



ISSN: 1305-9319 e-ISSN: 1305-9327 Number: 4 Volume: 20 Year: 2024

MEDICAL JOURNAL OF BAKIRKÖY



www.bakirkoytip.org

ISSN: 1305-9319 e-ISSN: 1305-9327 Number: 4 Volume: 20 Year: 2024

MEDICAL JOURNAL OF BAKIRKÖY

Medical Journal of Bakırköy of is an official scientific Journal of University of Health Sciences Türkiye, Bakırköy 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 "Ethical Policy" 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). The Medical Journal of Bakırköy 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 Atıf Dizini, Türk Medline and CNKI.**

The journal is published online.

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

Responsible Manager: Musa Çırak

©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, Bakırköy
Dr. Sadi Konuk Training and Research Hospital

Editor-in Chief

Assoc. Prof. MD. Musa Çırak

University of Health Sciences Türkiye, Bakırköy
Dr. Sadi Konuk Training and Research Hospital,
Clinic of Brain Surgery, İstanbul, Türkiye
0000-0002-0175-9655
musacirak@hotmail.com

Editorial Assistants

Assoc. Prof. MD. Altuğ Duramaz

University of Health Sciences Türkiye,
Bakırköy Dr. Sadi Konuk Training and
Research Hospital, Clinic of Orthopaedics
and Traumatology, İstanbul, Türkiye
0000-0002-5012-2079
altug.duramaz@yahoo.com

Assoc. 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
0000-0003-4664-7435
edpapatya@yahoo.com.tr

Prof. MD. Hülya Ertaşoğlu Toydemir

University of Health Sciences Türkiye, Bakırköy
Dr. Sadi Konuk Training and Research Hospital,
Clinic of Neurology, İstanbul, Türkiye
0000-0002-2024-1181
hulyatoydemir@hotmail.com

Prof. MD. Murat Ekin

University of Health Sciences Türkiye, Bakırköy
Dr. Sadi Konuk Training and Research Hospital,
Clinic of Obstetric and Gynecology, İstanbul,
Türkiye
0000-0002-4525-5125
muratekinmd@gmail.com

Assoc. Prof. MD. Özlem Polat

University of Health Sciences Türkiye, Bakırköy
Dr. Sadi Konuk Training and Research Hospital,
Clinic of Family Medicine, İstanbul, Türkiye
0000-0002-7512-1283
drozlems@hotmail.com

Assoc. Prof. Sema Çiftçi Doğanşen

University of Health Sciences Türkiye, Bakırköy
Dr. Sadi Konuk Training and Research Hospital,
Clinic of Endocrinology, İstanbul, Türkiye
0000-0002-0383-6562
sdogansen@gmail.com

Assoc. Prof. Zafer Çukurova

University of Health Sciences Türkiye, Bakırköy
Dr. Sadi Konuk Training and Research Hospital,
Clinic of Anesthesiology and Reanimation,
İstanbul, Türkiye
0000-0002-8893-3977
zcukurova@gmail.com

Language Editors

Galenos Publishing

Statistics Editors

Emire Bor

Administrative Office

University of Health Sciences Türkiye, Bakırköy
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



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 / tr.yayin@galenos.com.tr

Web: www.galenos.com.tr Publisher Certificate Number: 14521

Printing Date: December 2024

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

• **Prof. MD. Abdalbaki Kumbasar**

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

• **Prof. MD. Abdurrahim İmamoğlu**

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

• **Prof. MD. Adem Fazlıoğlu**

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

• **Assoc. Prof. MD. Ahmet Cem Dural**

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

• **Prof. MD. Ahmet Rahmi Onur**

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

• **Prof. MD. Ahmet Tan Cimilli**

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

• **Prof. MD. Ahmet Yaser Müslümoğlu**

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

• **Assoc. Prof. MD. Alev Kural**

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

• **Prof. MD. Ali Atan**

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

• **Assoc. Prof. MD. Ali Aycan Kavala**

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

• **Prof. MD. Ali Fuat Atmaca**

Memorial Hospital, Clinic of Urology, Ankara, Ankara, Türkiye

• **Prof. MD. Ali İhsan Taşçı**

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

• **Prof. MD. Ali Orhan Bilge**

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

• **Prof. MD. Ali Özdemir**

İstanbul Fatih Sultan Training and Research Hospital, Clinic of Internal Medicine, İstanbul, Türkiye

