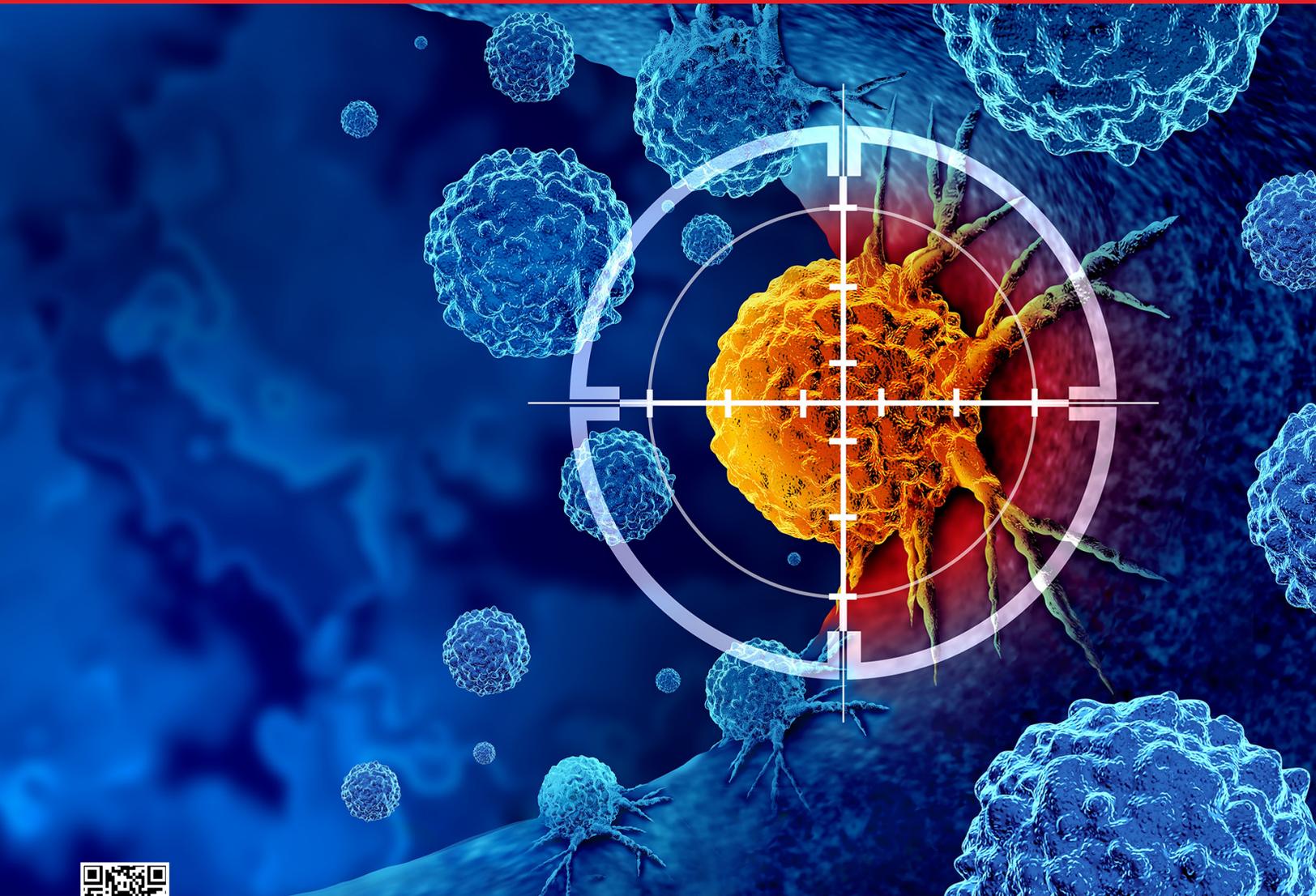


Journal of **ONCOLOGICAL SCIENCES**

Official Journal of Turkish Society of Medical Oncology

Volume: **12** Issue: **1** April **2026**



EDITORIAL BOARD

Owner on behalf of Turkish Society of Medical Oncology

ID Nuri Karadurmuş, Professor, MD

University of Health Sciences Türkiye, Gülhane Education and Research Hospital, Ankara, Türkiye

