Volume: 40 Issue: 6 November 2023

Editorial

 Beyond Tuberculosis: The Growing Threat of Nontuberculous Mycobacteria
 Yıldız E.

Invited Reviews

- Catheter Ablation in Patients with a Durable Pulmonary Vein Isolation Nesapiragasan et al.
- Medical Education and Technology Tokuç and Varol.

Meta-analysis

 Dasiglucagon in Insulin-induced Hypoglycemia in T1DM
 Maji et al.

Original Articles

- ELK4 Promotes the Progression of HPV-associated Cervical Cancer
 Gao et al.
- Does Maintaining a Targeted Abdominal Perfusion Pressure Reduce Renal Damage in Septic Shock Patients

Özkarakaş et al.

 Improved Effects of Akebia Saponin D on Gestational Diabetes Mellitus
 Chen et al. Albumin-Gap, Lactate Clearance and Mortality in Pediatric ICU

Gündoğan Uzunay et al.

 The Effect of Vaccination on Mortality in Critically III COVID-19 Patients
 Gül et al.

Clinical Images

 Marchiafava-Bignami Disease in a Patient with Anorexia Nervosa

Nishiok and Kamei.

 Diffuse Idiopathic Colonic Varices: Triphasic Computed Tomography

Demir and Ecertaştan.

Double Coronary-Cameral Fistula with Mitral Stenosis
 Ebik et al.

Scientific Letters

- Metastatic Lung Cancer of the Testis He et al.
- Premature Ejaculation-proposed Classification

 Arkiath Veettil Raveendran.
- Skin Involvement of CD5(-) Blastoid Mantle Cell Lymphoma Zekey et al.









Editor-in-Chief

Servet ALTAY, MD

Department of Cardiology, Trakya University School of Medicine, Edirne, Türkiye drservetaltay@amail.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

Selcuk 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 AKCALI, 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 Aydınlar 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 EMMUNGIL. 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, Slavenia

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, Univerity of Pittsburg, Pittsburg, 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 Cerrahpasa 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

Alparsian 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

Sedat ÜSTÜNDAĞ, 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 ÖZDEMİRLİ, 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.balkanmedical journal.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@galenos.com.tr/yayin@galenos.com.tr

Web: www.galenos.com.tr

Publisher Certificate Number: 14521

Printing at: Trakya Üniversitesi Matbaası

Edirne Teknik Bilimler M.Y.O Sarayiçi Yerleşkesi, 22020 Yeni İmaret, Edirne,

Türkiye

Phone: +90 (284) 224 02 83 Printing Date: November 2023 ISSN: 2146-3123 E-ISSN: 2146-3131

International scientific journal published bimonthly.

CONTENTS

Editorial

384 Beyond Tuberculosis: The Growing Threat of Nontuberculous Mycobacteria

Ethem Yıldız; Edirne, Türkiye

Invited Reviews

386 Catheter Ablation Approaches for the Treatment of Arrhythmia Recurrence in Patients with a Durable Pulmonary Vein Isolation

Vinitha Nesapiragasan, Mert İlker Hayıroğlu, Vanessa Sciacca, Philipp Sommer, Christian Sohns, Thomas Fink; Bad Oeynhausen, Germany; İstanbul, Türkiye

395 Medical Education in the Era of Advancing Technology

Burcu Tokuç, Gamze Varol; Tekirdağ, Türkiye

Meta-analysis

400 Dasiglucagon for the Treatment of Insulin-induced Hypoglycemia in Patients with Type 1 Diabetes Mellitus: A Meta-analysis

Shampa Maji, Rashmi Ranjan Mohanty, Rituparna Maiti; Bhubaneswar, India

Original Articles

409 ELK4 Promotes Cell Cycle Progression and Stem Cell-like Characteristics in HPV-associated Cervical Cancer by Regulating the FBXO22/PTEN Axis

Fuxian Gao, Chunxiao Wang, Xue Bai, Jianghai Ji, Xinrui Huang; Cangzhou, China

415 Does Maintaining a Targeted Abdominal Perfusion Pressure Reduce Renal Damage in Patients with Septic Shock?: A Randomized, Controlled, and Open-label Study

Hüseyin Özkarakaş, Zeki Tuncel Tekgül, Murat Arslan, Mehmet Uğur Bilgin, Hazal Ezgi Eker, Onur Okur, Bülent Çalık; İzmir, İstanbul, Türkiye; Kiel, Germany

422 Administration of Akebia Saponin D Improved Blood Lipid Levels and Pregnancy Outcomes in Mice with Gestational Diabetes Mellitus Wei Chen, Juan Shi, Wei Zhana; Nantona, China

