

e-ISSN: 2636-8579

JHSM

Journal of Health Sciences and Medicine

VOLUME: 8

ISSUE: 5

YEAR: 2025

HONORARY EDITOR

Prof. Osman GÜLER

Department of General Surgery, Faculty of Medicine, Kastamonu University,
Kastamonu, Türkiye

EDITORS-IN-CHIEF

Prof. Aydın ÇİFCİ

Department of Internal Medicine, Faculty of Medicine,
Kırıkkale University, Kırıkkale, Türkiye

Prof. Mehmet Özgür ERDOĞAN

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

ASSOCIATE EDITORS-IN-CHIEF

Assoc. Prof. Elif PINAR BAKIR

Department of Restorative Dentistry, Faculty of Dentistry,
Dicle University, Diyarbakır, Türkiye

Asst. Prof. Furkan SOY

Department of Orthopedics and Traumatology,
Faculty of Medicine, Kırıkkale University, Kırıkkale, Türkiye

Asst. Prof. Emine SARMAN

Department of Histology and Embriology, Faculty of Medicine,
Afyonkarahisar Health Sciences University, Afyonkarahisar, Türkiye

Assoc. Prof. Tuğba GÜRBÜZ

Department of Obstetrics and Gynecology, Medistate Hospital,
İstanbul, Türkiye

ENGLISH LANGUAGE EDITOR

Assoc. Prof. Mustafa CİVELEKLER

Department of Ophthalmology, Gülhane Training and Research
Hospital, University of Health Sciences, Ankara, Türkiye

STATISTICS EDITOR

Ahsen CEYLAN, MD

Medical Devices Technical Regulation Expert, Clinical Expert, UDEM,
Ankara, Türkiye

EDITORIAL BOARD

Assoc. Prof. Ahmet EKEN

Department of Medical Biology, Faculty of Medicine,
Erciyes University, Kayseri, Türkiye

Prof. Berna AKINCI ÖZYÜREK

Department of Chest Diseases, Ankara Atatürk
Sanatorium Training and Research Hospital,
University of Health Sciences,
Ankara, Türkiye

Prof. Alpaslan TANOĞLU

Department of Gastroenterology, Medical Park Göztepe Hospital
Complex, Faculty of Medicine, Bahçeşehir University,
İstanbul, Türkiye

Spec. Bulut DEMİREL, MD

Department of Emergency Medicine, Faculty of Medicine,
Queen Elizabeth University, Paisley,
Glasgow, United Kingdom

Prof. Alpaslan Kemal TUZCU

Division of Endocrinology and Metabolism, Department of
Internal Medicine, Faculty of Medicine, Dicle University,
Diyarbakır, Türkiye

Prof. Can CEDIDI

Department of Plastic, Reconstructif and Aesthetic Surgery,
Bremen, Germany

Prof. Ayşegül ALTUNKESER

Department of Radiology, Konya City Hospital,
Hamidiye Faculty of Medicine, University of
Health Sciences, Konya, Türkiye

Prof. Ebru OLGUN

Department of Periodontology, Faculty of Dentistry, Kırıkkale
University, Kırıkkale, Türkiye

Prof. Ekrem ÜNAL

Department of Pediatric Hematology & Oncology,
Medical Point Gaziantep Hospital,
Gaziantep, Türkiye

Prof. Ela CÖMERT

Department of Ear Nose Throat, Faculty of Medicine, Kırıkkale
University, Kırıkkale, Türkiye

Assoc. Prof Emrah ÖZAKAR

Department of Pharmaceutical Technology, Faculty of Pharmacy,
Atatürk University, Erzurum, Türkiye

Assoc. Prof. Faruk PEHLİVANLI

Department of General Surgery, Faculty of Medicine, Kırıkkale
University, Kırıkkale, Türkiye

Prof. Fatma NİŞANCI KILIÇ

Department of Nutrition and Dietetics, Faculty of Health Sciences,
Kırıkkale University, Kırıkkale, Türkiye