Editor-in-Chief

ID Sercan Aksoy, Professor, MD

Hacettepe University Cancer Institute, Ankara, Türkiye

Deputy Editor

ID Deniz Can Güven, Associate Professor, MD

Hacettepe University, Ankara, Türkiye

Associate Editors

ID Yakup Ergün, Associate Professor, MD

Ankara Bilkent City Hospital, Ankara, Türkiye

ID Cengiz Karaçin, Associate Professor, MD

University of Health Sciences Türkiye, Dr. Abdurrahman Yurtaslan Ankara Oncology Training and Research Hospital, Ankara, Türkiye

ID Naziye Ak, Associate Professor, MD

İstanbul University Oncology Institute, İstanbul, Türkiye

ID Burak Bilgin, Associate Professor, MD

Ankara Bilkent City Hospital, Department of Medical Oncology, Ankara, Türkiye

ID Mustafa Atçı, Associate Professor, MD

Prof. Dr. Cemil Taşcıoğlu City Hospital, İstanbul, Türkiye

ID Hüseyin Salih Semiz, Associate Professor, MD

Dokuz Eylül University Faculty of Medicine, İzmir, Türkiye

ID Elanur Karaman, Associate Professor, MD

Karadeniz Technical University Faculty of Medicine, Trabzon, Türkiye

ID Ertuğrul Bayram, Associate Professor, MD

Çukurova University Faculty of Medicine, Adana, Türkiye

ID Murat Araz, Associate Professor, MD

Necmettin Erbakan University Meram Faculty of Medicine, Konya, Türkiye

ID Tülay Eren, Associate Professor, MD

Ankara Etlik City Hospital, Ankara, Türkiye

EDITORIAL BOARD

Section Editors and Scientific Editorial Board

Pathology and Preclinical Research

Ayşegül Üner, MD

Hacettepe University Faculty of Medicine, Ankara, Türkiye

ORCID ID: 0000-0002-2522-1606

Breast Cancer

Ahmet Bilici, MD

İstanbul Medipol University Faculty of Medicine, İstanbul, Türkiye

ORCID ID: 0000-0002-0443-6966

Gül Başaran, MD

Acıbadem Altunizade Hospital, İstanbul, Türkiye

ORCID ID: 0000-0002-0775-6180

Özge Gümüşay, MD

Acıbadem University School of Medicine Medical, İstanbul, Türkiye

ORCID ID: 0000-0002-6236-9829

Genitourinary Cancer

Mahmut Gümüş, MD

İstanbul Medeniyet University Faculty of Medicine, İstanbul, Türkiye

ORCID ID: 0000-0003-3550-9993

Yüksel Ürün, MD

Ankara University Faculty of Medicine, Ankara, Türkiye

ORCID ID: 0000-0002-9152-9887

Gastrointestinal Cancer

Philip A Philip, MD

Karmanos Cancer Center, Detroit, Michigan, United States

ORCID ID: 0000-0002-6513-3491

Ilias Athanasiadis, MD

Mitera Maternity Hospital, Athens, Greece

ORCID ID: 0000-0001-5232-3862

Mehmet Ali Nahit Şendur, MD

Ankara Yıldırım Beyazıt University Faculty of Medicine, Ankara, Türkiye

ORCID ID: 0000-0001-7021-6139

Mehmet Artaç, MD

Necmettin Erbakan University Meram Faculty of Medicine, Konya, Türkiye

ORCID ID: 0000-0003-2335-3354

Lung Cancer

Ahmet Sezer, MD

Başkent University Adana Application and Research Center, Adana, Türkiye

ORCID ID: 0000-0002-6445-1439

Sadettin Kılıçkap, MD

Liv Hospital Ankara, Ankara, Türkiye

ORCID ID: 0000-0003-1637-7390

M. Ali Kaplan, MD

Dicle University Faculty of Medicine, Diyarbakır, Türkiye

ORCID ID: 0000-0003-0882-0524

Ali Murat Tatlı, MD

Antalya Memorial Hospital, Antalya, Türkiye

ORCID ID: 0000-0001-9696-1102

Gynecologic Cancer

Fatih Köse, MD

Başkent University Faculty of Medicine, Adana, Türkiye

ORCID ID: 0000-0002-0156-5973