430 Role of Albumin-corrected Anion Gap and Lactate Clearance in Predicting Mortality in Pediatric Intensive Care Patients

Büşra Gündoğan Uzunay, Alper Köker, Nazan Ülgen Tekerek, Levent Dönmez, Oğuz Dursun; Antalya, Türkiye

435 The Impact of CoronaVac Vaccination on 28-day Mortality Rate of Critically III Patients with COVID-19 in Türkiye

Fethi Gül, Umut Sabri Kasapoğlu, Mehmet Süleyman Sabaz, Pınar Ay, Burçin Doruk Oktay, Gülbahar Çalışkan, Nalan Demir, İsmet Sayan, Feyyaz Kabadayı, Gülsüm Altuntaş, Ayça Gümüş, Hülya Kırca, Deniz Şanlı, Fatma Acil, Andaç Dedeoğlu, Sedef Gülçin Ural, İrem Akın Şen, Eda Macit Aydın, Hakan Dayanır, Birgül Yelken, İlkay Ceylan, Osman Özcan Aydın, Güneş Eskidemir, Ahmet Aytekin, Melike Cengiz 1, Ülkü Arslan, Devrim Akdağ, Gülçin Hilal Alay, Esra Tekin, Volkan Yarar, Kemal Tolga Saracoğlu, Funda Gök, Volkan Alparslan, Verda Tuna, Murside Yıldız, Nimet Şenoğlu, Cenk Kıraklı, Süleyman Yıldırım, Kübra Saçar Kübüç, Ayşen Erer, Hamza Gültekin, Kezban Özmen Süner, Özge Kuzgun, Çağatay Erman Öztürk, Aydın Karahan, Okan Deveci, Mustafa Ay, Dilara Tüfek Öztan, Seda Banu Akıncı, Melahat Yalçın Solak, Süha Bozbay, Serhat Özçiftçi, Kamil Gönderen, Ahmet Oğuzhan Küçük, Berna Uyan, Gülseren Elay, Nazlıhan Boyacı, Mustafa Timurkaan, Ebru Karakoç, Lerzan Doğan, Erdem Yalçınkaya, Leyla Kazancıöğlu, Gül Erdal Dönmez, Barış Yılmaz, Dursun Fırat Ergül, Maruf Boran, Hüseyin Özkarakaş, Buğra Karakaş, Perihan Ergin Özcan, İlkay Anaklı, Mustafa Kemal Bayar, Didem Yüksel, Şükriye Akdağ, Özcan Pişkin, Sibel Temur, Selin Eyüpoğlu, Elvan Tekir Yılmaz, Gizem Zaim Avcı, Raziye Turan, Fatma Alkan Bayburt, Helin Şahintürk, Bülent Güçyetmez, Mustafa Muhlis Alparslan, Metin Yarıcı, Fatma Yıldırım, Abdulkadir Yektaş, Güçlü Yaman, Oktay Demirkıran, İsmail Cinel; İstanbul, Malatya, Bursa, Ankara, Elazığ, Antalya, Batman, Diyabakır, Erzurum, Ankara, Eskisehir, Adana, Denizli, Balıkesir, Konya, Hatay, Adıyaman, Ağrı, İzmir, Van, Tekirdag, Şırnak, Sakarya, Samsun, Mersin, Çorum, Trabzon, Gaziantep, Çankırı, Sivas, Rize, Amasya, Zonguldak, Giresun, Aksaray, Siirt, Türkiye

Clinical Images

445 Marchiafava-Bignami Disease in a Patient with Anorexia Nervosa

Hiroaki Nishioka, Hiroki Kamei; Hyogo, Japan

447 Diffuse Idiopathic Colonic Varices: Demonstration Using Multiplanar Reconstructions from Triphasic Computed Tomography

Mustafa Kemal Demir, Özge Ecertaştan; İstanbul, Türkiye

449 Double Coronary-Cameral Fistula Draining to the Right Ventricle in a Patient with Mitral Stenosis: is it Clinically Relevant?

Mustafa Ebik, Cihan Öztürk, Fethi Emre Ustabaşıoğlu; Edirne, Türkiye

Scientific Letters

451 Testicular Pain is the First Symptom of Lung Squamous Cell Carcinoma Metastasizing to the Testis

Chendong He, Wei Yang, Fenglin Ge; Bengbu, Jiangsu, China

454 Premature Ejaculation-Emerging Concepts and a Novel Classification

Arkiath Veettil Raveendran; Muscat, Oman

456 Cutaneous Involvement as a First Sign of CD5(-) Blastoid Mantle Cell Lymphoma

Emre Zekey, Şule Öztürk Sarı, Gülçin Yeğen, Seher Darakcı; Sivas, Türkiye