



ISSN: 1305-9319 e-ISSN: 1305-9327 Number: 1 Volume: 22 Year: 2026

# MEDICAL JOURNAL OF BAKIRKÖY



[www.bakirkoytip.org](http://www.bakirkoytip.org)

ISSN: 1305-9319 e-ISSN: 1305-9327 Number: 1 Volume: 22 Year: 2026

# MEDICAL JOURNAL OF BAKIRKÖY

Medical Journal of Bakirköy of is an official scientific Journal of University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital (BMJ)

It is published quarterly as 4 issues every year (March, June, September, December).

Please refer to the journal's webpage (<https://bakirkoymedj.org/>) for "Journal Policies" and "Instructions to Authors".

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the ICMJE, WAME, CSE, COPE, EASE, and NISO. The journal conforms with the Principles of Transparency and Best Practice in Scholarly Publishing ([doaj.org/bestpractice](http://doaj.org/bestpractice)). The Medical Journal of Bakirköy is indexed in **Web of Science; Emerging Sources Citation Index (ESCI), TUBITAK ULAKBIM TR Index, Scopus, EBSCO – Academic Search Complete, J-Gate, Embase, CINAHL Complete, ScopeMed, WorldCat, Infobase, Ulrich's Database, Ideal Online, Türkiye Atif Dizini, Türk Medline** and CNKI.

The journal is published online.

**Owner:** University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital

**Responsible Manager:** Meral Mert

©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 BMJ. Reproduction without prior written permission of part or all of any material is forbidden. The journal complies with the Professional Principles of the Press.

## Owner

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital

## Editor-in Chief

### Prof. MD. Meral Mert

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Endocrinology and Metabolism, İstanbul, Türkiye  
E-mail: [meralmerr74@gmail.com](mailto:meralmerr74@gmail.com)

## Editorial Assistants

### Prof. MD. Alev Kural

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Medical Biochemistry, İstanbul, Türkiye  
E-mail: [alevkural@hotmail.com](mailto:alevkural@hotmail.com)

### Prof. MD. Altuğ Duramaz

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Orthopaedics and Traumatology, İstanbul, Türkiye  
E-mail: [altug.duramaz@yahoo.com](mailto:altug.duramaz@yahoo.com)

### Assoc. Prof. MD. Aslı Vural

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Ophthalmology, İstanbul, Türkiye  
E-mail: [asli.deger@hotmail.com](mailto:asli.deger@hotmail.com)

### Prof. MD. Esengül Koçak Uzel

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Radiation Oncology, İstanbul, Türkiye  
E-mail: [dresengulkocak@gmail.com](mailto:dresengulkocak@gmail.com)

### Prof. MD. Habip Gedik

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Infectious Diseases and Clinical Microbiology, İstanbul, Türkiye  
E-mail: [habipgedik@yahoo.com](mailto:habipgedik@yahoo.com)

### Prof. MD. Mehmet Özgür Erdoğan

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of , İstanbul, Türkiye  
E-mail: [ozgurtheerdogan@mynet.com](mailto:ozgurtheerdogan@mynet.com)

### Prof. MD. Mustafa Orhan Nalbant

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Internal Medicine, İstanbul, Türkiye  
E-mail: [musnalbant88@hotmail.com](mailto:musnalbant88@hotmail.com)

### Prof. MD. NevİN Hatipoğlu

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Child Health and Diseases, İstanbul, Türkiye  
E-mail: [naydin9@mynet.com](mailto:naydin9@mynet.com)

### Prof. MD. Nilgün Işıksaçan

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Cardiology, İstanbul, Türkiye  
E-mail: [nisiksacan@gmail.com](mailto:nisiksacan@gmail.com)

### Prof. MD. Turgut Dönmez

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Surgical Medical Sciences, İstanbul, Türkiye  
E-mail: [surgeont73@hotmail.com](mailto:surgeont73@hotmail.com)

## Language Editors

Galenos Publishing

## Statistics Editors

Assoc. Prof. MD. Cennet Yıldız

## Administrative Office

University of Health Sciences Türkiye, Bakirköy Dr. Sadi Konuk Training and Research Hospital Tevfik Sağlam Cad. No: 11 Zuhuratbaba, İstanbul - Türkiye  
Tel: +90 212 414 71 59 / 90 212 241 68 20  
mail: [info@bakirkoytip.org](mailto:info@bakirkoytip.org)



