



Volume: 41

Issue: 6

November 2024

Editorials

The Mpox 2024 Outbreak: The Main Challenges

Keske et al.

Integration of Artificial Intelligence and Genome Editing System

Suat Erdogan.

Consensus Reports

Practical Challenges in Takotsubo Syndrome

Yalta et al.

Specific entities and challenges in Takotsubo syndrome

Yalta et al.

Original Articles

BUN/ALB Ratio and in-Hospital Mortality in AIS Patients

Li et al.

Biomarkers to Complement sTILs Evaluation

Li and Li.

Kisspeptin-54 and Mood-Related Disorders

Sinen et al.

Effect of Dienogest on Stem Cells

Uzelli Simsek et al.

FIGNL1 Contributes to CRC Progression

Xu et al.

Clinical Images

Tenosynovial Giant Cell Tumor in the Gruberi Bursa

Ferreira et al.

Diagnosis of Scabies by Portable Devices

Kaneko and Ohnishi

Aqueductal Developmental Venous Anomaly Causing Obstructive Hydrocephalus

Aytekin et al.

Appendicitis Caused by a Toothpick

Braun et al.

Scientific Letters

Convulsive Status Epilepticus in Indonesia

Husna et al.

Neuroinvasive West Nile Virus Infections

Elmaslar Mert et al.

Ischemic Stroke with Hypofibrinogenemia

Böyükbaş et al.

Letter to the Editor

Comment on "Exploring Regional Disparities in Heart Failure Epidemiology and Outcomes"

Levent Pay



Cover Design: Zehra Atabey

Cover Image: It is pictured in the photograph of Behiç Günalan.

(Sultan Bayezid II Complex: One of the Earliest Medical Schools, 148, Edirne)



Editor-in-Chief

Serbet ALTAY, MD

Department of Cardiology, Trakya University School of Medicine, Edirne, Türkiye
drservertaltay@gmail.com

Honorary Editor

Zafer KOÇAK, MD

Department of Radiation Oncology, Trakya University School of Medicine, Edirne, Türkiye

Ahmet ULUGÖL, MD

Department of Pharmacology, Trakya University School of Medicine, Edirne, Türkiye

Biostatistics Editor

Selçuk KORKMAZ, PhD

Department of Biostatistics and Medical Informatics, Trakya University School of Medicine, Edirne, Türkiye

Ethics Editor

Berna ARDA, MD., PhD

Department of History of Medicine and Medical Ethics, Ankara University School of Medicine, Ankara, Türkiye

Web and Social Media Editor

Tuğba KEMALOĞLU ÖZ

Alice Springs Hospital, Australia

Deputy Editors

Dinçer AVLAN, MD

Department of Pediatric Surgery, Division of Pediatric Urology, Trakya University School of Medicine, Edirne, Türkiye

Suat ERDOĞAN, MD

Department of Medical Biology, Trakya University School of Medicine, Edirne, Türkiye

Özgür GÜNDÜZ, MD

Department of Medical Pharmacology, Trakya University School of Medicine, Edirne, Türkiye

Ufuk USTA, MD

Department of Pathology, Trakya University School of Medicine, Edirne, Türkiye

Associate Editors

Ozan AKÇA, MD

Department of Anesthesiology & Perioperative Medicine, University of Louisville, Louisville, Kentucky

Alper AKÇALI, MD

Department of Medical Microbiology, Çanakkale Onsekiz Mart University School of Medicine, Çanakkale, Türkiye

Mutlu ARAT, MD

Department of Haematology and Bone Marrow Transplantation Unit, Demiroğlu Bilim University Faculty of Medicine, İstanbul, Türkiye

Mustafa ÇIKIRIKÇIOĞLU, MD., PhD., FETCS

Division of Cardiovascular Surgery, Department of Surgery, University Hospitals of Geneva, Geneva, Switzerland

Dragoslava DJERIC, MD., PhD

Department of Otology, University of Belgrade School of Medicine, Belgrade, Serbia

Murat DEVECİ, MD

Department of Pediatrics, Trakya University School of Medicine, Edirne, Türkiye

Hakan EMMUNGİL, MD

Department of Rheumatology, Trakya University School of Medicine, Edirne, Türkiye

