



Volume: 41

Issue: 1

January 2024

Editorials

- A Radiologist's Perspective on Musculoskeletal Tumors
Multidisciplinary Team Meetings
Fethi Ustabəşioğlu
- Current Trends in Hemoabsorption Treatment for Critically Ill Patients: are We Moving Forward?
Gül and Ronco

Invited Review

- SARS CoV-2 Infection and the Heart
Kounis et al.

Original Articles

- Inhibitory Effects of Asiaticoside on Thyroid Cancer Cells
Zhang et al.
- Quercetin Attenuates TNBS-induced Colitis
Topçu-Tarladaçalışır et al.
- Forensic Deaths in 2013-2022, Autopsy Practices in Türkiye
Çelik et al.
- Regional Disparities in Heart Failure in Türkiye
Şahin et al.
- Protective Role of Liraglutide in VSMCs in HG Conditions
Shi et al.

- Prevalence of Motoric Cognitive Risk Syndrome in Türkiye
Demirdel et al.

Clinical Images

- Coincidence of Aorto-Left Atrial Fistula and Aneurysmatic Aberrant Right Subclavian Artery
Demir et al.
- Pulmonary Artery Intimal Sarcoma
Santos et al.
- Miliary Pulmonary Cryptococcosis
Suda et al.
- Bilateral Emphysematous Pyelonephritis and Emphysematous Cystitis
Yang and He

Scientific Letters

- Future Perspective of Bioprosthetic Aortic Valve
Özkan et al.
- Vaginismus: Proposed Diagnostic Criteria
Raveendran and Rajini

Letter to the Editor

- Risk of Venous Thromboembolism with Statins
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

Erman AYTAÇ, MD

Department of General Surgery, Acıbadem Mehmet Ali Aydinlar University, 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

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

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

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

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

Ismail 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

Sedat ÜSTÜNDARĞ, MD

Department of Nephrology, Trakya University School of Medicine, Edirne, 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

Muhammet Bekir HACIOĞLU, MD

Department of Oncology, 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 ÖZDEMİRİ, 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: *Filiz Akata 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: 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: January 2024

ISSN: 2146-3123 E-ISSN: 2146-3131

International scientific journal published bimonthly.

CONTENTS

Editorials

- 1 **A Radiologist's Perspective on Musculoskeletal Tumors Multidisciplinary Team Meetings**
Fethi Ustabasioglu; Edirne, Türkiye
- 4 **Current Trends in Hemoabsorption Treatment for Critically Ill Patients: are We Moving Forward?**
Fethi Gülb, Claudio Ronco; İstanbul, Türkiye; Padua, Vicenza, Italy

Invited Review

- 7 **"When," "Where," and "How" of SARS-CoV-2 Infection Affects the Human Cardiovascular System: A Narrative Review**
Nicholas G. Kounis, Christos Gogos, Cesare de Gregorio, Ming-Yow Hung, Sophia N. Kounis, Efthymios P. Tsounis, Stelios F. Assimakopoulos, Soheila Pourmasumi, Virginia Mplani, George Servos, Periklis Dousdamanidis, Panagiotis Plotas, Marina A. Michalaki, Grigoris Tsikas, Gerasimos Grammatikopoulos, Dimitrios Velissaris, Ioanna Koniar, Rio, Pavlos Melas, Patras, Athina, Greece; Messina, Italy; Taipei, Taiwan; Rafsanjan, Iran; Manchester, United Kingdom

Original Articles

- 23 **Asiaticoside Down-Regulates HIF-1 α to Inhibit Proliferation, Migration, and Angiogenesis in Thyroid Cancer Cells**
Yi Zhang, Yifan Han, Jianda Dong, Feilei Li, Yihan Sun; Wenzhou, China
- 30 **Quercetin Attenuates Endoplasmic Reticulum Stress and Apoptosis in TNBS-Induced Colitis By Inhibiting The Glucose Regulatory Protein 78 Activation**
Yeter Topcu-Tarladaçalış, Melike Sapmaz-Metin, Zeynep Mercan, Deniz Erçetin; Edirne, Gaziantep Türkiye
- 38 **Analysis of Forensic Death Statistics From 2013 to 2022 and Autopsy Practices in Türkiye**
Cemil Çelik, Uğur Ata, Naile Esra Saka; Kahramanmaraş, Tekirdağ, Türkiye
- 47 **Exploring Regional Disparities in Heart Failure Epidemiology and Outcomes: A Comprehensive Study Across Geographical Regions in Türkiye**
Anıl Şahin, Tuğçe Çöllüoğlu, Ahmet Çelik, Naim Ata, Mehmet Birhan Yılmaz, Dilek Ural, Arzu Kanık, Mustafa Okan Ayvalı, Mustafa Mahir Ülgür, Şuayıp Birinci; Sivas, Karabük, Mersin, Ankara, İzmir, Türkiye
- 54 **The Key Role of Liraglutide in Preventing Autophagy of Vascular Smooth Muscle Cells in High Glucose Conditions**
Lili Shi, Ming Hao, Guangjing Qu, Yingying Xu, Zhe Cui, Lin Geng, Hongyu Kuang; Harbin, China
- 64 **Incidence of Motoric Cognitive Risk Syndrome and Associated Factors in Older Adults in Türkiye**
Senem Demirdel, Sultan Keskin Demircan, Mehmet İlkin Naharci; Ankara, Türkiye

Clinical Images

- 70 **Coincidence of Asymptomatic Aorto-left Atrial Fistula and Aneurysmatic Aberrant Right Subclavian Artery: The Relevance of Multidetector Computed Tomography Angiography**
Mustafa Kemal Demir, Mustafa Güler, Özge Ecctaşan, Okan Akinci, Vedat Eyilişler; İstanbul, Türkiye
- 72 **Pulmonary Artery Intimal Sarcoma Treated as Chronic Pulmonary Thromboembolism**
Thiago Vieira Santos, Marcos Adriano Garcia Campos, Laisson de Moura Feitoza, Gyl Eanes Barros Silva; Maranhão, São Paulo, Brazil
- 74 **Disseminated Cryptococcosis Mimicking Miliary Tuberculosis**
Takuya Suda, Miwako Asakawa, Yoshinori Takahashi, Yusaku Kajihara; Ishikawa, Aomori, Japan
- 76 **Klebsiella-caused Bilateral Empysematous Pyelonephritis and Empysematous Cystitis in a Patient with Type 2 Diabetes**
Wei Yang, Chendong He; Nanjing, Bengbu, China

Scientific Letters

- 78 **Should Bioprosthetic Valves be Implanted in Patients with Aortic Stenosis having a Low Surgical Risk? A Perspective with Pros and Cons**
Uğur Özkan, Muhammet Gürdoğan, Çağlar Kaya, Hasan Ari; Edirne, Bursa, Türkiye
- 80 **Vaginismus: Diagnostic Challenges and Proposed Diagnostic Criteria**
Arkiath Veettil Raveendran, Peedikakkal Rajini; Muscat, Oman

Letter to the Editor

- 83 **Comment on "Risk of Venous Thromboembolism with Statins: Evidence Gathered via a Network Meta-analysis"**
Levent Pay; Ardahan, Türkiye