## Publisher Contact

Address: Molla Gürani Mah. Kaçamak Sk. No: 21/1 34093 İstanbul, Türkiye

GSM: +90 530 177 30 97

E-mail: [info@galenos.com.tr](mailto:info@galenos.com.tr) [tr.yayin@galenos.com.tr](mailto:tr.yayin@galenos.com.tr)

Web: [www.galenos.com.tr](http://www.galenos.com.tr) Publisher Certificate Number: 14521

Printing Date: March 2026

ISSN: 1305-9319 E-ISSN: 1305-9327

International scientific journal published quarterly.

## Advisory Board

### Prof. MD. Abdul Cem İbiş

İstanbul University, İstanbul Faculty of Medicine, Hepato-Pancreato-Biliary Surgery and Liver Transplantation Unit, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-5602-375X>

### Prof. MD. Abdulkaki Kumbasar

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Internal Medicine, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-7466-9434>

### Prof. MD. Abdurrahim İmamoğlu

Dışkapı Yıldırım Beyazıt Training and Research Hospital, Clinic of Urology, Ankara, Türkiye

ORCID ID: <https://orcid.org/0000-0003-3848-7312>

### Prof. MD. Adem Fazlıoğlu

İstinye University, Medical Park Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0009-0008-8123-2394>

### Assoc. Prof. MD. Ahmet Cem Dural

İstinye University, Liv Hospital, Clinic of General Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-3479-725X>

### Prof. MD. Ahmet Rahmi Onur

Firat University Faculty of Medicine, Department of Urology, Elazığ, Türkiye

ORCID ID: <https://orcid.org/0000-0001-6235-0389>

### Prof. MD. Ahmet Tan Cimilli

University of Health Sciences Türkiye, Bağcılar Training and Research Hospital, Clinic of Radiology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-7500-7707>

### Prof. MD. Ahmet Yaser Müslümanoğlu

University of Health Sciences Türkiye, Bağcılar Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-8691-0886>

### Prof. MD. Ali Atan

Gazi University Faculty of Medicine, Department of Urology, Ankara, Türkiye

ORCID ID: <https://orcid.org/0000-0002-7114-068X>

### Assoc. Prof. MD. Ali Aycan Kavala

Şişli Memorial Hospital, Clinic of Heart Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-6881-4439>

### Prof. MD. Ali Fuat Atmaca

Memorial Hospital, Clinic of Urology, Ankara, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0794-2135>

### Prof. MD. Ali İhsan Taşçı

Private Office, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-6943-6676>

### Prof. MD. Ali Orhan Bilge

Koç University Faculty of Medicine, Department of General Surgery, Hepato-Pancreato-Biliary Surgery Unit, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-8277-8697>

### Prof. MD. Ali Özdemir

University of Health Sciences Türkiye, Fatih Sultan Mehmet Training and Research Hospital, Clinic of Internal Medicine, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-8087-9654>

### Prof. MD. Aliye Soylu

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Gastroenterology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-5504-0144>

### Assoc. Prof. MD. Alper Ötünçtemur

University of Health Sciences Türkiye, Prof. Dr. Cemil Taşcıoğlu City Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0553-3012>

### Prof. MD. Altay Sencer

İstanbul University, İstanbul Faculty of Medicine, Department of Neurosurgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-9925-5422>

### Prof. MD. Asif Yıldırım

Medeniyet University Göztepe Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-3386-971X>

### Prof. MD. Asuman Gedikbaşı

İstanbul University, İstanbul Faculty of Medicine, Department of Genetics and Biochemistry, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-7121-6077>

### Prof. MD. Atilla Semerciöz

University of Health Sciences Türkiye, Bağcılar Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-8688-4772>

### Prof. MD. Ayhan Verit

University of Health Sciences Türkiye, Fatih Sultan Mehmet Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-1602-9698>

### Assoc. Prof. MD. Aysu Şen

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Neurology, İstanbul, Türkiye

### Assoc. Prof. MD. Batuhan Kara

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Radiology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-4179-4324>

### Assoc. Prof. MD. Berkan Reşorlu

Ankara Memorial Hospital, Clinic of Urology, Ankara, Türkiye

ORCID ID: <https://orcid.org/0000-0002-8461-8873>

### Assoc. MD. Buruç Erkan

University of Health Sciences Türkiye, Başakşehir Çam and Sakura City Hospital, Clinic of Neurosurgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-8586-0613>

