



Volume: 35

Issue: 2

March 2018

Invited Review Articles

- Harmony Behind the Trumped-Shaped Vessel
Şifa Turan and Özhan M. Turan
- Pulmonary Complications in Hematopoietic Stem Cell Transplantation
Güldane Cengiz Seval et al.

Original Articles

- Astrogliosis after Cell Transplantation
Nikola Tomov et al.
- Effects of Intradermal Sterile Water Injections in Women with Low Back Pain in Labor
Refika Genç Koyucu et al.
- EGFL7 Interacted Osteosarcoma Cells with HUVEC
Xia Li et al.
- MicroRNA Expressions in Pregnancies with Down Syndrome
Emin Karaca et al.
- Professionalism Education in Surgery
Akile Sarıoğlu Büke et al.
- Liver Regeneration and EGb761
Nahide Ekici Günay et al.
- Aprokam Cataract Surgery Patients with Keratoplasty
Mustafa Erdoğan Cicik et al.
- IOL Implantation Techniques in Pediatric Cataract
Mustafa Erdoğan Cicik et al.

Brief Report

- *Clostridium difficile* in Romanian Hospitals
Gabriel Adrian Popescu et al.

Case Reports

- Novel Variant in SYNE4 Confirms its Causative Role in Sensorineural Hearing Loss
John Masterson et al.
- Myeloid Neoplasia and Lymphoblastic Lymphoma with Eosinophilia After Radioactive Iodine
Mahmut Büyüksimşek et al.
- Primary Clear Cell Sarcoma and Skin
Ifeyinwa E. Obiorah et al.
- Premature Coronary Artery Disease in Children
Filiz Ekici et al.

Clinical Images

- Button Battery Ingestion
Satvinder Singh Bakshi
- Cardiac Injury by Foreign Body
Özgür Altınbaş et al.
- Müllerian Cyst in Posterior Mediastinum
Jung Eun Lee et al.

Letter to the Editor

- Voluntary Counseling and Testing Programs
Camelia Sultana et al.

In Memoriam

- Tribute to the Greatest Mentor of All Time:
Prof. Mirko Tos (1931-2018)
Cem Uzun



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, 1488, Edirne)



Editor-in-Chief

Zafer KOÇAK, MD

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

Deputy Editors

Okan ÇALIYURT, MD

Department of Psychiatry, Trakya University School of Medicine, Edirne, Turkey

Mustafa İNAN, MD

Department of Pediatric Surgery, Trakya University School of Medicine, Edirne, Turkey

Ufuk USTA, MD

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

Associate Editors

Alper AKÇALI, MD

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

Murat BİRTANE, MD

Department of Physical Medicine and Rehabilitation, Trakya University School of Medicine, Edirne, Turkey

Taner K. ERDAĞ, MD

Department of Otolaryngology, Dokuz Eylül University School of Medicine, İzmir, Turkey

Özgür GÜNDÜZ, MD

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

Cumhur KILINÇER, MD, PhD

Department of Neurosurgery, Trakya University School of Medicine, Edirne, Turkey

Burcu TOKUÇ, MD, PhD

Department of Public Health, Trakya University School of Medicine, Edirne, Turkey

İsmail Barış TÜRKBEY, MD

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

Yeşim Hülya UZ, MD

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

Sedat ÜSTÜNDARĞ, MD

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

Cafer ZORKUN, MD, PhD

Department of Cardiology, Division of CardioOncology, Trakya University School of Medicine, Edirne, Turkey

Editorial Board

Armağan ALTUN, MD, PhD

Department of Cardiology, Başkent University İstanbul Hospital, İstanbul, Turkey

Dinçer AVLAN, MD

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

Pınar ÇELİK, MD

Department of Pulmonary Diseases, Celal Bayar University School of Medicine, Manisa, Turkey

Mustafa ÇIKIRIKÇIOĞLU, MD, PhD, FETCS

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

Cem ÇOPUROĞLU, MD

Department of Orthopedics, Trakya University School of Medicine, Edirne, Turkey

Meletios A. DIMOPOULOS, MD, PhD

Department of Clinical Therapeutics, Hematology/Oncology, University of Athens School of Medicine, Athens, Greece

Dragoslava DJERIC, MD, PhD

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

Zehra Nihal DOLGUN, MD

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

Rıdvan DURAN, MD

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

Hakan ERBAŞ, PhD, MSc

Department of Biochemistry, Trakya University School of Medicine, Edirne, Turkey

Marco FIORE, PhD

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

A. 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, Turkey

Hakan GÜRKAN, MD, PhD

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

Osman Nuri HATİPOĞLU, MD

Department of Pulmonary Diseases, Trakya University School of Medicine, Edirne, Turkey

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

A. Cem İBİŞ, MD

Department of General Surgery, İstanbul University School of Medicine, İstanbul, Turkey

