kirklareli University, Kirklareli, Turkey*

Dr. ERDAL KAYA, Prof., *University of Health Sciences, İstanbul (Avrupa), Turkey*

Dr. AYŞE GÜL KEBAPÇILAR, Assoc. Prof., *Selcuk University, Konya, Turkey*

Dr. PAKİZER BANU KILIÇOĞLU DANE, Prof., *İstanbul Basaksehir Cam ve Sakura Sehir Hastanesi, İstanbul (Avrupa), Turkey*

Dr. İDRİS KOÇAK, Prof., *Ondokuz Mayıs University, Samsun, Turkey*

Dr. ARİF KÖKÇÜ, Prof., *Medical Park Samsun Hospital, Samsun, Turkey*

Dr. MEHMET FARUK KÖSE, Prof., *Acibadem Mehmet Ali Aydınlar University, İstanbul (Avrupa), Turkey*

Dr. NUR GÖZDE KULHAN, Assoc. Prof., *University of Health Sciences, Konya, Turkey*

Dr. YÜKSEL KURBAN, Assoc. Prof., *Yukse İhtisas University, Ankara, Turkey*

Dr. ZEHRA KURDOĞLU, Prof., *Ankara Yıldırım Beyazıt University, Ankara, Turkey*

Dr. MERYEM KURU PEKCAN, Assoc. Prof., *Ankara Bilkent City Hospital, Ankara, Turkey*

Dr. MERT KÜÇÜK, Prof., *Mugla Sitki Kocman University, Muğla, Turkey*

Dr. MUSTAFA KÜÇÜK, Prof., *İstanbul Atlas University, İstanbul (Avrupa), Turkey*

Dr. YUSUF MADENDAĞ, Assoc. Prof., *Erciyes University, Kayseri, Turkey*

Dr. ÖZLEM MORALOĞLU TEKİN, Prof., *University of Health Sciences, Ankara, Turkey*

Dr. SÜLEYMAN CEMİL OĞLAK, Assoc. Prof., *University of Health Sciences, Diyarbakır, Turkey*

Dr. TAYLAN ONAT, Assoc. Prof., *Inonu University, Malatya, Turkey*

Dr. PELİN KUTSİYE ÖÇAL, Prof., *İstanbul University-Cerrahpasa, İstanbul (Avrupa), Turkey*

Dr. GÖKÇEN ÖRGÜL, Assoc. Prof., *Selcuk University, Konya, Turkey*

Dr. EMEL EBRU ÖZÇİMEN, Prof., *Baskent University, Konya, Turkey*

Dr. SELÇUK ÖZDEN, Prof., *Sakarya University, Sakarya, Turkey*

Dr. BATUHAN ÖZMEN, Prof., *Ankara University, Ankara, Turkey*

Dr. ZEYNEP ÖZTÜRK İNAL, Assoc. Prof., *Konya City Hospital, Konya, Turkey*

Dr. RECAİ PABUÇCU, Prof., *Ufuk University, Ankara, Turkey*

Dr. MEHMET MURAT SEVAL, Assoc. Prof., *Ankara University, Ankara, Turkey*

Dr. MEKİN SEZİK, Prof., *Suleyman Demirel University, Isparta, Turkey*

Dr. PINAR SOLMAZ HASDEMİR, Assoc. Prof., *Manisa Celal Bayar University, Manisa, Turkey*

Dr. SELDA SONGUR DAĞLI, Assoc. Prof., *Kirsehir Ahi Evran University, Kirsehir, Turkey*

Dr. SUNULLAH SOYSAL, Assoc. Prof., *Marmara University, İstanbul (Asya), Turkey*

Dr. MURAT SÖNMEZER, Prof., *Ankara University, Ankara, Turkey*

Dr. BANUHAN ŞAHİN, Assoc. Prof., *Amasya University, Amasya, Turkey*

Dr. ZEKİ ŞAHİNOĞLU, Assoc. Prof., *Anadolu Sağlık Merkezi Johns Hopkins Hastanesi, Kocaeli, Turkey*

Dr. YUSUF AYTAÇ TOHMA, Assoc. Prof., *Bahçeci Ankara IVF Center, Ankara, Turkey*

Dr. VEHBİ YAVUZ TOKGÖZ, Assoc. Prof., *Eskisehir Osmangazi University, Eskişehir, Turkey*

Dr. HARUN EGEMEN TOLUNAY, Assoc. Prof., *Yukse İhtisas University, Ankara, Turkey*

Dr. ABDULKADİR TURGUT, Prof., *İstanbul Medeniyet University, İstanbul (Asya), Turkey*

Dr. MUSTAFA ULUBAY, Assoc. Prof., *University of Health Sciences, Ankara, Turkey*

Dr. HİLAL USLU YUVACI, Assoc. Prof., *Sakarya University, Sakarya, Turkey*

Dr. ÖZLEM UZUNLAR, Prof., *University of Health Sciences, Ankara, Turkey*

Dr. MESUT ABDÜLKERİM ÜNSAL, Prof., *Canakkale Onsekiz Mart University, Çanakkale, Turkey*