### Prof. MD. Bülent Erol

Florence Nightingale Hospital, İstanbul, Türkiye

### Prof. MD. Cemal Bes

University of Health Sciences Türkiye, Başakşehir Çam and Sakura City Hospital, Clinic of General Medicine, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-1730-2991>

### Prof. MD. Cemal Kural

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Orthopaedics and Traumatology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-7493-391X>

# Advisory Board

## Prof. MD. Cenk Gürbüz

University of Beykoz, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-0341-1326>

## Prof. MD. Ceren Can

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pediatric Allergy and Immunology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-7810-7105>

## Prof. MD. Cevher Akarsu

Ataköy Mediana Hospital, Clinic of General Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-1650-8805>

## Assoc. Prof. MD. Çiğdem Kekik Çınar

İstanbul University, İstanbul Faculty of Medicine, Department of Medical Biology, Division of Medical Biology and Genetics, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-2098-381X>

## Assoc. Prof. MD. Cihan Kaya

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Obstetric and Gynecology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-4175-7694>

## Assoc. Prof. MD. Cumhuriyet Deniz Davulcu

İstanbul University-Cerrahpaşa, Cerrahpaşa University Faculty of Medicine, Department of Orthopaedics and Traumatology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-6444-5047>

## Assoc. Prof. MD. Damlanur Sakız

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pathology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-2051-1049>

## Prof. MD. Deniz Tural

Koç University Faculty of Medicine, Department of Oncology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-2144-6469>

## Prof. MD. Didem Karaçetin

Biruni University Faculty of Medicine, Department of Radiation Oncology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-5359-5958>

## Assoc. Prof. MD. Ebru Şen

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of General Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0121-4540>

## Assoc. Prof. MD. Emrah Yürük

University of Health Sciences Türkiye, Bağcılar Training and Research Hospital, Clinic of Urology İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-2343-8828>

## Prof. MD. Emre İhya Görgün

Cleveland Clinic, Clinic of Colorectal Surgery, Ohio, USA

## Assoc. Prof. MD. Emre Yıldırım

Memorial Hospital, Clinic of Gastroenterology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-4386-9297>

## Prof. MD. Enver Özdemir

University of Health Sciences Türkiye, Taksim Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-8131-9133>

## Prof. MD. Ercan İnci

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Radiology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-3791-2471>

## Prof. MD. Erdal Birol Bostancı

University of Health Sciences Türkiye, Ankara Training and Research Hospital, Division of Gastroenterology Surgery, Ankara, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0663-0156>

## Prof. MD. Erdoğan Çetinkaya

İstanbul Chest Diseases and Thoracic Surgery Training and Research Hospital, Clinic of Chest Diseases, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0891-0020>

## Assoc. Prof. MD. Ersin Erçin

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Orthopaedics and Traumatology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-0906-2083>

## Prof. MD. Esra Ataoğlu

University of Health Sciences Türkiye, Haseki Training and Research Hospital, Clinic of Internal Medicine, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-6559-2575>

## Prof. MD. Esra Şevketoğlu

University of Health Sciences Türkiye, Başakşehir Çam and Sakura City Hospital, Clinic of Pediatric Intensive Care, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-8330-2877>

## Prof. MD. Esra Deniz Papatya Çakır

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pediatric Endocrinology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-4664-7435>

## Prof. MD. Eyüp Veli Küçük

University of Health Sciences Türkiye, Ümraniye Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-1744-8242>

## Prof. MD. Fadime Ulviye Yiğit

Haliç University Faculty of Medicine, Clinic of Ophthalmology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-0176-1509>

## Prof. MD. Fatih Altunrende

University of Health Sciences Türkiye, Prof. Dr. Cemil Taşcıoğlu City Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-7663-6038>

## Prof. MD. Fatih Tunca

İstanbul University, İstanbul Faculty of Medicine, Department of Endocrine Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-6889-3894>

## Advisory Board

### Assoc. Prof. MD. Fatih Yanaral

University of Health Sciences Türkiye, Haseki Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-7395-541X>

### Prof. MD. Fatma Nihan Turhan Çağlar

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Cardiology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-7925-2398>