Asst. Prof. Fuat TÜRK

Department of Computer Engineering, Faculty of Engineering,
Kırıkkale University, Kırıkkale, Türkiye

Assoc. Prof. Harun DÜĞEROĞLU

Department of Internal Medicine, Faculty of Medicine,
Ordu University, Ordu, Türkiye

Spec. Hidayet MAMMAZADA, MD

Department of Endocrinology and Metabolism, Bakü Medical Plaza
Hospital, Bakü, Azerbaijan

Prof. İbrahim Celalettin HAZNEDAROĞLU

Division of Hematology, Department of Internal Medicine,
Faculty of Medicine, Hacettepe University,
Ankara, Türkiye

Assoc. Prof. İbrahim Halil İNANÇ

Department of Cardiology, Phoenixville Hospital, Towerhealth,
Phoenixville, Pennsylvania, USA

Assoc. Prof. İhsan SOLMAZ

Department of Internal Medicine, Gazi Yaşargil Training
and Research Hospital, University of Health Sciences,
Diyarbakır, Türkiye

Assoc. Prof. İzzet BİNGÖL

Department of Orthopedics and Traumatology, Ankara Bilkent
City Hospital, Ankara, Türkiye

Prof. Kaan OKYAY

Department of Cardiology, Başkent University Ankara Hospital,
Faculty of Medicine, Başkent University, Ankara, Türkiye

Assoc. Prof. Kenan ÇADIRCI

Department of Internal Medicine, Erzurum Region Training
and Research Hospital, Erzurum Faculty of Medicine,
University of Health Sciences, Erzurum, Türkiye

Prof. Mehmet ÇITIRIK

Department of Ophthalmology, Ankara Etlik City Hospital,
Ankara, Türkiye

Assoc. Prof. Mehmet ZENGİN

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

Assoc. Prof. Mehmet Emin DEMİR

Department of Nephrology, Medicana International Ankara
Hospital, Faculty of Medicine, Atılım University, Ankara, Türkiye

Assoc. Prof. Mehmet Fatih YETKİN

Department of Neurology, Faculty of Medicine,
Erciyes University, Kayseri, Türkiye

Prof. Mehmet Sinan DAL

Department of Hematology and Bone Transplantation Unit, Dr.
Abdurrahman Yurtaslan Ankara Oncology Training and Research
Hospital, University of Health Sciences, Ankara, Türkiye

Assoc. Prof. Meltem HENDEK

Department of Periodontology, Faculty of Dentistry,
Kırıkkale University, Kırıkkale, Türkiye

Assoc. Prof. Muhammed KARADENİZ

Department of Cardiology, Faculty of Medicine, Kırıkkale
University, Kırıkkale, Türkiye

Assoc. Prof. Murat DOĞAN

Department of Internal Medicine, Hitit University Erol Olçok
Training and Research Hospital, Faculty of Medicine,
Hitit University, Çorum, Türkiye

Prof. Murat KEKİLLİ

Division of Gastroenterology, Department of Internal Medicine,
Faculty of Medicine, Gazi University, Ankara, Türkiye

Assoc. Prof. Mustafa ÇAPRAZ

Department of Internal Medicine, Faculty of Medicine,
Amasya University, Amasya, Türkiye

Prof. Neven SKITARELIC

Department of Ear Nose Throat, School of Medicine,
University of Zadar, Zadar, Croatia

Prof. Nuray BAYAR MULUK

Department of Ear Nose Throat, Faculty of Medicine,
Kırıkkale University, Kırıkkale, Türkiye

Assoc. Prof. Özge VERGİLİ

Department of Physiotherapy and Rehabilitation, Faculty of Health
Sciences, Kırıkkale University, Kırıkkale, Türkiye

Prof. Ranko MLADINA

Department of Ear Nose Throat, Zagreb, Croatia

Assoc. Prof. Rüçhan Bahadır CELEP

Division of Gastroenterologic Surgery, Department of General
Surgery, Hygeia Hospital, Tirana, Albania