Marco FIORE, PhD

Department of Molecular Biology, Institute of Cellular Biology and Neurobiology, CNR, Rome, Italy

Serdar GÖZEN, MD

Department of Urology, SLK-Kliniken, University of Heidelberg, Heidelberg, Germany

Hande GÜÇLÜ, MD

Department of Ophthalmology, Trakya University School of Medicine, Edirne, Türkiye

Hüseyin GÜDÜCÜOĞLU, MD

Department of Microbiology, Trakya University School of Medicine, Edirne, Türkiye

Fethi GÜL, MD

Department of Anesthesiology and Reanimation, Head Chief of Critical Care Medicine, Marmara University School of Medicine, İstanbul, Türkiye

Hakan GÜRKAN, MD., PhD

Diagnostics Center for Genetic Diseases, Trakya University School of Medicine, Edirne, Türkiye

Erol GÜRPINAR, MD

Department of Medical Education, Akdeniz University School of Medicine, Antalya, Türkiye

Muhammet Bekir HACIOĞLU, MD

Department of Oncology, Trakya University School of Medicine, Edirne, Türkiye

Mert İlker HAYIROĞLU, MD

Clinic of Cardiology, Dr. Siyami Ersek Thoracic and Cardiovascular Surgery Training and Research Hospital, İstanbul, Türkiye

Marko HAWLINA, MD., PhD

Department of Ophthalmology, University of Ljubljana School of Medicine, Ljubljana, Slovenia

Irena HOCEVAR-BOLTEZAR, MD., PhD

Department of Foniatri and Audiology, University of Ljubljana School of Medicine, Ljubljana, Slovenia

Edin HUSARIC, MD., PhD

Department of Pediatric Surgery, University Clinical Center, Tuzla, Bosnia and Herzegovina

Deniz PALAMAR KADIOĞLU, MD

Department of Physical Therapy and Rehabilitation, İstanbul University-Cerrahpaşa, Cerrahpaşa School of Medicine, İstanbul, Türkiye

Yasemin KARAL, MD

Department of Pediatrics, Trakya University School of Medicine, Edirne, Türkiye

Darko KASTELAN, MD., PhD

Department of Endocrinology, University of Zagreb School of Medicine, Zagreb, Croatia

A. Murat KAYNAR, MD, MPH

Department of Anesthesiology and Perioperative Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania, USA

Şiran KESKE, MD

Clinic of Infectious Diseases and Clinical Microbiology, Koç University School of Medicine, İstanbul, Türkiye

Ayça KIYKIM, MD

Department of Pediatric Immunology and Allergy, İstanbul University-Cerrahpaşa Cerrahpaşa School of Medicine, İstanbul, Türkiye

Shima MEHRABIAN, MD., PhD

Department of Neurology, University Hospital Alexandrovska, Sofia, Bulgaria

Pavle MIKLIC, MD

Department of Neurosurgery, University of Zagreb School of Medicine, Zagreb, Croatia

Berrin PAPILA, MD

Department of General Surgery, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, İstanbul, Türkiye

Sezgi SARIKAYA SOLAK, MD

Department of Dermatology, Trakya University School of Medicine, Edirne, Türkiye

Milan STANKOVIC, MD, PhD

Department of Otolaryngology, University of Nis School of Medicine, Nis, Serbia

Burcu TOKUÇ, MD., PhD

Department of Public Health, Tekirdağ Namık Kemal University School of Medicine, Tekirdağ, Türkiye

Eda TAHİR TURANLI, PhD., MSc

Department of Molecular Biology and Genetics, Acıbadem University School of Medicine, İstanbul, Türkiye

Alparslan TURAN, MD

Department of Outcomes Research, Anesthesiology Institute, Cleveland Clinic, Cleveland, Ohio USA

İsmail Barış TÜRKBEY, MD

Department of Radiology, National Cancer Institute, NIH, Bethesda MD, USA

Fethi Emre USTABAŞIOĞLU, MD

Department of Radiology, Trakya University School of Medicine, Edirne, Türkiye

Yeşim Hülya UZ, MD

Department of Histology and Embryology, Trakya University School of Medicine, Edirne, Türkiye