### Prof. MD. Fatma Savran Oğuz

İstanbul University, İstanbul Faculty of Medicine, Department of Medical Biology, Division of Medical Biology and Genetics, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-6018-8936>

### Assoc. Prof. MD. Fehmi Hindilerden

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of General Medicine, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-6297-9555>

### Prof. MD. Figen Palabiyik

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pediatric Radiology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-0818-7650>

### Assoc. Prof. MD. Gökhan Atış

Medeniyet University Göztepe Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-9065-6104>

### Prof. MD. Gökhan Tolga Adaş

University of Health Sciences Türkiye, Prof. Dr. Cemil Taşcıoğlu City Hospital, Clinic of General Surgery, Division of Hepato-Pancreato-Biliary Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-7777-8887>

### Assoc. Prof. MD. Gökmen Sevindik

Medipol Mega University Hospital, Clinic of Oncology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-9636-4113>

### Assoc. Prof. MD. Gökmen Umut Erdem

University of Health Sciences Türkiye, Başakşehir Çam and Sakura Training and Research Hospital, Clinic of Oncology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-3375-9465>

### Assoc. Prof. MD. Göksele Dikmen

Acıbadem Mehmet Ali Aydınlar University Faculty of Medicine, Department of Orthopaedics and Traumatology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-6891-3488>

### Prof. MD. Gönenç Kocabay

University of Health Sciences Türkiye, Koşuyolu High Specialization Training and Research Hospital, Clinic of Cardiology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-1439-0252>

### Assoc. Prof. MD. Günay Gül

University of Health Sciences, Bakırköy Prof. Dr. Mazhar Osman Mental Health and Neurological Diseases Training and Research Hospital, Clinic of Neurology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-2485-1654>

### Prof. MD. Güralp Onur Ceyhan

Acıbadem Mehmet Ali Aydınlar University Faculty of Medicine, Department of General Surgery, Hepato-Pancreato-Biliary Unit, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-3626-7423>

### Assoc. Prof. MD. Hakan Güraslan

University of Health Sciences Türkiye, Bağcılar Training and Research Hospital, Clinic of Obstetric and Gynecology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-3033-985X>

### Prof. MD. Halil Alış

İstanbul Aydın University Faculty of Medicine, Department of General Surgery, Gastrointestinal Surgery Unit, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-0907-6047>

### Assoc. Prof. MD. Halil Doğan

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Emergency Medicine, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-4751-030X>

### Assoc. Prof. MD. Hatem Hakan Selçuk

Selçuk University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Radiology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-5606-4423>

### Prof. MD. Hayat Kumbasar Karaosmanoğlu

University of Health Sciences Türkiye, Taksim Training and Research Hospital, Clinic of Infectious Disease, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-7716-3006>

### Prof. MD. Hülya Ertapoğlu Toydemir

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Neurology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-2024-1181>

### Prof. MD. İbrahim Öner Doğan

İstanbul University, İstanbul Faculty of Medicine, Department of Pathology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-1996-6983>

### Prof. MD. İbrahim Faruk Aktürk

University of Health Sciences Türkiye, Mehmet Akif Ersoy Thoracic and Cardiovascular Surgery Training and Research Hospital, Clinic of Cardiology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-9203-7043>

### Prof. MD. İbrahim Sayın

Private Office, Clinic of Otorhinolaryngology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-3388-7835>

### Prof. MD. İlgin Özden

İstanbul University, İstanbul Faculty of Medicine, Hepato-Pancreato-Biliary Surgery and Liver Transplantation Unit, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-7360-628X>

### Assoc. Prof. MD. İlkyay Çakır

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of General Medicine, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-0420-2606>

# Advisory Board

## Prof. MD. İlker Seçkiner

Gaziantep University Faculty of Medicine, Department of Urology, Gaziantep, Türkiye

ORCID ID: <https://orcid.org/0000-0003-3858-7700>

## Prof. MD. İsa Özbey

Atatürk University Faculty of Medicine, Department of Urology, Erzurum, Türkiye

ORCID ID: <https://orcid.org/0000-0002-7889-3174>

## Prof. MD. Kadriye Kart Yaşar

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Infectious Disease, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-2963-4894>

## Prof. MD. Kamil Hakan Kaya

İstinye University Hospital, Liv Hospital Bahçeşehir, Clinic of Otorhinolaryngology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-3819-8177>