• **Prof. MD. Aliye Soylu**

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

• **Assoc. Prof. MD. Alper Ötünçtemur**

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

• **Prof. MD. Altan Sencer**

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

• **Assoc. Prof. MD. Altuğ Duramaz**

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

• **Prof. MD. Asıf Yıldırım**

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

• **Assoc. Prof. Asuman Gedikbaşı**

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

• **Prof. MD. Atilla Semerciöz**

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

• **Prof. MD. Ayhan Verit**

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

• **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

• **Assoc. Prof. MD. Berkan Reşörlü**

Memorial Ankara Hospital, Clinic of Urology, Ankara, Türkiye

• **Prof. MD. Bülent Erol**

Florence Nightingale Hospital, İstanbul, Türkiye

• **Assoc. Prof. MD. Burçe Can Kuru**

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

• **Assoc. Prof. MD. Cemal Bes**

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

• **Prof. MD. Cemal Kural**

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

• **Prof. MD. Cenk Gürbüz**

University of Beykoz, İstanbul, Türkiye

• **Assoc. Prof. MD. Cevher Akarsu**

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

• **Assoc. Prof. MD. Çiğdem Kekik**

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

• **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



Advisory Board

• **Assoc. Prof. MD. Damlanur Sakız**

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

• **Assoc. Prof. MD. Deniz Tural**

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

• **Assoc. Prof. MD. Didem Karaçetin**

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

• **Assoc. Prof. MD. Ebru Şen**

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

• **Assoc. Prof. MD. Elif Hocaoglu**

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

• **Assoc. Prof. MD. Emrah Yürük**

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

• **Assoc. Prof. MD. Emre Yıldırım**

Şahinbey Training and Research Hospital, Clinic of Gastroenterology, Gaziantep, Türkiye

• **Prof. MD. Enver Özdemir**

Eyüp Taksim Training and Research Hospital, Clinic of Urology, İstanbul, Türkiye

• **Prof. MD. Ercan İnci**

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

• **Prof. MD. Erdal Birol Bostancı**

T.C. The Ministry of Health Ankara Hospital, Division of Gastroenterology Surgery, Ankara, Türkiye

• **Prof. MD. Erdoğan Çetinkaya**

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

• **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

• **Assoc. Prof. MD. Esra Ataoğlu**

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

• **Prof. MD. Esra Şevketoğlu**

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

• **Prof. MD. Eyüp Veli Küçük**

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

• **Assoc. Prof. MD. Fadime Ulviye Yiğit**

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

• **Prof. MD. Fatih Altunren**

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

• **Prof. MD. Fatih Tunca**

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

• **Assoc. Prof. MD. Fatih Yanaral**

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

• **Assoc. Prof. MD. Fatma Nihan Turhan Çağlar**

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

• **Prof. MD. Fatma Oğuz Sarvan**

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

• **Assoc. Prof. MD. Fehmi Hindilerden**

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

• **Assoc. Prof. MD. Feyzi Arda Atar**

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

• **Assoc. Prof. MD. Figen Palabıyık**

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

• **Assoc. Prof. MD. Gökhan Atış**

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

• **Prof. MD. Gökhan Tolga Adaş**

University of Health Sciences Faculty of Medicine, Department of General Surgery, Division of Hepato-Pancreato-Biliary Surgery, İstanbul, Türkiye