Başak Öven, MD

Medical Park Göztepe Hospital, İstanbul, Türkiye

ORCID ID: 0000-0002-9921-4089

Baran Akagündüz, MD

Erzincan Binali Yıldırım University Mengücek Gazi Training and Research Hospital, Erzincan, Türkiye

ORCID ID: 0000-0002-4979-3123

Head and Neck - CNS Cancer

Meltem Ekenel, MD

İstanbul University Institute of Oncology, İstanbul, Türkiye

ORCID ID: 0000-0003-1887-5561

Ali Murat Sedef, MD

Medline Adana Hospital, Adana, Türkiye

ORCID ID: 0000-0002-3955-2705

Endocrin, Sarcomas and Other Rare Tumors

Ozan Yazıcı, MD

Gazi University Faculty of Medicine, Ankara, Türkiye

ORCID ID: 0000-0003-0038-3569

Melanom and Skin Cancers

Umut Demirci, MD

Memorial Ankara Hospital, Ankara, Türkiye

ORCID ID: 0000-0002-4833-6721

Cemil Bilir, MD

İstinye University School of Medicine Medical, İstanbul, Türkiye

ORCID ID: 0000-0002-1372-4791

Radiation Oncology

Sofia Kosmidis, MD

Hygeia Hospital, Athens, Greece MD

Biostatistic Editors

Mutlu Hayran, MD

Hacettepe University Faculty of Medicine, Ankara, Türkiye

ORCID ID: 0000-0003-2594-6794

Emre Bilgin, MD

Sakarya University Faculty of Medicine, Sakarya, Türkiye

EDITORIAL BOARD

Editorial Board

Ufuk Abacıođlu

Neolife Medical Center, İstanbul, Türkiye

Hüseyin Abalı

King Hamad University Hospital, Bahrain

Hakan Akbulut

Ankara University Faculty of Medicine, Ankara, Türkiye

Ali Arıcan

Acıbadem Mehmet Ali Aydınlar University Faculty of Medicine, İstanbul, Türkiye

Banu Arun

Baylor College of Medicine Section of Cardiology, United States

Faruk Aykan

İstinye University Faculty of Medicine, İstanbul, Türkiye

Dimitrios Bafaloukos

Metropolitan Hospital, Athens, Greece

Shouki Bazarbashi

King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia

Nuran Beşe

Acıbadem Mehmet Ali Aydınlar University Faculty of Medicine, İstanbul, Türkiye

İrfan Çiçin

İstinye University Faculty of Medicine, İstanbul, Türkiye

Hasan Şenol Coşkun

Akdeniz University Medical School, Antalya, Türkiye

Mustafa Erman

Hacettepe University Faculty of Medicine, Ankara, Türkiye

Rabab Gaafar

Cairo University, Cairo, Egypt

Ravit Geva

Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

Eliahu Gez

Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

Helen Gogas

National and Kapodistrian University of Athens, Athina, Greece

Erhan Gökmen

Ege University Faculty of Medicine, İzmir, Türkiye

Bahadır Güllüođlu

Academic Hospital, İstanbul, Türkiye

Fikri İçli

Ankara University Faculty of Medicine, Ankara, Türkiye

Abdurrahman Işıkdođan

Dicle University Faculty of Medicine, Diyarbakir, Türkiye

Levent Kabasakal

İstanbul University Faculty of Medicine, İstanbul, Türkiye

Bülent Karabulut

Ege University Faculty of Medicine, İzmir, Türkiye

Muhammad Adnan Khattak

Royal Perth Hospital, Perth, Australia

Ola Khorshid

Cairo University, Giza, Egypt

Paris Kosmidis

Hygeia Hospital, Tirana, Greece

Sunil Kumar

University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States

Nil Mandel

Koç University Hospital, İstanbul, Türkiye

Kjell Öberg

Uppsala University, Uppsala, Sweden

Berna Öksüzöđlu

Dr. Abdurrahman Yurtaslan Ankara Oncology Training and Research Hospital, Ankara, Türkiye