## Prof. MD. Kaya Sarıbeyoğlu

Charité University, Campus Virchow-Klinikum & Campus Charité Mitte, Department of Surgery, Berlin, Germany

ORCID ID: <https://orcid.org/0000-0002-8838-4656>

## Prof. MD. Keziban Doğan

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Obstetric and Gynecology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-2297-8635>

## Prof. MD. Levent Yaşar

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Obstetric and Gynecology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-8679-2699>

## Assoc. Prof. MD. Mehmet Abdussamet Bozkurt

İstinye University Hospital, Liv Hospital Bahçeşehir, Clinic of General and Gastrointestinal Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-3222-9363>

## Assoc. Prof. MD. Mehmet Bedir Akyol

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pediatric Cardiology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0266-7226>

## Prof. MD. Mehmet Hurşitoğlu

London Hospital, Clinic of Internal Medicine, Fintas, Kuwait

ORCID ID: <https://orcid.org/0000-0002-9062-118X>

## Prof. MD. Mehmet Soy

Altınbaş University Medical Park, Department of Rheumatology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-1710-7018>

## Prof. MD. Mehmet Yılmaz

Sani Konukoğlu Application and Research Hospital, Clinic of Hematology, Gaziantep, Türkiye

ORCID ID: <https://orcid.org/0000-0002-1218-8165>

## Assoc. Prof. MD. Melike Ersoy

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pediatric Metabolic Diseases, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-2316-0790>

## Prof. MD. Meltem Vural

Acıbadem Mehmet Ali Aydınlar University, Clinic of Physical Therapy and Rehabilitation, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-4360-8318>

## Prof. MD. Mert Murat Erkan

Koç University Faculty of Medicine, Department of General Surgery, Hepato-Pancreato-Biliary Surgery Unit, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0009-0006-1829-0386>

## Assoc. Prof. MD. Mesrur Selçuk Sılay

Memorial Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-5091-9654>

## Assoc. Prof. MD. Metin Öztürk

University of Health Sciences Türkiye, Haydarpaşa Numune Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-1868-2316>

## Prof. MD. Mine Çelik

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Anesthesiology and Reanimation, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-4718-0921>

## Prof. MD. Mitra Niafar

Tabriz University of Medical Sciences, Endocrine Research Center, Tabriz, Iran

ORCID ID: <https://orcid.org/0000-0002-9671-6286>

## Prof. MD. Murat Bozlu

Mersin University Faculty of Medicine, Department of Urology, Mersin, Türkiye

ORCID ID: <https://orcid.org/0000-0002-8624-0149>

## Assoc. Prof. MD. Murat Çabalar

University of Health Sciences Türkiye, Başakşehir Çam and Sakura City Hospital, Clinic of Neurology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-5301-1067>

## Prof. MD. Murat Ekin

Medipol Mega University Hospital, Clinic of Obstetric and Gynecology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-4525-5125>

## Prof. MD. Murat Gönenc

Acıbadem Mehmet Ali Aydınlar University Faculty of Medicine, Department of General Surgery, Gastrointestinal Surgery Unit, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-5802-7172>

## Prof. MD. Mustafa Gökhan Bilgili

Private Practice, Clinic of Orthopaedics and Traumatology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-5301-6407>

## Assoc. Prof. MD. Mustafa Suphi Elbistanlı

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Otorhinolaryngology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-0156-6455>

## Advisory Board

### Assoc. Prof. MD. Musa Çırak

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Neurosurgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0175-9655>

### Assoc. Prof. MD. Mürvet Yılmaz

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of General Medicine, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-0270-9227>

### Assoc. Prof. MD. Necati Çitak

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Thorax Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-4122-9197>

### Assoc. Prof. MD. Nihat Demirhan Demirkıran

Kütahya Health Sciences University, Department of Orthopaedics and Traumatology, Kütahya, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0724-9672>

### Prof. MD. Numan Görgülü

University of Health Sciences Türkiye, Bağcılar Training and Research Hospital, Clinic of Nephrology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-3776-885X>

### Prof. MD. Nuri Alper Şahbaz

Hisar Intercontinental Hospital, Clinic of General Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0668-8382>

### Assoc. Prof. MD. Oğuzhan Ekizoğlu

University of Health Sciences Türkiye, İzmir Tepecik Training and Research Hospital, Clinic of Forensic Medicine, İzmir, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0194-595X>