Prof. Salih CESUR

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

Assoc. Prof. Süleyman GÖKMEN

Department of Food Processing, Technical Sciences Vocational
School, Faculty of Engineering, Karamanoğlu Mehmetbey
University, Karaman, Türkiye

Assoc. Prof. Tuğçe ŞAHİN ÖZDEMİREL

Department of Chest Diseases, Ankara Atatürk Sanatorium Training
and Research Hospital, University of Health Sciences,
Ankara, Türkiye

Prof. Vedat TOPSAKAL

Department of Ear Nose Throat, Faculty of Medicine,
University Hospital Brussels, Brussels, Belgium

Assoc. Prof. Yaşar TOPAL

Department of Pediatrics, Faculty of Medicine, Muğla Sıtkı
Koçman University, Muğla, Türkiye

Assoc. Prof. Yücel YILMAZ

Department of Cardiology, Kayseri City Hospital,
Kayseri, Türkiye

Assoc. Prof. Zafer PEKKOLAY

Division of Endocrinology and Metabolism,
Department of Internal Medicine, Faculty of Medicine,
Dicle University, Diyarbakır, Türkiye

Prof. Zaim JATIC

Department of Family Medicine, Faculty of Medicine,
University of Sarajevo, Sarajevo,
Bosnia-Herzegovina

Assoc. Prof. Ziya ŞENCAN

Department of Ear Nose Throat, Faculty of Medicine, Kırıkkale
University, Kırıkkale, Türkiye

FRANCHISE OWNER

MediHealth Academy Publishing

LAYOUT EDITOR

Şerife KUTLU

Engineer, MediHealth Academy Publishing, Ankara, Türkiye

CORRESPONDENCE ADDRESS

Sağlık Bilimleri Üniversitesi Teknoloji Geliştirme Merkezi (SBÜ TEKMER)
Gülhane Yerleşkesi, Emrah Mah. General Dr. Tevfik Sağlam Cad. No: 2/67
İç Kapı No: 105, Keçiören/Ankara, Türkiye
E-mail: mha@medihealthacademy.com
www.medihealthacademy.com

ARTICLE SUBMISSION ADDRESS

<https://dergipark.org.tr/tr/journal/2316/submission/step/manuscript/new>

Original Articles

- A two-decade bibliometric exploration of AI applications in obstetrics and gynecology (2005-2024) 739-746**
Kılıç Hamzaoğlu F.
- Prognostic value of Systemic Immune-Inflammation Index in head and neck cancer 747-753**
Kavak EE, Dilli İ, Bayır Ö, Demirci H, Özlügedik S.
- Diagnostic adequacy of thyroid fine needle aspiration biopsy: a comparative analysis by age and gender..... 754-758**
Bilgin E, Bayrak A.
- Evaluating the Turkish validity and reliability of the Mini Z 2.0 Clinician Worklife Survey among physicians..... 759-764**
Kaçmaz Ersü N, Bakırarar B.
- Survey study on volunteers participating in clinical phase trials of the national vaccine developed against COVID-19 765-769**
Sezer Z, İnal A, Caymaz Yılmaz S.
- Dietary macronutrient composition and perinatal outcomes according to pre-pregnancy BMI.... 770-774**
Bayrak AÇ, Ağaoğlu RT.
- Clinical preferences and practice patterns of orthodontists in Türkiye regarding maxillary molar distalization..... 775-786**
Özden S, Oğuz F.
- Bonding treatment of CAD/CAM milled denture resins repaired with visible light-cured resin ... 787-793**
Diñçer G, Özatik Ş, Saygılı S, Bural Alan C.
- Does first trimester prenatal screening impact on maternal anxiety? A prospective cohort study ... 794-799**
Eyisoy ÖG, Sandal K.
- Social media usage among orthopaedic patients: what do they value most in orthopaedic surgeons' accounts?..... 800-804**
Kart H, Çat G.
- The impact of monocyte to HDL ratio and Prognostic Nutritional Index on survival in stage III colorectal cancer patients..... 805-810**
Demir MS, Yumak M.
- Efficacy and safety of intravaginal gas ozone therapy in the treatment of bacterial vaginosis..... 811-817**
Ağlamış Ö, Yılmaz Ergani S, Şahin EA, Şahin H, Şahin T.
- Assessment of the abdominal aorta regarding its morphology, morphometry, and concomitant pathologies associated with abdominal aorta aneurysm..... 818-824**
Çetinok H.

