



İstanbul MEDICAL JOURNAL

İ S T A N B U L T İ P D E R G İ S İ

VOLUME 27 • ISSUE 2 • May 2026

Editorial

Back to the Future: From Bariatric Surgery to Pharmacotherapy in Obesity Management
Feray Akbaş; İstanbul, Türkiye

Original Articles

LLM Performance in Emergency Medicine Questions
Eke Kurt and Bahadırılı; İstanbul, Türkiye

Evaluation of Core Endurance in Fibromyalgia
Bağlan Yentür et al.; Elazığ, Türkiye

Urinary β 2-Microglobulin as Renal Recovery Marker
Srinivas et al.; Chengalpattu, India

Female Pelvic CT Dose Phantom Evaluation
Tunçman Kayaokay et al.; İstanbul, Türkiye

Calcar vs. Distal Fixation in Hemiarthroplasty
Karagöz et al.; İstanbul, Bursa, Adıyaman, Türkiye

Attention and Cognitive Flexibility in Pregnancy
Deşer et al.; İstanbul, Türkiye

Iron Stores and Diabetic Complications
Ateş and Saler. Adana, Türkiye

AI-generated Information on Abdominal US
Salbas et al.; İzmir, Türkiye

Inflammatory Myopericardial Syndrome and Fibrosis-4 Index
Altuntaş et al.; İstanbul, Türkiye

Papillary Breast Cytology: Neoplastic Risk
Özcan and Başkan; İstanbul, Türkiye

ICU Admission After Urological Cancer Surgery
Ateşal and Tünay; İstanbul, Türkiye

Structured Homecare Intervention and Caregiver Knowledge
Faeq Mohammed and Saleem Hasan; Erbil, Iraq

Macular Choroidal Thickness in NTG and OHT
Çiftci et al.; Mersin, İstanbul, Denizli, Türkiye

Letter to the Editor

The Turkish Version of the PAED Scale
Faruk Çiçekci; Konya, Türkiye

istanbulmedicaljournal.org



İstanbul MEDICAL JOURNAL

İ S T A N B U L T İ P D E R G İ S İ

Owner

Prof., Mehmet TOPTAŞ, MD

Department of Anesthesiology and Reanimation, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

E-mail: dr.mehmettoptas@hotmail.com

ORCID ID: <https://orcid.org/0000-0002-3118-8793>

Editor in Chief

Prof., Feray AKBAŞ, MD

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

E-mail: atlibatur@yahoo.com

ORCID ID: <https://orcid.org/0000-0001-5091-9160>

Associate Editors

Prof., Turgut KARABAĞ, MD

Department of Cardiology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

E-mail: turgutkarabag@yahoo.com

ORCID ID: <https://orcid.org/0000-0003-3731-8699>

Assoc. Prof., Ahmet ÖZ, MD

Department of Cardiology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

E-mail: drozahmet@gmail.com

ORCID ID: <https://orcid.org/0000-0003-0268-9641>

Assoc. Prof., İlkey Gültürk, MD

Department of Oncology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

E-mail: gulturkilay@gmail.com

ORCID ID: <https://orcid.org/0000-0003-1998-3150>

Prof., Didem ARMAN, MD

Department of Pediatrics, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

E-mail: dr_didemcaktir@yahoo.com

ORCID ID: <https://orcid.org/0000-0002-7218-9207>

Assoc. Prof., Özlem DİKME, MD

Department of Emergency Medicine, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

E-mail: ozlemdikmemd@gmail.com

ORCID ID: <https://orcid.org/0000-0002-9739-3925>

Publishing Manager

Esra KARABAL ARDA

M.D., Healthcare Management, İstanbul Training and Research Hospital, İstanbul, Türkiye



Publisher Contact

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

Phone: +90 (530) 177 30 97 / +90 (539) 307 32 03

E-mail: info@galenos.com.tr / yayin@galenos.com.tr

Web: www.galenos.com.tr

Publisher Certificate Number: 14521

Publication Date: May 2026

ISSN: 2619-9793 E-ISSN: 2148-094X

International periodical journal published four times in a year.