### Prof. MD. Oktar Asoğlu

Academia of Clinical Science of Boğaziçi, Department of Gastrointestinal Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-9147-1654>

### Prof. MD. Özgül Salihoğlu

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Neonatology, İstanbul, Türkiye

### Prof. MD. Özlem Altuntaş Aydın

University of Health Sciences Türkiye, Başakşehir Çam and Sakura City Hospital, Clinic of Infectious Disease, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-8035-1385>

### Assoc. Prof. MD. Özlem Polat

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Family Medicine, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-7512-1283>

### Assoc. Prof. MD. Özlem Terzi

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pediatric Hematology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-8449-4778>

### Assoc. Prof. MD. Rahim Horuz

Medipol University Faculty of Medicine, Department of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-8014-2321>

### Assoc. Prof. MD. Ramadan Özmanevra

Girne University Faculty of Medicine, Department of Orthopaedics and Traumatology, Kyrenia, TRNC

ORCID ID: <https://orcid.org/0000-0003-0515-4001>

### Prof. MD. Sadık Sami Hatipoğlu

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pediatrics, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-8865-4049>

### Assoc. Prof. MD. Saygın Türkyılmaz

Bağcılar Medipol Mega University Hospital, Clinic of Cardiovascular Surgery, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0003-2165-6853>

### Assoc. Prof. MD. Sebahat Tülpar

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pediatric Nephrology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0001-8182-4682>

### Assoc. Prof. MD. Selçuk Şahin

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0903-320X>

### Prof. MD. Sema Çiftçi

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Endocrinology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-0383-6562>

### Prof. MD. Serdar Altınay

University of Health Sciences Türkiye, Antalya City Hospital, Clinic of Pathology, Antalya, Türkiye

ORCID ID: <https://orcid.org/0000-0003-0267-8360>

### Prof. MD. Serdar Hakan Başaran

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Orthopaedics and Traumatology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-9715-9530>

### Prof. MD. Sibel Çağlar Okur

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Physical Therapy and Rehabilitation, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-4015-5977>

### Assoc. Prof. MD. Sinan Levent Kireççi

University of Health Sciences Türkiye, Şişli Hamidiye Etfal Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-4734-4789>

### Prof. MD. Şakir Özgür Keşkek

Alaaddin Keykubat University Faculty of Medicine, Department of Internal Medicine, Antalya, Türkiye

ORCID ID: <https://orcid.org/0000-0001-5888-3123>

### Assoc. Prof. MD. Şerife Gül Karadağ

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Pediatric Rheumatology, İstanbul, Türkiye

ORCID ID: <https://orcid.org/0000-0002-3232-0055>

## Advisory Board

**Assoc. Prof. MD. Tayfun Oktar**

İstanbul University, İstanbul Faculty of Medicine, Department of Urology, İstanbul, Türkiye

**ORCID ID:** <https://orcid.org/0000-0001-7719-2440>

**Assoc. Prof. MD. Timuçin Taner**

Mayo Clinic, Surgical Director, Liver Transplantation, and Hepato-Pancreato-Biliary Surgery, Minnesota, USA

**ORCID ID:** <https://orcid.org/0000-0003-0641-2930>

**Assoc. Prof. MD. Tzevat Tefik**

İstanbul University, İstanbul Faculty of Medicine, Department of Urology, İstanbul, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-1398-8332>

**Prof. MD. Vildan Ayşe Yayla**

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Neurology, İstanbul, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-4188-0898>

**Prof. MD. Volkan Tuğcu**

Memorial Hospital, Clinic of Urology, İstanbul, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-4136-7584>

**Assoc. Prof. MD. Yavuz Altunkaynak**

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Neurology, İstanbul, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-4921-1592>

**Assoc. Prof. MD. Yavuz Onur Danacıoğlu**

Bağcılar Medipol Mega University Hospital, Clinic of Urology, İstanbul, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-3170-062X>

**Prof. MD. Yeşim Erbil**

Private Office, Endocrine Surgery, İstanbul, Türkiye

**Prof. MD. Yüksel Altuntaş**

University of Health Sciences Türkiye, Şişli Hamidiye Etfal Training and Research Hospital, Clinic of Endocrinology, İstanbul, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-3559-035X>