• **Assoc. Prof. MD. Gökmen Sevinçdik**

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

• **Assoc. Prof. MD. Gökmen Umut Erdem**

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

• **Assoc. Prof. MD. Göksel Dikmen**

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

• **Assoc. Prof. MD. Günay Gül**

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

• **Prof. MD. Güralp Onur Ceyhan**

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

• **Assoc. Prof. MD. Habip Gedik**

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

Advisory Board

• **Assoc. Prof. MD. Hakan Güraslan**

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

• **Prof. MD. Halil Alış**

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

• **Assoc. Prof. MD. Halil Doğan**

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

• **Assoc. Prof. MD. Hatem Hakan Selçuk**

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

• **Assoc. Prof. MD. Hayat Kumbasar Karaosmanoğlu**

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

• **Assoc. Prof. MD. Hülya Ertaşoğlu Toydemir**

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

• **Prof. MD. I. Öner Doğan**

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

• **Assoc. Prof. MD. İbrahim Faruk Aktürk**

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

• **Assoc. Prof. MD. İbrahim Sayın**

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

• **Prof. MD. İlgin Özden**

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

• **Assoc. Prof. MD. İlkay Çakır**

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

• **Prof. MD. İlker Seçkiner**

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

• **Prof. MD. İsa Özbey**

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

• **Prof. MD. Kadriye Kart Yaşar**

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

• **Assoc. Prof. MD. Kamil Hakan Kaya**

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

• **Assoc. Prof. MD. Keziban Doğan**

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

• **Assoc. Prof. MD. Levent Yaşar**

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

• **Assoc. Prof. MD. Mehmet Abdussamet Bozkurt**

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

• **Assoc. Prof. MD. Mehmet Bedir Akyol**

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

• **Assoc. Prof. MD. Mehmet Hurşitoğlu**

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

• **Assoc. Prof. MD. Mehmet Karabulut**

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

• **Prof. MD. Mehmet Soy**

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

• **Prof. MD. Mehmet Yılmaz**

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

• **Assoc. Prof. MD. Mehmet Yürüyen**

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

• **Assoc. Prof. MD. Meltem Vural**

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

• **Assoc. Prof. MD. Meral Mert**

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

• **Prof. MD. Mert Murat Erkan**

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

• **Assoc. Prof. MD. Mesrur Selçuk Sılay**

Memorial Hospital, Clinic of Urology, Istanbul, Türkiye

• **Assoc. Prof. MD. Metin Öztürk**

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

• **Assoc. Prof. MD. Mualla Biçer Gençbay**

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

• **Prof. MD. Murat Bozlu**

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

• **Assoc. Prof. MD. Murat Çabalar**

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

• **Assoc. Prof. MD. Murat Ekin**

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



Advisory Board

• **Assoc. Prof. MD. Murat Gönenç**

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

• **Assoc. Prof. MD. Mustafa Gökhan Bilgili**

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

• **Assoc. Prof. MD. Mustafa Suphi Elbistanlı**

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

• **Assoc. Prof. MD. Mürvet Yılmaz**

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

• **Assoc. Prof. MD. Necati Çitak**

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

• **Assoc. Prof. MD. Nevin Hatipoğlu**

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

• **Assoc. Prof. MD. Nihat Demirhan Demirkıran**

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

• **Assoc. Prof. MD. Nilgün Işıksağan**

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

• **Prof. MD. Numan Görgülü**

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

• **Assoc. Prof. MD. Nuri Alper Şahbaz**

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

• **Assoc. Prof. MD. Oğuzhan Ekizoğlu**

The University of Geneva Centre Universitaire Romand De Médecine
Légale, Lousanne-Geneve, Switzerland

• **Prof. MD. Oktar Asoğlu**

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

• **Assoc. Prof. MD. Osman Köneş**

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

• **Assoc. Prof. MD. Özgül Salihoğlu**

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

• **Assoc. Prof. MD. Özlem Altuntaş Aydın**

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

• **Assoc. Prof. MD. Rahim Horuz**

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

• **Assoc. Prof. MD. Ramadan Özmanevra**

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

• **Assoc. Prof. MD. Sadık Sami Hatipoğlu**

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

• **Assoc. Prof. MD. Saygın Türkyılmaz**

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

• **Assoc. Prof. MD. Sebahat Tülpar**

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

• **Assoc. Prof. MD. Selçuk Şahin**

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

• **Assoc. Prof. MD. Selda Çelik**

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

• **Assoc. Prof. MD. Sema Çiftçi Doğanşen**

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

• **Assoc. Prof. MD. Serdar Altınay**

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

• **Assoc. 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

• **Assoc. Prof. MD. Serkan İpek**

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

• **Assoc. Prof. MD. Sibel Çağlar**

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

• **Assoc. Prof. MD. Sinan Levent Kireççi**

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

• **Prof. MD. Süheyla Apaydın**

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

• **Assoc. Prof. MD. Tayfun Oktar**

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

• **Assoc. Prof. MD. Timuçin Taner**

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

• **Assoc. Prof. MD. Turgut Dönmez**

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

Advisory Board

- **Assoc. Prof. MD. Tzevat Tefvik**

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

- **Prof. MD. Vildan Ayşe Yayla**

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

- **Prof. MD. Volkan Tuğcu**

Memorial Hospital, Clinic of Urology, İstanbul, Türkiye

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

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

- **Exp. Dr. Yavuz Onur Danacıoğlu**

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

- **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

- **Prof. MD. Yusuf Özlem İlber**

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

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

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

- **Assoc. Prof. MD. Zahide Mine Yazıcı**

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

- **Prof. MD. Zeynel Abidin Öztürk**

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

- **Assoc. Prof. MD. Zeynep Çizmeci**

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



Contents

Letter to the Editor

- 284 Artificial Intelligence in Dermatology and Future Treatment Plans**
Dermatolojide Yapay Zeka Kullanımı ve Gelecekteki Tedavi Planları
Mustafa Tümtürk; İstanbul Türkiye