İstanbul

MEDICAL JOURNAL

İ S T A N B U L T İ P D E R G İ S İ

Advisory Board

Emergency Medicine

Özgür DİKME

Department of Emergency Medicine, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Özlem DİKME

Department of Emergency Medicine, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Family Medicine

Zuhal AYDAN SAĞLAM

Department of Family Medicine, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Yalçın HACIOĞLU

Department of Family Medicine, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Anesthesiology and Reanimation

Mehmet TOPTAŞ

Department of Anesthesiology and Reanimation, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Kazım KARAASLAN

Department of Anesthesiology and Reanimation, Bezmialem Vakıf University Faculty of Medicine, İstanbul, Türkiye

Murat HALILOĞLU

Department of Anesthesiology and Reanimation, Marmara University of Faculty of Medicine, İstanbul, Türkiye

Ali Fuat ERDEM

Department of Anesthesiology and Reanimation, Sakarya University Faculty of Medicine, Sakarya, Türkiye

Oktay DEMİRKIRAN

Department of Anesthesiology and Reanimation, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Türkiye

Veysel ERDEN

Department of Anesthesiology and Reanimation, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Antonio M. ESQUINAS

Intensive Care Unit and Non Invasive Ventilatory Unit, Hospital Morales Meseguer, Murcia, Spain

Fatma Yeşim ABUT

Department of Anesthesiology and Reanimation, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Neurosurgery

Okan TÜRK

Department of Neurosurgery, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Pediatrics

Özben CEYLAN

Department of Pediatrics, Pediatric Cardiology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Murat ELEVLI

Department of Pediatrics, University of Health Sciences Türkiye, İstanbul Haseki Training and Research Hospital, İstanbul, Türkiye

Öner ÖZDEMİR

Department of Pediatrics, Division of Pediatric Allergy and Immunology, Sakarya University Faculty of Medicine, Sakarya, Türkiye

Kenan BARUT

Department of Pediatrics, Division of Pediatric Rheumatology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Türkiye

Hande KIZILOCAK

Department of Pediatrics, Children's Hospital Los Angeles Research Scientist, Los Angeles, United States of America

Didem ARMAN

Department of Pediatrics, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Pediatric Surgery

Ali İhsan DOKUCU

Department of Pediatric Surgery, Prof. Dr. Cemil Taşçıoğlu City Hospital, İstanbul, Türkiye

Yunus SÖYLET

Department of Pediatric Surgery, Division of Urology, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Türkiye



İstanbul MEDICAL JOURNAL

İ S T A N B U L T İ P D E R G İ S İ

Pediatric Cardiovascular Surgery

Ali Can HATEMİ

Department of Pediatric Cardiovascular Surgery, University of Health Sciences Türkiye, Başakşehir Çam and Sakura City Hospital, İstanbul, Türkiye

Dermatology

Ayşe Esra KOKU AKSU

Department of Dermatology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Mehmet Salih GÜREL

Department of Dermatology, İstanbul Medeniyet University Faculty of Medicine, İstanbul, Türkiye

Infectious Diseases and Clinical Microbiology

Nagehan Didem SARI

Department of Infectious Diseases and Clinical Microbiology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Mustafa YILDIRIM

Department of Infectious Diseases and Clinical Microbiology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Naim MAHROUM

Department of Infectious Diseases and Clinical Microbiology, Tel Aviv University Faculty of Medicine, Tel Aviv, İsrail

Physical Medicine and Rehabilitation

Ebru AYTEKİN

Department of Physical Medicine and Rehabilitation, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Nalan ÇAPAN

Department of Physical Therapy and Rehabilitation, İstanbul University, İstanbul Faculty of Medicine, İstanbul, Türkiye