**Prof. MD. Yusuf Özlem İlbey**

University of Health Sciences Türkiye, İzmir Tepecik Training and Research Hospital, Clinic of Urology, İzmir, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-1483-9160>

**Assoc. Prof. MD. Zafer Çukurova**

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Anesthesiology and Reanimation, İstanbul, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-8893-3977>

**Assoc. Prof. MD. Zafer Gökhan Gürbüz**

University of Health Sciences Türkiye, Adana City Training and Research Hospital, Clinic of Urology, Adana, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-7325-1965>

**Prof. MD. Zahide Mine Yazıcı**

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Otorhinolaryngology, İstanbul, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-4164-3438>

**Prof. MD. Zeynel Abidin Öztürk**

Gaziantep University Şahinbey Research and Practice Hospital, Clinic of Geriatrics, Gaziantep, Türkiye

**ORCID ID:** <https://orcid.org/0000-0002-7781-688X>

**Prof. MD. Zeynep Çizmeci**

University of Health Sciences Türkiye, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Clinic of Microbiology, İstanbul, Türkiye

# Contents

## Review

### 1 **Current Treatment Strategies in Psoriatic Arthritis**

Psöriatik Artritte Güncel Tedavi Stratejileri  
Övgü Bıçkıcı, Erkan Kozanoğlu; Adana, Türkiye

## Researches

### 8 **Rate and Associated Factors of the Intention to Leave the Current Job among Resident Physicians Working in A University Hospital: A Preliminary Study**

Bir Üniversite Hastanesinde Çalışan Asistan Hekimlerin Mevcut İşlerinden Ayrılma Niyeti Oranları ve İlişkili Faktörler: Bir Ön Araştırma  
Hamza Yıldız, Ece Aytan, Ebru Oğçin, Melike Nebioğlu Yıldız; Mersin, Türkiye

### 18 **The Relationship Between Anxiety and Depression Levels of Orthopedic Traumatology Patients and the Perception of Nursing Care**

Ortopedi ve Travmatoloji Hastalarının Anksiyete ve Depresyon Düzeyleri ile Hemşirelik Bakım Algısı Arasındaki İlişki  
Figen Çalışkan, Ayten Seller, Serdar Hakan Başaran, Alkan Bayrak; Edirne, İstanbul, Türkiye

### 25 **Evaluation of Patients with Idiopathic Normal Pressure Hydrocephalus Undergoing Surgical Treatment Using the Evans Index and Mini-Mental Status Examination**

İdiopatik Normal Basıncılı Hidrosefali Tanısı ile Cerrahi Tedavi Uygulanan Hastaların Evans İndeksi ve Mini Mental Durum Testi ile Değerlendirilmesi  
Elif Başaran Gündoğdu, Asuman Ali; Bursa, Türkiye

### 33 **Combined Use of Intraoperative Neuromonitoring and Neuronavigation Techniques in Surgery for Vestibular Schwannoma in the Cerebellopontine Angle**

Serebellopontin Açık Yerleşimli Vestibüler Schwannoma Cerrahisinde İntraoperatif Nöromonitörizasyon ve Nöronavigasyon Tekniklerinin Kombine Kullanımı  
Alper Türkkkan, Ahmet Bekar; Bursa, Türkiye

### 42 **Clinical and Sociodemographic Characteristics and Treatment Approaches of Patients with Psychotic Spectrum Disorders Followed in A Community Mental Health Center**

Toplum Ruh Sağlığı Merkezinde Takip Edilen Psikotik Spektrum Bozuklukları Olan Hastaların Klinik ve Sosyodemografik Özellikleri ve Tedavi Yaklaşımları  
Musa Şahpolat, Vesile Adıgüzel, Sümeyye Yıldırım; Yalova, Türkiye

### 49 **Evaluation of Anxiety Status of Patients with "Low Grade Smear" as A Result of Cervical Smear**

Servikal Smear Sonucu "Düşük Dereceli Smear" Olan Hastaların Anksiyete Durumlarının Değerlendirilmesi  
İlteriş Yaman, Yasin Ceylan, Selim Akkaya, Özgür Akbayır, İkbal Temel Yüksel; İstanbul, Muğla, Türkiye

