



# BALKAN MEDICAL JOURNAL

The Official Journal of Trakya University School of Medicine

Volume: 35

Issue: 5

September 2018

## Editorial

- Sex as a Biological Variable in Research  
*Zafer Koçak*

## Invited Review Articles

- Alternative Treatments of PFD  
*Yiğit Akın et al.*
- Central Auditory Processing in Autism  
*Emre Ocak et al.*

## Original Articles

- Comparison of Single and Prolonged Prophylaxis After Biopsy  
*Arif Kalkanlı et al.*
- The Median Sensory-Ulnar Motor Latency Difference  
*Veysel Alcan et al.*
- Intravitreal Dexamethasone Implant Injection for Diabetic Macular Edema  
*Fatih Horozoğlu and Özkan Sever*
- The Cut-off Values of Knee Extension Angles  
*Muhammed Şeref Yıldırım et al.*

## Brief Report

- Obstetric Anesthesia and Analgesia in Greece  
*Chryssoula Staikou et al.*

## Case Reports

- Thrombotic Microangiopathy with a TNF Inhibitor  
*Mehmet Baysal et al.*
- Non-malignant Sequela of Ulcerative Colitis  
*Nafiye Urgancı et al.*

## Clinical Images

- Congenital Spigelian Hernia  
*Xenophon Sinopidis et al.*
- Massive Gastrointestinal Hemorrhage in Children  
*Abdulkerim Temiz et al.*
- Rare Case of Both Left Atrial and Ventricular Compression by Dissecting Aortic Aneurysm  
*Onur Argan et al.*

## Letters to the Editor

- Severe Vertigo After Cochlear Implantation: Acute Pneumolabyrinth  
*Erkan Karataş et al.*
- Does FANCA Assist CENP-E in Architectural Organization of Chromosomes at Spindle Equator?  
*Amr Ahmed El-Arabey et al.*

ISSN 2146-3123 • EISSN 2146-3131



galenos  
yayınevi

Indexed in SCI Expanded and PubMed/MEDLINE • Citation Abbreviation: **Balkan Med J**

[www.balkanmedicaljournal.org](http://www.balkanmedicaljournal.org)

*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

**Burcu TOKUÇ, MD, PhD**

Department of Public Health, 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

**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 ÜSTÜNDAĞ, 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 Istanbul Hospital, İstanbul, Turkey

**Diñçer AVLAN, MD**

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

**Semra AYTÜRK SALT, MD**

Department of Endocrinology and Metabolism, 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 Otolaryngology, 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

**Dilek OĞUZ, MD**

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

**Mevlüt 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

**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

### **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

**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

### **English Editing**

**ENAGO / New York, 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 KELEŞTİMUR, 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 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.balkanmedicaljournal.org](http://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 Akpınar

**Web Assistant**

Başak Büşra Yılmaz

**Graphics Department**

Ayda Alaca

Çiğdem Birinci

#### **Project Coordinators**

Eda Kolukisa

Hatice Balta

Lütfiye Ayhan İrtem

Zeynep Altındağ

**Project Assistants**

Esra Semerci

Günay Selimoğlu

Sedanur Sert

**Finance Coordinator**

Sevinç Çakmak

**Research&Development**

Denis Sleptsov

#### **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](mailto:info@galenos.com.tr) [yyayin@galenos.com.tr](mailto:yyayin@galenos.com.tr) **Web:** [www.galenos.com.tr](http://www.galenos.com.tr)

**Printing at:** Trakya Üniversitesi Matbaası

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

**Phone:** +90 (284) 224 02 83

**Printing Date:** September 2018

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

International scientific journal published bimonthly.