Belgin ÜNAL, MD

Department of Public Health, Dokuz Eylül University School of Medicine, İzmir, Türkiye

Irena VELCHEVA, MD., PhD

Department of Neurology, Medical University, Sofia, Bulgaria

Alperen VURAL, MD.,

MD, İstanbul University-Cerrahpaşa, Cerrahpaşa Faculty of Medicine, Department of Otolaryngology, İstanbul, Türkiye

Stanislav YANEV, MD., PhD

Department of Pharmacology, Bulgarian Academy of Sciences, Sofia, Bulgaria

Assistant Associate Editors**Murat Mert ATMACA, MD,**

Clinic of Neurology, Sultan 2. Abdülhamid Han Training and Research Hospital, İstanbul, Türkiye

Mehmet ÇELİK, MD

Department of Endocrinology, Trakya University School of Medicine, Edirne, Türkiye

Nihat Demirhan DEMİRKIRAN, MD.,

Kütahya Health Sciences University Faculty of Medicine, Evliya Çelebi Training and Research Hospital, Clinic of Orthopedics and Traumatology, Kütahya, Türkiye

Cihan İNAN, MD

Department of Obstetrics and Gynecology, Trakya University School of Medicine, Edirne, Türkiye

Ethem YILDIZ, MD

Department of Chest Diseases, Trakya University School of Medicine, Edirne, Türkiye

Language Editing**ENAGO****Editorial Advisory Board****Eyüp Sabri AKARSU, MD**

Department of Pharmacology, Ankara University School of Medicine, Ankara, Türkiye

Serhan ALKAN, MD

Department of Pathology, Cedars Sinai Medical Center, Los Angeles, CA, USA

Farid ALIYEV, MD

Clinic of Cardiology, Baku Heart Center, Azerbaijan

Christian APFEL, MD, PhD

Department of Anesthesiology and Perioperative Care, University of California San Francisco, San Francisco, CA, USA

Stavros J. BALOYANNIS, MD, PhD

Department of Neurology, Aristotle University of Thessaloniki School of Medicine, Thessaloniki, Greece

George N. CHALDAKOV, MD, PhD

Department of Cell Biology, Medical University of Varna, Varna, Bulgaria

Anthony H. DICKENSON, MD, PhD

Department of Pharmacology, University College London, London, UK

Dan M. FLISS, MD, PhD

Department of Maxillofacial and Skullbase Surgery, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

Ahmet GÜRAKAR, MD

Department of Hepatology, Johns Hopkins School of Medicine, Baltimore, MD, USA

Todor KANTARDJIEV, MD, PhD

Department of Parasitology and Microbiology, National Centre Infectious and Parasitic Diseases, Bulgaria

Özgür KASAPÇOPUR, MD

Department of Pediatric Rheumatology, İstanbul University-Cerrahpaşa, Cerrahpaşa School of Medicine, İstanbul, Türkiye

Fahrettin KELEŞTIMUR, MD

Department of Endocrinology, Erciyes University School of Medicine, Kayseri, Türkiye

Nicholas G. KOUNIS, MD

Department of Cardiology, Patras University School of Medicine, Patras, Greece

George KOLIOS, MD, PhD

Department of Pharmacology, Democritus University of Thrace School of Medicine, Alexandroupolis, Greece

Ana MARUSIC, MD, PhD

Department of Anatomy & Research in Biomedicine and Health, University of Split, Split, Croatia

Ranko MLADINA, MD, PhD

Department of Rhinology, University of Zagreb School of Medicine, Zagreb, Croatia

Eugene N. MYERS, MD, FACS, FRCS Edin (Hon)

Department of ORL, Head-Neck & Maxillofacial Surgery, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

Jean-Marc NABHOLTZ, MD, PhD

Clinical and Translational Research Division, Jean Perrin Comprehensive Cancer Centre, Clermont-Ferrand, France

Keiji OGUMA, MD, PhD

Department of Bacteriology, Okayama University School of Medicine, Okayama, Japan

Metin ÖZDEMİRİL, MD

Professor of Pathology, MedStar Georgetown University Hospital Washington DC, United States

Mustafa TEKİN, MD

Division of Clinical and Translational Genetics, Dr. John T. Macdonald Foundation Department of Human Genetics, University of Miami Miller School of Medicine, Miami, FL, USA

Juan A. TOVAR, MD

Department of Pediatric Surgery, La Paz University Hospital, Madrid, Spain

Mark D. WALTERS, MD, PhD

Department of Gynecology and Obstetrics, Cleveland Clinic, Cleveland, OH, USA

Enver ZEREM, MD, MS, PhD

Department of Gastroenterology, University Clinical Center, Tuzla, Bosnia and Herzegovina

Please refer to the journal's webpage (www.balkanmedicaljournal.org) for "Editorial Policy", "Instructions to Authors" and "Instructions to Reviewers".