CONTENTS

Original Articles

- AI vs AI: clinical reasoning performance of language models in orthopedic rehabilitation 825-831**
Safran E, Yaşasın Y.
- Comparison of clinical outcome, cost and union times in pediatric ankle fractures: a retrospective case series 832-838**
Ateş O, Altıntaş M.
- Prognostic value of left ventricular remodeling phenotypes in patients undergoing transcatheter aortic valve implantation..... 839-846**
Güney MC.
- Prevalence of the neuropathic pain component in rheumatoid arthritis patients and its relationship to disease activity: a cross-sectional study..... 847-851**
Çirakoğlu D.
- The effect of immersive virtual reality and music on anxiety, fear, and pain during circumcision surgery in children: a randomized controlled study..... 852-858**
Çevik Özdemir HN, Tuncer AA, Kılıç İ.
- Quantitative evaluation of cranial MRI findings in idiopathic intracranial hypertension 859-864**
Kökcü F.
- Effects of cigarette smoking on handgrip strength and muscular endurance in young adults 865-870**
Koç F.
- Impact of refugee status and maternal age on pregnancy outcomes: a comparative study from Türkiye..... 871-878**
Balkaş G, Çelen Ş.
- Evaluation of the performance of current Artificial Intelligence Chatbots regarding patient information after coronary artery bypass surgery..... 879-883**
Yüksel G, Gürkan S.
- Therapeutic drug monitoring of carbamazepine and valproic acid: interindividual variability in epilepsy patients 884-888**
Uskur T, Güven O.
- Prevalence and determinants of orthodontic malocclusions in children: a multifactorial analysis 889-895**
Akbulut Y, Akgün SE.
- Oral health status and risk of potentially malignant lesions in patients with severe mental illnesses: a cross-sectional study 896-901**
Öçbe M, Çerçi Akçay H, Öçbe ÇB.

CONTENTS

Original Articles

Comparative prognostic value of inflammatory and nutritional indices in acute ischemic stroke: a multivariable model analysis..... 902-908

Kıraç Utku İ, Çelem N, Demir S, Düzgün A.

Diagnostic and therapeutic approaches of pediatricians to scabies: a nationwide cross-sectional study from Türkiye 909-913

Can İ, Soysal A, Kılıç A, Hızlı P, Akdaşlı JA.

Vancomycin vs teicoplanin antibiotic lock therapy for pediatric coagulase negative staphylococcal central line associated bloodstream infections..... 914-918

Ergenç Z, Dizi Işık A, Aslan Tunçay S, Yılmaz S, Canızci Erdemli P, Kepenekli E.

The effect of commonly used pediatric iron supplements on the color stability of restorative materials..... 919-925

Çerçi Akçay H, Taş Ç, Sır E, Şeker N.

COVID-19, influenza, and pneumococcal vaccination awareness and uptake in geriatric patients: a cross-sectional study..... 926-933

Dalmanoğlu E, Özdemir F, Engin H, et al.

A retrospective multicenter study on solitary fibrous tumors: investigation of clinical features and management approaches..... 934-938

Yaşar S, Yılmaz F, Yazıcı G, et al.

Ultrasound-derived reference values for neonatal liver and spleen dimensions: a retrospective cohort study 939-945

Arcagök BC, Yaman A.

Assessment of fetal cardiac function and epicardial fat thickness in intrahepatic cholestasis pregnancies 946-951

Çayönü Kahraman N, Şeyhanlı Z, Karabay G, et al.

Erratum

Erratum to “The impact of pre-transplant fibrinogen and D-dimer levels on transplantation outcomes in autologous stem cell transplantation”952

Mandacı Şanlı N, Mandacı ED.