General Surgery

Serkan SARI

Department of General Surgery, University of Health Sciences Türkiye, Başakşehir Çam and Sakura Training and Research Hospital, İstanbul, Türkiye

Mert Mahzuni SEVİNÇ

Department of General Medicine, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Ufuk Oğuz İDİZ

Department of General Medicine, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Hasan ÖKMEN

Department of General Medicine, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Chest Diseases

Erdoğan ÇETİNKAYA

Department of Chest Diseases, University of Health Sciences Türkiye, Yedikule Chest Diseases and Thoracic Surgery Training and Research Hospital, İstanbul, Türkiye

Seda TURAL ÖNÜR

Department of Chest Diseases, University of Health Sciences Türkiye, Yedikule Chest Diseases and Thoracic Surgery Training and Research Hospital, İstanbul, Türkiye

Sedat ALTIN

Department of Chest Diseases, University of Health Sciences Türkiye, Yedikule Chest Diseases and Chest Surgery Training and Research Hospital, İstanbul, Türkiye

Alexandru CORLATEANU

Department of Chest Diseases, State University of Medicine and Pharmacy, Moldova

Chest Surgery

Kemal KARAPINAR

Department of Chest Surgery, University of Health Sciences Türkiye, İstanbul Yedikule Pulmonary Diseases and Thoracic Surgery Training and Research Hospital, İstanbul, Türkiye

Levent CANSEVER

Department of Chest Surgery, University of Health Sciences Türkiye, Yedikule Chest Diseases and Chest Surgery Training and Research Hospital, İstanbul, Türkiye

Eye Diseases

Özen AYRANCI

Department of Eye Diseases, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Yusuf YILDIRIM

Department of Ophthalmology, University of Health Sciences Türkiye, İstanbul Beyoğlu Eye Training and Research Hospital, İstanbul, Türkiye



İstanbul MEDICAL JOURNAL

İ S T A N B U L T İ P D E R G İ S İ

Public Health

Elif Altundaş HATMAN

Department of Public Health, University of Health Sciences Türkiye, Yedikule Chest Diseases and Thoracic Surgery Training and Research Hospital, İstanbul, Türkiye

Sibel SAKARYA

Department of Public Health, Koç University Faculty of Medicine, İstanbul, Türkiye

Aleksandar VİSNJIC

Department of Public Health, Division of Health Management, University of Nis Faculty of Medicine, Nis, Serbia

Internal Medicine

Prof. Dr. Feray AKBAŞ

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

Hanife USTA ATMACA

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

Mehmet Emin PİŞKİNPAŞA

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

Füsün ERDENEN

Department of Internal Medicine, Division of Immunology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Savaş ÖZTÜRK

Department of Internal Medicine, Division of Nephrology, İstanbul University, İstanbul Faculty of Medicine, İstanbul, Türkiye

Dragan MİCIC

Department of Internal Medicine, Division of Endocrinology, University of Belgrade, Belgrade, Serbia

Obstetrics and Gynaecology

Gülşah İLHAN

Department of Obstetrics and Gynaecology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Nil ATAKUL

Department of Obstetrics and Gynaecology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Cardiovascular Surgery

Oruç Alper ONK

Department of Cardiovascular Surgery, Erzincan Binali Yıldırım University Faculty of Medicine, Erzincan, Türkiye

Cardiology

Turgut KARABAĞ

Department of Cardiology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Mehmet Mustafa CAN

Department of Cardiology, University of Health Sciences Türkiye, İstanbul Haseki Training and Research Hospital, İstanbul, Türkiye

Matteo CAMELİ

Department of Medical Biotechnologies, Division of Cardiology, University of Siena, Siena, Italy

Ahmet ÖZ

Department of Cardiology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Otorhinolaryngology

Özgür YİĞİT

Department of Otorhinolaryngology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Reşit Murat AÇIKALIN