The Balkan Medical Journal and/or its editors are members of ICMJE, COPE, WAME, CSE and EASE, and follow their recommendations. The Balkan Medical Journal is indexed in Science Citation Index Expanded (Web of Science), Journal Citation Reports, PubMed/MEDLINE, PubMed Central, Scopus, EMBASE, DOAJ, Chemical Abstracts, CINAHL, EBSCO, J-Gate, GALE, ProQuest, Türk Medline, Türkiye Atıf Dizini, IdealOnline, Global Health, UDL-EDGE, Hinari, GOALI, ARDI, OARE, AGORA, TÜBİTAK ULAKBİM TR Index and CNKI.

The journal is printed on an acid-free paper.

Owner: Sedat Üstündağ On Behalf of Trakya University School of Medicine

Responsible Manager: Servet ALTAY



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@gelenos.com.tr/yayin@gelenos.com.tr
Web: www.gelenos.com.tr
Publisher Certificate Number: 14521

Printing at: Trakya Üniversitesi Matbaası
Edirne Teknik Bilimler M.Y.O Sarayıçi Yerleşkesi,
22020 Yeni İmaret, Edirne, Türkiye
Phone: +90 (284) 224 02 83
Printing Date: October 2024
ISSN: 2146-3123 E-ISSN: 2146-3131
International scientific journal published bimonthly.

CONTENTS

Editorials

416 The Mpox 2024 Outbreak: The Main Challenges

Şiran Keske, Hüseyin Güdücüoğlu, Önder Ergönül; İstanb l, Edirne, Türkiye

419 Integration of Artificial Intelligence and Genome Editing System for Determining the Treatment of Genetic Disorders

Suat Erdo ğan; Edirne, Türkiye

Consensus Reports

421 Takotsubo Syndrome: An International Expert Consensus Report on Practical Challenges and Specific Conditions (Part-1: Diagnostic and Therapeutic Challenges)

Kenan Yalta, John E Madias, Nicholas G Kounis, Shams Y-Hassan, Marija Polovina, Servet Altay, Alexandre Mebazaa, Mehmet Birhan Yilmaz, Yuri Lopatin, Mamas A Mamas, Robert J Gil, Ritu Thamman, Abdallah Almaghraby, Biyke Bozkurt, Gani Bajraktari, Thomas Fink, Vassil Traykov, Stephane Manzo-Silberman, Ulvi Mirzoyev, Sekib Sokolovic, Zviad V Kipiani, Cecilia Linde, Petar M Seferovic; Edirne, Izmir, Türkiye; NY, Pittsburgh, Houston TX, United States of America; Patras, Greece; Stockholm, Umeå, Sweden; Belgrade, Serbia; Paris, France; Volgograd, Russia; Stoke-on-Trent, United Kingdom; Warsaw, Poland; Ras Al Khaimah, United Arab Emirates; Prishtina, Kosovo; Bad Oeynhausen, Germany; Sofia, Bulgaria; Baku, Azerbaijan; Sarajevo, Bosnia Herzegovina; Tbilisi, Georgia; Stockholm, Sweden

442 Takotsubo Syndrome: An International Expert Consensus Report on Practical Challenges and Specific Conditions (Part-2: Specific Entities, Risk Stratification and Challenges After Recovery)