### 60 **The Impact of Nicotine Dependence on Cough Capacity and Respiratory Symptoms in Young Adults**

Genç Yetişkinlerde Nikotin Bağımlılığının Öksürük Kapasitesi ve Solunum Semptomları Üzerindeki Etkisi  
Beyzanur Dikmen Hoşbaş, Şevval Arduç, Rüstem Mustafaoğlu; İstanbul, Türkiye

### 67 **Evaluation of the Efficacy of the Biogold Strep A Rapid Antigen Test for the Detection of Group A Beta-Haemolytic Streptococci in Throat Swabs**

Boğaz Sürüntü Örneklerinde A Grubu Beta-Hemolitik *Streptokokların* Tespitinde Biogold Strep A Hızlı Antijen Testinin Etkinliğinin Değerlendirilmesi  
Mehmet Emin Bulut, Uğur Tekbaş, Saliha Rabia Şahin, Hanife Tutan, Süleyman Pelit, Elif Aktaş; İstanbul, Türkiye

## Contents

- 72 The TAP Block Reduces Oxidative Stress and Postoperative Pain in Laparoscopic Gynecological Surgery**  
TAP Bloğu Laparoskopik Jinekolojik Cerrahide Oksidatif Stresi ve Postoperatif Ağrıyla Azaltır  
Yusuf Özgüner, Savaş Altınsoy, Gökçen Kültüröğlü, Jülide Ergil, Candost Hanedan, İzzet Özgürlük, Göktuğ Okyar, Özcan Erel; Ankara, Türkiye
- 79 Endometrial Sampling Outcomes in A Tertiary Care Centre: October 2023-October 2024**  
Üçüncü Basamak Bir Sağlık Merkezindeki Endometrial Örnekleme Sonuçları: Ekim 2023-Ekim 2024  
Gökşen Görgülü, Erkan Şimşek; Gaziantep, Türkiye
- 84 The Effect of Various Pacing Modes on Microvolt T-Wave Alternans in Patients Receiving Cardiac Resynchronization Therapy**  
Kardiyak Resenkronizasyon Tedavisi Alan Hastalarda Çeşitli Kalp Pili Modlarının Mikrovolt T-Dalgası Alternansı Üzerindeki Etkisi  
Demet Erciyes, Murat Gülbaran, Cennet Yıldız, Nuran Yazıcıoğlu; İstanbul, Türkiye
- 91 Uric Acid-to-Albumin Ratio as A Prognostic Marker after Carotid Artery Stenting**  
Karotis Arter Stentleme Sonrası Prognostik Bir Belirteç Olarak Ürik Asit/Albümin Oranı  
Atilla Koyuncu, Cennet Yıldız, Ersan Oflar, Muhsin Kalyoncuoğlu, Hasan Ali Sinoplu, Dilay Karabulut, Fatma Nihan Turhan Çağlar, Lütfi Öcal, Mehmet Çelik; İstanbul, Türkiye
- 98 The Neuropathic Dimension of Shoulder Pain: The Effects of Neuropathic Pain on Shoulder Function and Functional Limitation**  
Omuz Ağrısının Nöropatik Boyutu: Nöropatik Ağrının Omuz Fonksiyonu ve Fonksiyonel Kısıtlılık Üzerine Etkileri  
Eser Kalaoğlu, Nur Kesiktaş, Büşra Şirin Ahışa, Ömer Faruk Bucak; İstanbul, Türkiye
- 105 Retrospective Evaluation of Chemotherapy Induced Nausea and Vomiting in Pediatric Oncology Patients**  
Pediatrik Onkoloji Hastalarında Kemoterapiye Bağlı Bulantı ve Kusmanın Retrospektif Değerlendirilmesi  
Gunel Abdulaliyeva, Aytül Temuroğlu, Gökalp Rüstem Aksoy, Betül Berrin Sevinir; Ankara, Bursa, Türkiye

## Case Report

- 111 Staphylococcus aureus Pneumonia Following Closed Thoracic Trauma: A Case Presentation**  
Kapalı Toraks Travmasını Takiben *Staphylococcus aureus* Pnömonisi: Bir Olgu Sunumu  
Burcu Parlak, Sevlia Öcal Demir, Gülşen Akkoç, Seyhan Yılmaz, Sevgi Aslan Tuncay, Didem Büyüктаş Aytaç, Meryem Çağla Abacı Çapar, Pınar Canizci Erdemli, Aylin Dizi Işık; İstanbul, Türkiye

- 115 Erratum**