Department of Otorhinolaryngology, University of Health Sciences Türkiye, İstanbul Haseki Training and Research Hospital, İstanbul, Türkiye

Neurology

Ufuk Emre TOPRAK

Department of Neurology, University of Health Sciences Türkiye, İstanbul Training and Research Hospital, İstanbul, Türkiye

Şenay AYDIN

Department of Neurology, University of Health Sciences Türkiye, Yedikule Chest Diseases and Thoracic Surgery Training and Research Hospital, İstanbul, Türkiye



İstanbul MEDICAL JOURNAL

İ S T A N B U L T İ P D E R G İ S İ

Gülşen YILDIZ

Department of Neurology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Nuclear Medicine

Tevfik Fikret ÇERMİK

Department of Nuclear Medicine, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Esra ARSLAN

Department of Nuclear Medicine, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Orthopedics and Traumatology

Yusuf ÖZTÜRKMEN

Department of Orthopedics and Traumatology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Mehmet Fatih KORKMAZ

Department of Orthopedics and Traumatology, Medeniyet University Faculty of Medicine, Istanbul, Türkiye

Esra ÇIRCI ÖZYÜREK

Department of Orthopedics and Traumatology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Plastic, Reconstructive and Aesthetic Surgery

Oğuz ÇETİNKALE

Department of Plastic, Reconstructive and Aesthetic Surgery, Istanbul University-Cerrahpaşa Faculty of Medicine, Istanbul, Türkiye

Psychiatry

Sevda BAĞ

Department of Psychiatry, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Radiation Oncology

Özlem MERMUT

Department of Radiation Oncology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Berrin YALÇIN

Department of Radiation Oncology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Radiology

Abdullah Soydan MAHMUTOĞLU

Department of Radiology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye
Medical Biochemistry

Medical Biochemistry

Berrin BERÇİK İNAL

Department of Medical Biochemistry, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Bağnu ORHAN

Department of Medical Biochemistry, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Medical Pathology

Halide Nur ÜRER

Department of Medical Pathology, Yedikule Chest Diseases and Thoracic Surgery Training and Research Hospital, Istanbul, Türkiye

Cem LEBLEBİCİ

Department of Pathology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Ezgi HACIHASANOĞLU

Department of Pathology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Urology

Ali İhsan TAŞÇI

Department of Urology, Bakırköy Dr. Sadi Konuk Training and Research Hospital, Istanbul, Türkiye

Mahmut Gökhan TOKTAŞ

Department of Urology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye

Hüseyin Aytaç ATEŞ

Department of Urology, University of Health Sciences Türkiye, Istanbul Training and Research Hospital, Istanbul, Türkiye



istanbul

MEDICAL JOURNAL

İ S T A N B U L T İ P D E R G İ S İ

Please refer to the journal's webpage (<https://istanbulmedicaljournal.org/>) for "About Us" and "Instructions to Authors".

The İstanbul Medical Journal and/or its editors are members of ICMJE, COPE, WAME, CSE and EASE, and follow their recommendations.

The İstanbul Medical Journal is indexed in Web of Science-Emerging Sources Citation Index, EBSCO, Gale, TUBITAK ULAKBIM TR Index, ProQuest, Embase, Türk Atif Dizini, Türk Medline, DOAJ, Ardi, Hinari, Goali, Oare, CAB International (CABI) and J-GATE.

The journal is published online.