Dr. İBRAHİM FERHAT ÜRÜNSAK, Prof., *Cukurova University, Adana, Turkey*

Dr. ÖMER TARIK YALÇIN, Prof., *Eskisehir Osmangazi University, Eskişehir, Turkey*

Dr. YAKUP YALÇIN, Assoc. Prof., *Bursa Uludag University, Bursa, Turkey*

Dr. AHMET YALINKAYA, Prof., *Dicle University, Diyarbakır, Turkey*

Dr. ETHEM SERDAR YALVAÇ, Prof., *Yozgat Bozok University, Yozgat, Turkey*

Dr. ÖMER ERKAN YAPÇA, Assoc. Prof., *Ataturk University, Erzurum, Turkey*

Dr. MURAT YAYLA, Prof., *Acibadem Mehmet Ali Aydınlar University, İstanbul (Avrupa), Turkey*

Dr. BÜLENT YILMAZ, Prof., *Recep Tayyip Erdogan University, Rize, Turkey*

Dr. AYŞE ENDER YUMRU, Assoc. Prof., *Istanbul Okan University, İstanbul (Asya), Turkey*

Dr. HASAN YÜKSEL, Prof., *Aydin Adnan Menderes University, Aydın, Turkey*

JCOOG Journal of Clinical Obstetrics & Gynecology

Journal of Clinical Obstetrics & Gynecology (J Clin Obstet Gynecol) is an international periodical on published on independent, unbiased, double-blinded and peer-review principles.

Journal of Clinical Obstetrics & Gynecology (J Clin Obstet Gynecol) is a refereed journal.

To send articles to Journal; click on "Online Article Submission" link at www.jcog.com.tr. For consideration, all articles must be submitted online. Articles submitted in other forms will not be considered.

Rules and regulations for manuscript writing; Clic on "editorial Policies" link at www.jcog.com.tr.

COMPLETE TITLE OF THE JOURNAL: Journal of Clinical Obstetrics and Gynecology

ISSN: 2619-9467

ABBREVIATED TITLE OF THE JOURNAL: J Clin Obstet Gynecol.

PREVIOUS TITLE OF THE JOURNAL: Türkiye Klinikleri Journal of Gynecology and Obstetrics [Online ISSN: 2146-9024]

PUBLICATION TYPE AND PERIODS: Journal of Clinical Obstetrics and Gynecology is published 4 times a year (March, June, September, December)

COPYRIGHT: All articles, drawings, figures and tables published in Journal of Clinical Obstetrics and Gynecology cannot be reproduced in whole or in part without prior written permission from the publisher. Only for scientific purposes summarizing and quotations can be done with the condition of proper citations listed as references. Responsibility of the articles, figures and photos belongs to authors. And advertising parties are fully responsible for their advertisements.

Journal of Clinical Obstetrics and Gynecology cannot be sold by second parties, but will be distributed to persons in the related fields of health through subscriptions.

INDEXED or ABSTRACTED in

- Directory of Open Access Journals (DOAJ): 2022
- Web Of Science - Emerging Sources Citation Index: 2020
- Directory of Open Access Journals (DOAJ): 2019 - 2021
- EBSCO/Academic Search Complete: 2017
- Index Copernicus: 2017 - 2020
- TUBITAK/ULAKBIM-TR Index: 2016
- EMBASE: 2010
- Scopus: 2010
- Türkiye Citation Index: 2008
- TUBITAK/ULAKBIM-TR Index: 2003 - 2004
- TUBITAK/ULAKBIM-TR Index: 2000 - 2000
- Türkiye Klinikleri Medical Database: 1991

For questions and comments;

Data Processing Department

Phone: +90 312 286 56 56 / 146

E-mail: bilgisistem@turkiyeklinikleri.com

For question regarding manuscripts;

Manuscript Editing Department

Phone: +90 312 286 56 56 / 146

E-mail: yazisleri@turkiyeklinikleri.com

To subscribe and to reach former issues of Türkiye Klinikleri Journals; click on "Online Subscription" at <http://www.turkiyeklinikleri.com/default/en-index.html>.

To subscribe;

Subscription and Public Relations Department

Phone: +90 312 286 56 56 / 146

E-mail: abone@turkiyeklinikleri.com

To place advertisements;

Marketing Sales-Project Department

Phone: +90 312 286 56 56 / 146

E-mail: pazarlama@turkiyeklinikleri.com

Publication Date: 06.06.2023



Türkiye Klinikleri

PUBLISHER

On behalf of Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi ve Ticaret A.Ş.

General Manager

Prof. Hikmet Akgül, MD

Administration Address

Türkocağı Cad. No:30 06520 Balgat/Ankara/Türkiye

Phone : 0 312 286 56 56

Fax : 0 312 220 04 70

e-mail : info@turkiyeklinikleri.com

web : www.turkiyeklinikleri.com

Sertifika No/Certificate No : 48768



Bu yayına www.dijitalakademi.org adresinden ücretsiz erişebilirsiniz.

You can access this publication for free on www.dijitalakademi.org