Yasemin KARAL, MD

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

Darko KASTELAN, MD, PhD

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

Selma KORKMAZ, MD

Department of Dermatology, Süleyman Demirel University School of Medicine, Isparta, Turkey

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

Burçin NALBANTOĞLU, MD

Department of Pediatrics, Namık Kemal University School of Medicine, Tekirdağ, Turkey

Dilek OĞUZ, MD

Department of Gastroenterology, Kirikkale University School of Medicine, Kirikkale, Turkey

Mevlütt PEHLİVAN, MD

Department of General Surgery, Düzce University School of Medicine, Düzce, Turkey

Atakan SEZER, MD

Department of General Surgery, Trakya University School of Medicine, Edirne, Turkey

Milan STANKOVIC, MD, PhD

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

Sevtap HEKİMOĞLU ŞAHİN, MD

Department of Anesthesiology and Reanimation, Trakya University School of Medicine, Edirne, Turkey

Abdülkadir TURGUT, MD

Department of Obstetrics and Gynecology, Dicle University School of Medicine, Diyarbakır, Turkey

Irena VELCHEVAw, MD, PhD

Department of Neurology, Medical University, Sofia, Bulgaria

Stanislav YANEV, MD, PhD

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

Volkan YÜKSEL, MD

Department of Cardiovascular Surgery, Trakya University School of Medicine, Edirne, Turkey

Ethics Editor

Berna ARDA, MD, PhD

Department of History of Medicine and Medical Ethics, Ankara University

School of Medicine, Ankara, Turkey

Biostatistics Editor

Necdet SÜT, PhD

Department of Biostatistics and Informatics, Trakya University School of Medicine, Edirne, Turkey

Web Editor

Çetin Hakan KARADAĞ, MD

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

Editor-at-Large

Cem UZUN, MD

Department of Otolaryngology, Trakya University School of Medicine, Edirne, Turkey

Honorary Editor

Ahmet ULUGÖL, MD

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

Editorial Advisory Board

Eyüp Sabri AKARSU, MD

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

Serhan ALKAN, MD

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

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

English Editing

ENAGO / New York, United States

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, CAB Abstracts, Chemical Abstracts, CINAHL, EBSCO, Global Health, Index Copernicus, and ULAKBIM Turkish Medical Database databases.

The journal is printed on an acid-free paper.

Owner: Trakya University School of Medicine Deanery, Edirne, Turkey

Responsible Manager: Zafer KOÇAK



Galenos Publishing House Owner
and Publisher

Erkan Mor

Publication Director

Nesrin Çolak

Web Coordinators

Soner Yıldırım

Turgay Akpinar

Web Assistant

Başak Büşra Yılmaz

Finance Coordinator

Sevinç Çakmak

Graphics Department

Ayda Alaca

Çağdem Birinci

Project Coordinators

Eda Kolukısa

Hatice Balta

Lütfiye Ayhan İrtem

Zeynep Altın dağ

Research&Development

Denis Sleptsov

Dan M. FLISS, MD, PhD

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

C. Michael GIBSON MD, MS

Interventional Cardiologist, Beth Israel Deaconess Medical Center, Professor of Medicine, Harvard Medical School, Boston, MA, United States

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

Fahrettin KELEŞTIMUR, MD

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

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

Publisher Contact

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

Phone: +90 (212) 621 99 25 Fax: +90 (212) 621 99 27

E-mail: info@galenos.com.tr yayin@galenos.com.tr Web: www.galenos.com.tr

Printing at: Trakya Üniversitesi Matbaası

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

Phone: +90 (284) 224 02 83

Printing Date: March 2018

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

International scientific journal published bimonthly.

CONTENTS

Invited Review Articles

- 124 **Harmony Behind the Trumpet-Shaped Vessel: the Essential Role of the Ductus Venosus in Fetal Medicine**
Şifa Turan, Özhan M. Turan; Baltimore, USA
- 131 **Current Approach to Non-Infectious Pulmonary Complications of Hematopoietic Stem Cell Transplantation**
Güldane Cengiz Seval, Pervin Topçuoğlu, Taner Demirer; Ankara, Turkey