Researches

- 286 Dyspnea and Quality of Life in Patients with Lung Cancer**
Akciğer Kanseri Hastalarında Dispne ve Yaşam Kalitesi
Seda Kurt, Serap Unsar, İrem Yıldız Çilengiroğlu; Edirne, Türkiye
- 296 Endoscopic Transsphenoidal Approach to Somatotroph Adenomas in Pediatric Patients**
Pediatrik Populasyonda Somatotrof Adenomlara Endoskopik Transsphenoidal Yaklaşım
Melih Çaklılı, Savaş Ceylan; Kocaeli, İstanbul, Türkiye
- 302 Predictive Value of Plasma Zonulin Levels during Early Gestational Weeks in Gestational Diabetes Mellitus**
Erken Gestasyonel Haftalarda Değerlendirilen Plazma Zonulin Düzeylerinin Gestasyonel Diabetes Mellitus İçin Prediktif Değeri
Celal Cengiz, Lebriz Hale Aktün Tamer, Volkan Ülker, Mustafa Cengiz, İsa Aykut Özdemir; Batman, İstanbul, Siirt, Türkiye
- 308 Functional and Radiological Comparison and Evaluation of Gustilo-Anderson Type 3 Open Tibia Fractures Treated with an Ilizarov External Fixator**
İlizarov Eksternal Fiksatorle Tedavi Edilen Gustilo-Anderson Tip 3 Açık Tibia Kırıklarının Fonksiyonel ve Radyolojik Değerlendirilmesi
Malik Çelik, Alkan Bayrak, Vedat Öztürk, Cemal Kızılkaya, Mustafa Cevdet Avkan; İstanbul, Türkiye
- 315 The Importance of Hip Pathologies in Neurosurgery Practice: A Retrospective Analysis**
Nöroşirürji Pratiğinde Kalça Patolojilerinin Önemi: Retrospektif Analiz
Mustafa Umut Etlî, Furkan Avcı, Semra Işık, Faruk Buğra Özdemir, Zekeriya Gedikli, Ali Erhan Kayalar, Luay Şerifoğlu, Gonca Gül Öndüç, Ali Fatih Ramazanoğlu; İstanbul, Tokat, Türkiye
- 319 Relationship between Immune Thrombocytopenic Purpura and Thyroid Diseases**
İmmün Trombositopenik Purpura ve Tiroid Hastalıkları Arasındaki İlişki
Deniz Yılmaz, Emine Gültürk, Fatma Akyol, Kübra Arıkan, Felemez Arslan; İstanbul, Türkiye
- 326 Is Submuscular Plating as Effective and Safe as Elastic Stable Intramedullary Nailing for Pediatric Diaphyseal Fractures of the Femur?**
Pediatrik Femur Diyafiz Kırıklarında Submusküler Plaklama, Elastik Çivileme Kadar Etkili ve Güvenli midir?
Gürkan Çalışkan, Orhun Çelik, Yunus Elmas, Cemil Ertürk; İstanbul, Kahramanmaraş, Muş, Türkiye
- 333 Research on the Endoplasmic Reticulum Stress-mediated Protective Effect of Melatonin against Cardiotoxicity Following Cisplatin Treatment**
Sisplatinin Oluşturacağı Kardiyotoksisteye Karşı Melatoninin Endoplazmik Retikulum Stresi Aracılı Koruyucu Etkisinin Araştırılması
Tayfun Ceylan, Murat Ünsal, Emin Kaymak, Ali Tuğrul Akın, Nurhan Kuloğlu, Derya Karabulut, Birkan Yakan; Nevşehir, Kayseri, Yozgat, İstanbul, Niğde, Türkiye
- 340 Single-center Surgical Outcomes of Arteriovenous Fistula Aneurysms in Patients with Chronic Renal Failure**
Kronik Böbrek Yetmezliği Hastalarında Arteriyovenöz Fistül Anevrizmalarının Tek Merkezli Cerrahi Sonuçları
Hasan Toz, Yusuf Kuserli, Gülsüm Türkyılmaz, Saygın Türkyılmaz, Hakan Bahadır, Ali Aycan Kavalı; İstanbul, Türkiye



Contents

347 Newly Identified Preventable Risk Factors for Neonatal Clavicle Fractures

Yenidoğan Klavikula Kırıkları için Yeni Önlenebilir Risk Faktörleri
Sema Ertan Bırsel, Muhammed Taha Demir, Olgar Bırsel; İstanbul, Türkiye

Case Report

354 Cases of Multiple Tracheobronchial Diverticulosis Characterized by Recurrent Pneumonia Episodes

Tekrarlayan Pnömoniler ile Karakterize Çoklu Trakeobronşiyal Divertikülozis Olguları
Hüseyin Kaya, Serap Argun Barış, İlknur Başyigit, Haşim Boyacı; Kocaeli, Türkiye

Index

2024 Referee Index - 2024 Hakem İndeksi

2024 Author Index - 2024 Yazar İndeksi

2024 Subject Index - 2024 Konu İndeksi