Kenan Yalta, John E Madias, Nicholas G Kounis, Shams Y-Hassan, Marija Polovina, Servet Altay, Alexandre Mebazaa, Mehmet Birhan Yilmaz, Yuri Lopatin, Mamas A Mamas, Robert J Gil, Ritu Thamman, Abdallah Almaghraby, Biyke Bozkurt, Gani Bajraktari, Thomas Fink, Vassil Traykov, Stephane Manzo-Silberman, Ulvi Mirzoyev, Sekib Sokolovic, Zviad V Kipiani, Cecilia Linde, Petar M Seferovic; Edirne, Izmir, Türkiye; NY, Pittsburgh, Houston TX, United States of America; Patras, Greece; Stockholm, Umeå, Sweden; Belgrade, Serbia; Paris, France; Volgograd, Russia; Stoke-on-Trent, United Kingdom; Warsaw, Poland; Ras Al Khaimah, United Arab Emirates; Prishtina, Kosovo; Bad Oeynhausen, Germany; Sofia, Bulgaria; Baku, Azerbaijan; Sarajevo, Bosnia Herzegovina; Tbilisi, Georgia; Stockholm, Sweden

Original Articles

458 Association of Serum Blood Urea Nitrogen to Albumin Ratio with in-Hospital Mortality in Patients with Acute Ischemic Stroke: A Retrospective Cohort Study of the eICU Database

Wenhan Li, Qing Huang, Ke Zhan; Hangzhou, China

469 Role of Ultrasonographic and Clinicopathological Characteristics in Assessing Stromal Tumor-Infiltrating Lymphocyte Density in Triple-Negative Breast Cancer

Lian Li, Yingjia Li; Guangzhou, China

476 Chronic Nasal Administration of Kisspeptin-54 Regulates Mood-Related Disorders Via Amygdaloid GABA in Hemi-Parkinsonian Rats

Osman Sinen, Aysegül Gemici Sinen, Narin Derin, Mutay Aydin Aslan; Antalya, Türkiye

484 Different Effect of Dienogest on Endometrium Mesenchymal Stem Cells Derived from Healthy and Endometriosis Tissues

Hayal Uzelli Şimşek, Turgay Şimşek, Gökhan Duruksu, Selenay Furat Rençber, Yusufhan Yazır; Kocaeli, Türkiye

491 Exploring the Effect of Fidgetin-Like 1 on Colorectal Cancer Through Tissue Chip and In Vitro Experiments

Yunxing Xu, Yucheng Shen, Chen Zhang, Liangfeng Zheng, Feiyue Ji, Jin Chen, Shouliang Cheng, Yu Zheng; Nantong, China

Clinical Images

499 Tenosynovial Giant Cell Tumor in the Gruberi Bursa

Fábio Ferreira, Diana Baptista, Miguel Castro; Porto, Portugal

501 Detection of Scabies Mites with a Handheld Magnifier and Portable Microscope

Masahiro Kaneko, Jun Ohnishi; Hyogo, Japan

503 Mesencephalic Developmental Venous Anomaly Causing Obstructive Hydrocephalus Due to Aqueductal Stenosis

Gökhan Aytekin, Merve Tuna, Serdar Solak; Edirne, Türkiye

505 Acute Appendicitis Secondary to the Ingestion of a Toothpick

Marco Antonio Alves Braun, Isabella Alves Braun, Márcio Luís Duarte, Bruno Fernandes Barros Brehme de Abreu; São Paulo, SP, Brazil

Scientific Letters

507 Convulsive Status Epilepticus in Indonesia

Machlusil Husna, Siti Nurlaela, Benny Arie Pradana, Firda Aushi, Priyo Atdisuramad; East Java Province, Indonesia

CONTENTS

511 Neuroinvasive West Nile Virus Infections in the Trakya Region of Türkiye

Habibe Tülin Elmaslar Mert, Zerrin Yuluğural, Ezgi Kula, Betül Yüzüğündü, Figen Kuloğlu; Edirne, Ankara, Türkiye

514 Congenital Hypofibrinogenemia is a Potential Risk Factor for Ischemic Stroke

Demet Bölükbaşı, Şerife Gökbüllut Bektaş, Duygu Kayar Çalılı, Şeval İzdeş; Ankara, Türkiye

Letter to the Editor

516 Comment on “Exploring Regional Disparities in Heart Failure Epidemiology and Outcomes: A Comprehensive Study Across Geographical Regions in Türkiye”

Levent Pay; İstanbul, Türkiye

Reviewer List