Original Articles

- 141 **Astrogliosis has Different Dynamics after Cell Transplantation and Mechanical Impact in the Rodent Model of Parkinson's Disease**
Nikola Tomov, Lachezar Surchev, Clemens Wiedenmann, Máté Daniel Döbrössy, Guido Nikkhah; Stara Zagora, Sofia, Bulgaria, Freiburg, Erlangen, Germany
- 148 **Effects of Intradermal Sterile Water Injections in Women with Low Back Pain in Labor: A Randomized, Controlled, Clinical Trial**
Refika Genç Koyucu, Nurdan Demirci, Ayşe Ender Yumru, Süleyman Salman, Yavuz Tahsin Ayanoglu, Yıldız Tosun, Cihangir Tayfur; İstanbul, Turkey
- 155 **Effect and Mechanism of EGFL7 Downregulation in Human Osteosarcoma Cells on the Biological Function of Co-cultured HUVEC**
Xia Li, Li-Feng Liu, Yang-Zhou Liu, Yu-Tao Pan, Guang Li, Qing-You Lu, Zeng-Chun Li; Shanghai, China
- 163 **MicroRNA Expression Profile in the Prenatal Amniotic Fluid Samples of Pregnant Women with Down Syndrome**
Emin Karaca, Ayça Aykut, Biray Ertürk, Burak Durmaz, Ahmet Güler, Barış Büke, Ahmet Özgür Yeniel, Ahmet Mete Ergenoğlu, Ferda Özkinay, Mehmet Özeren, Mert Kazandi, Fuat Akercan, Sermet Saçol, Cumhur Gündüz, Özgür Çoğulu; İzmir, Turkey
- 167 **Core Professionalism Education in Surgery: A Systematic Review**
Akile Sarıoğlu Büke, Özlem Sürel Karabilgin Öztürkçü, Yusuf Yılmaz, İskender Sayek; Denizli, İzmir, Ankara, Turkey
- 174 **Administration of Ginkgo biloba Extract (EGb761) Alone and in Combination with FK506 Promotes Liver Regeneration in a Rat Model of Partial Hepatectomy**
Nahide Ekici Günay, Sabahattin Muhtaroğlu, Abdulkadir Bedirli; Kayseri, Ankara, Turkey
- 181 **Effect of Intracameral Ophthalmic Cefuroxime Solution (Aprokam®) in the Prophylaxis of Cataract Surgery in Patients with Keratoplasty**
Mustafa Erdoğa Cicik, Cezmi Doğan, Osman Şevki Arslan; İstanbul, Turkey
- 186 **Comparison of Two Intraocular Lens Implantation Techniques in Pediatric Cataract Surgery in Terms of Postoperative Complications**
Mustafa Erdoğa Cicik, Cezmi Doğan, Selim Bölükbaşı, Mehmet Necdet Cinhüseyinoğlu, Osman Şevki Arslan; İstanbul, Turkey

Brief Report

- 191 **The Recent Emergence of Clostridium difficile Infection in Romanian Hospitals is Associated with a High Prevalence of Polymerase Chain Reaction Ribotype 027**
Gabriel Adrian Popescu, Roxana Serban, Adriana Pistol, Andreea Niculcea, Andreea Preda, Daniela Lemeni, Ioana Sabina Macovei, Daniela Tălăpan, Alexandru Rafla, Dragoș Florea; Bucharest, Romania

Case Reports

- 196 **A Novel Variant in SYNE4 Confirms its Causative Role in Sensorineural Hearing Loss**
John Masterson, Busegül Yıldırım, Ece Gökkaya, Suna Tokgöz Yılmaz, Mustafa Tekin; Miami, USA, Ankara, Turkey
- 199 **Myeloid Neoplasia and Lymphoblastic Lymphoma with Eosinophilia After Radioactive Iodine: A Case Report**
Mahmut Büyükkimşek, Semra Paydaş, Ali Oğul, Emine Bağır, Melek Ergin; Adana, Turkey
- 203 **Primary Clear Cell Sarcoma of the Dermis Mimicking Malignant Melanoma**
Ifeyinwa E. Obiorah, Pauline Brenholz, Metin Özdemirli; Washington, New York, USA
- 208 **Premature Coronary Artery Disease due to Homozygous Familial Hypercholesterolemia in a 12-Year-Old Girl**
Filiz Ekici, Salih Özçobanoğlu, Fırat Kardelen; Antalya, Turkey

Clinical Images

- 212 **Button Battery Ingestion**
Satvinder Singh Bakshi; Pondicherry, India
- 214 **Self-Inflicted Cardiac Injury by Multiple Sewing Needles**
Özgür Altınbaş, Sümeyye Fatma Özer, Abdurrahman Şeremet, Ömer Tanyeli, Niyazi Görmüş; Konya, Turkey
- 216 **Müllerian Cyst in Posterior Mediastinum in a Young Woman**
Jung Eun Lee, Yoon Ki Cha, Jeung Sook Kim, Jin-ho Choi, Kang Min Han; Goyang, South Korea

Letter to the Editor

- 219 **Are HIV, HBV and HCV Voluntary Counseling and Testing Programs Needed in Balkans?**
Camelia Sultana, Ana-Maria Schweitzer, Mihaela Bogdan, Simona Ruta; Bucharest, Constanța, Romania

In Memoriam

- 221 **Tribute to the Greatest Mentor of All Time: Prof. Mirko Tos (1931-2018)**
Cem Uzun; Edirne, Turkey