Feyyaz Özdemir

Karadeniz Technical University Faculty of Medicine, Trabzon, Türkiye

Mustafa Özdođan

Memorial Antalya Hospital, Antalya, Türkiye

Mustafa Özgürođlu

İstanbul University Faculty of Medicine, İstanbul, Türkiye

Metin Özkan

Erciyes University Faculty of Medicine, Kayseri, Türkiye

Marc Peeters

University Hospital Antwerp, Edegem, Belgium

Nir Peled

Ha'merkaz ha'refui Rabin, Israel

Fahri Saatçiođlu

University of Oslo, Oslo, Norway

Berksoy Şahin

Çukurova University Faculty of Medicine, Adana, Türkiye

Pınar Saip

İstanbul University Faculty of Medicine, İstanbul, Türkiye

Giorgio Scagliotti

University of Turin, Orbassano, Italy

Alper Toker

West Virginia University, WV, United States

Başak Oyan Uluç

Acıbadem Mehmet Ali Aydınlar University Faculty of Medicine, İstanbul, Türkiye

Necdet Üskent

Anadolu Medical Center, Gebze, Türkiye

Suayib Yalçın

Hacettepe University Faculty of Medicine, Ankara, Türkiye

Fulden Yumuk

Marmara University Faculty of Medicine, İstanbul, Türkiye

Language Editor

Galenos Publishing House

Past Editors

Gökhan Demir

Acıbadem Maslak Hospital, İstanbul, Türkiye

Hüseyin Abalı

King Hamad University Hospital-Bahrain Oncology Center, Bahrain

ORCID ID: 0000-0001-5596-0920

Mehmet Artaç

Necmettin Erbakan University Meram Faculty of Medicine, Konya, Türkiye

ORCID ID: 0000-0003-2335-3354

Ahmet Taner Sümbül

Seyhan Medikal Park Hospital, Adana, Türkiye

ORCID ID: 0000-0002-5573-906X

Please refer to the journal's webpage (journalofoncology.org) for "Policies" and "Instructions".

The editorial and publication processes of the journal are conducted in accordance with the guidelines of the ICMJE, COPE, WAME, CSE and EASE.

Journal of Oncological Sciences is indexed in **TUBITAK/ULAKBIM**, **Scopus**, **DOAJ**, and **Turkey Citation Index**.

The journal is published online.