## CONTENTS

### Editorial

- 356 Sex as a Biological Variable in Research: the New Policy of Balkan Medical Journal**  
*Zafer Koçak; Edirne, Turkey*

### Invited Review Articles

- 358 The Novel and Minimally Invasive Treatment Modalities for Female Pelvic Floor Muscle Dysfunction; Beyond the Traditional**  
*Yiğit Akin, Matthew Young, Muhammad Elmussareh, Nikolaus Charalampogiannis, Ali Serdar Gözen; İzmir, Turkey, Wakefield, The United Kingdom, Heilbronn, Germany*
- 367 Central Auditory Processing Disorders in Individuals with Autism Spectrum Disorders**  
*Emre Ocak, Rebecca S. Eshraghi, Ali Danesh, Rahul Mittal, Adrien A. Eshraghi; Miami, USA*

### Original Articles

- 373 Comparison of Single and Prolonged Fluoroquinolone Prophylaxis and Risk Factors for Infectious Complications After Transrectal Prostate Biopsy**  
*Arif Kalkanlı, Cem Tuğrul Gezmiş, Arif Özkan, Nusret Can Çilesiz, Fatih Yanaral, Memduh Aydın, Zafer Tandoğdu; İstanbul, Turkey, Newcastle, United Kingdom*
- 378 Comparison of Interpolation Methods in the Diagnosis of Carpal Tunnel Syndrome**  
*Veysel Alcan, Murat Zinnuroğlu, Gülçin Kaymak Karataş, Elliot Bodofsky; Ankara, Turkey, New Jersey, USA*
- 384 Early Retinal and Choroidal Coat Thickness Changes after Intravitreal Dexamethasone Implant Injection for Diabetic Macular Edema**  
*Fatih Horozoğlu, Özkan Sever; Tekirdağ, Turkey*
- 388 The Cut-off Values for the Diagnosis of Hamstring Shortness and Related Factors**  
*Muhammed Şeref Yıldırım, Filiz Tuna, Derya Demirbağ Kabayel, Necdet Süt; Edirne, Turkey*

### Brief Report

- 394 Current Practice in Obstetric Anesthesia and Analgesia in Public Hospitals of Greece: A 2016 National Survey**  
*Chryssoula Staikou, Alexandros Makris, Kassiani Theodoraki, Athanasia Tsaroucha, Amalia Douma, Eleni Moka, Eleni Arnaoutoglou, Tilemahos Paraskevopoulos, Ioanna Sifaka, Efi Stavropoulou, Eriphili Argyra; Athens, Crete, Larissa, Greece*

### Case Reports

- 398 Drug Induced Thrombotic Microangiopathy with Certolizumab Pegol**  
*Mehmet Baysal, Elif Gülsüm Ümit, Fatih Sarıtaş, Nil Su Kodal, Ahmet Muzaffer Demir; Edirne, Tekirdağ, Turkey*
- 400 Filiform Polyposis in Ulcerative Colitis: A Rare Pediatric Case**  
*Nafiye Urgancı, Derya Kalyoncu, Canan Tanık; İstanbul, Turkey*

### Clinical Images

- 402 Congenital Spigelian Hernia Combined with Bilateral Inguinal Hernias**  
*Xenophon Sinopidis, Antonios Panagidis, Vasileios Alexopoulos, Ageliki Karatza, George Georgiou; Patras, Greece*
- 404 Endovascular Diagnosis and Successful Treatment of Massive Gastrointestinal Hemorrhage in Children**  
*Abdulkerim Temiz, Murat Gedikoğlu, Semire Serin Ezer, Pelin Oğuzkurt, Akgün Hiçsönmez; Ankara, Turkey*
- 406 Rare Case of Both Left Atrial and Ventricular Compression by Dissecting Aortic Aneurysm**  
*Onur Argan, Dilek Ural, Serdar Bozyel; Kocaeli, Turkey*

### Letters to the Editor

- 408 Severe Vertigo After Cochlear Implantation: Acute Pneumolabyrinth**  
*Erkan Karataş, Yüksel Toplu, Emrah Gündüz, İsmail Demir; Malatya, Turkey*
- 410 Does FANCA Assist CENP-E in Architectural Organization of Chromosomes at Spindle Equator?**  
*Amr Ahmed El-Arabey, Salama Abdu Salama, Adel Rashad Abd-Allah; Cairo, Egypt*