Owner: İstanbul Training and Research Hospital

Responsible Manager: Feray Akbaş

istanbulmedicaljournal.org



İstanbul MEDICAL JOURNAL

İ S T A N B U L T İ P D E R G İ S İ

CONTENTS

Editorial

- 95 Back to the Future: From Bariatric Surgery to Pharmacotherapy in Obesity Management
Feray Akbaş; İstanbul, Türkiye

Original Investigations

- 97 Performance Evaluation of Large Language Models in Emergency Medicine Specialty Examination Questions: A Cross-Sectional Study
Şebnem Zeynep Eke Kurt, Suphi Bahadır; İstanbul, Türkiye
- 103 Evaluation of Balance and Core Endurance in Patients with Fibromyalgia Syndrome
Sungul Baglan Yentur, Muhammet Sahin Elbasti, Bekir Dagdeviren, Derya Cetintas; Elazığ, Türkiye
- 112 Urine Beta 2 Microglobulin as a Marker of Recovery in Intrinsic Acute Kidney Injury Patients – a Prospective Observational Study
Ashwin Srinivas, Keshavprakash Viruthagiri, Reena Jose David Xavier, Purnima Ramkumar, Vidya Thirupathipannaiyam Ananthakrishnan; Chengalpattu, India
- 116 Evaluation of Organ Doses to Female Reproductive System During Abdominal CT Imaging: A Phantom Study
Duygu Tunçman Kayaokay, Berrin Yalçın, Aysun Özsoy Ata, Özge Coşkun Sağlam, Osman Günay, Mustafa Demir, Fahrettin Fatih Kesmezacar; İstanbul, Türkiye
- 122 Is a Calcar-Replacement Femoral Stem as Effective as a Diaphyseal-Fixation Modular Stem in Hemiarthroplasty for Unstable Intertrochanteric Fractures?
Bekir Karagöz, Mustafa Erdem, Ali Geçer, Hünkar Çağdaş Bayrak, Alican Barış, İsmail Ağır; Eskişehir, Afyon, İstanbul, Bursa, Adıyaman, Türkiye
- 129 Relationship Between Cognitive Flexibility, Pregnancy-Related Anxiety, and Attentional Functions in Pregnant Women
Aslı Deşer, Sibel Tunç Karaman, Okcan Basat; İstanbul, Türkiye
- 136 The Relationship Between Iron Stores, Type 2 Diabetes, and Diabetic Complications
Muhammet Ateş, Tayyibe Saler; Adana, Türkiye
- 143 Evaluation of Artificial Intelligence-Generated Information About Abdominal Ultrasonography
Ali Salbas, Gözde Merve Tekel, Aslı Dilara Büyüktoka, Raşit Eren Büyüktoka, Ali Murat Koc, Atilla Hikmet Çilengir; İzmir, Türkiye
- 149 The Relationship Between Fibrosis-4 Score and Major Cardiovascular Events and Mortality in Patients Under 40 Years of Age with Acute Myocarditis
Emine Altuntaş, Kadir Sadıkoğlu, Kübra Balçın, Gizemnur Coşkun, Hasan Şahin, Abidin Emre Tırnaksız, Mehmet Ertürk; İstanbul, Türkiye
- 155 Cytologic Evaluation of Papillary Breast Lesions: A 35-Case Series with Histopathologic Correlation and Clinical Follow-Up
Burcu Özcan, Ayşenur Başkan; İstanbul, Türkiye
- 159 Factors Determining Admission to the Intensive Care Unit After Urologic Cancer Surgery and Clinical Outcomes
Özlem Ateşal, Abdurrahman Tünay; İstanbul, Türkiye
- 164 The Impact of a Structured Homecare Intervention Program on Caregivers' Knowledge of Children with Cerebral Palsy in Kirkuk City
Huda Faeq Mohammed, Shukir Saleem Hasan; Erbil, Iraq
- 171 Comparison of Macular Choroidal Thickness in Treatment-Naive Normal-Tension Glaucoma and Ocular Hypertension Patients
Furkan Çiftçi, Sibel Zirtloğlu, Mustafa Suat Alıkma; Mersin, İstanbul, Denizli, Türkiye

Letter to the Editor

- 177 Letter to the Editor: "Which is the Best Timing for Ultrasound-Guided Transversus Abdominis Plane Block During Laparoscopic Cholecystectomy: Preoperative or Postoperative?"
Faruk Çiçekci; Konya, Türkiye