Owner: Murat Dinçer, on behalf of Turkish Society of Medical Oncology

Responsible Manager: Sercan Aksoy

CONTENTS

Research Articles

- 1 Serum Vitamin D Levels as a Prognostic Biomarker in Patients Receiving Immune Checkpoint Inhibitors**
Taha Koray ŞAHİN, Onur BAŞ, Gözde KAVGACI, Naciye GÜDÜK, Fırat ŞİRVAN, Serkan AKIN, Zafer ARIK, Neyran KERTMEN, Ömer DİZDAR, Mustafa ERMAN, Şuayib YALÇIN, Sercan AKSOY, Burak Yasin AKTAŞ, Deniz Can GÜVEN
- 9 Survival Patterns in Early-onset Colorectal Cancer Receiving Adjuvant Capecitabine Based Therapy**
Oğuzcan ÖZKAN, Aslı GEÇGEL, Zeynep Sıla GÖKDERE, Barış EMEKDAŞ, Hasan Çağrı YILDIRIM
- 18 Bacoside A - A Potent Phytomedicine Attenuates Epithelial - Mesenchymal Transition in HCT 116 Colon Cancer Cells**
Bhagavathy SIVATHANU
- 32 Scottish Inflammatory Prognostic Score Predicts Survival in Metastatic Non-Small-Cell Lung Cancer Treated with Immune Checkpoint Inhibitors**
Caner ACAR, Haydar Çağatay YÜKSEL, Gökhan ŞAHİN, Fatma Pınar AÇAR, Erdem GÖKER
- 41 Incidence and Patterns of Second Primary Malignancies in Genitourinary Cancer Survivors: A 20-Year Single-Center Experience**
İmdat EROĞLU, Hatice AVŞAR, Osman SÜTÇÜOĞLU, Gözde SAVAŞ, Fatih GÜRLER, Uğur COŞKUN, Aytuğ ÜNER, Ozan YAZICI, Ahmet ÖZET, Nuriye ÖZDEMİR
- 51 Survival Outcomes and Prognostic Factors in Head and Neck Adenoid Cystic Carcinoma Following Curative Surgery**
Hatice BÖLEK, Mehmet KAYAALP, Taha Koray ŞAHİN, Osman Talha DOĞAN, Seher YÜKSEL, Sümeyra Duru BİRGİ, İbrahim Halil GÜLLÜ, Mustafa Kürşat GÖKCAN, Sercan AKSOY, Hatime Arzu YAŞAR
- 59 Real-world Efficacy and Safety of Trastuzumab Deruxtecan in HER2-positive Metastatic Breast Cancer: A Multicenter Retrospective Study from Türkiye**
Harun MUĞLU, Erdem SÜNGER, Lamia ŞEKER CAN, Özgür HAN, Bünyamin GÜNEY, Jamshid HAMDARD, Burçin ÇAKAN DEMİREL, Özgür AÇIKGÖZ, Ömer Fatih ÖLMEZ, Mesut ŞEKER, Ahmet BİLİCİ
- 67 Vascular FDG Uptake on PET/CT in Patients Receiving Immune Checkpoint Inhibitors**
Ali Kaan GÜREN, Kevser ÖKSÜZOĞLU, Erkam KOCAASLAN, Şerife ÇETİN, Taylan KAPLAN, Nazım Can DEMİRCAN, Murat SARI, Salih ÖZGÜVEN, Tunç ÖNEŞ, İbrahim Vedat BAYOĞLU, Osman KÖSTEK
- 74 The Prognostic Value of a Composite Score in Predicting Mortality Among Metastatic Castration-resistant Prostate Cancer Patients Treated with Enzalutamide**
İlker Nihat ÖKTEN, Tuba BAYDAŞ, İbrahim ÇİL, Mehmet BEŞİROĞLU, Sinan KOCA

Review

- 82 A Survey on Machine and Deep Learning Techniques for Breast Cancer Prediction**
Pallavi JADHAV, Ajit S. PATIL

Case Reports

- 94 Abiraterone Acetate Plus Prednisone Induced Bilateral Avascular Necrosis of the Femoral Head**
Serhat SEKMEK, Bülent ÖZKURT, Mirmehdi MEHTİYEV, Öznur BAL, Efnan ALGIN
- 98 Diffuse Infiltration of both Breasts in Pregnant Women is the First Manifestation of Myeloid Sarcoma - A Case Report and Literature Review**
Wei YANG, Chendong HE

103 Unveiling the Uncommon: A Comprehensive Review and Case Report on Targeting Rare MET Fusions in NSCLC

Harun MUĞLU, Jamshid HAMDARD, Banu KARAALIOĞLU, Erdem SÜNGER, Mehmet Haluk YÜCEL, Ebru ENGİN DELİPOYRAZ, Ömer Fatih ÖLMEZ

111 Synchronous Adrenocortical Carcinoma, Renal Cell Carcinoma, and Mediastinal Mature Teratoma with Heterozygous Variants in SMARCA4, APC, and MYBP3: A Case Report

Ferit ASLAN, Burcu ERKILIÇ, Şeref Barbaros ARIK, Fisun ARDIÇ YÜKRÜK, Ersin ATABEY, Fatih YILDIZ, Hakan TABAN