



# BALKAN MEDICAL JOURNAL

The Official Journal of Trakya University School of Medicine

Volume: 34

Issue: 5

September 2017

## Editorials

- **Announcing the New Website of Balkan Medical Journal**  
*Zafer Koçak and Çetin Hakan Karadağ*
- **Development and Progress of Balkan Medical Journal**  
*Zafer Koçak et al.*

## Invited Reviews

- **MRI in Prostate Cancer Active Surveillance**  
*Julie Y. An et al.*
- **Classification and Current Management of Inner Ear Malformations**  
*Levent Sennaroğlu and Münir Demir Bajin*

## Original Articles

- **Comparison of the T2-star Values of Placentas: an Ex-vivo MRI Study**  
*Nursel Yurttutan et al.*
- **Diastolic ECG Parameters Predict Device Detected AF**  
*Ahmet İlker Tekkeşin et al.*
- **Screw Position**  
*Mehmet Nuri Konya and Özgür Verim*
- **Bacterial Resistance Patterns of Urinary Tract Infections**  
*İbrahim Gökçe et al.*
- **Efficiency of Preoperative Intubation Tests**  
*İlker Yıldırım et al.*

- **Effects of Apigenin on Ovarian Damage**  
*Zeynep Soyman et al.*
- **Day 12  $\beta$ -hCG in IVF**  
*İnci Kahyaoğlu et al.*
- **Shrinkage During Formalin Fixation**  
*Leyla Kansu et al.*

## Brief Report

- **Inverted Pattern in Urothelial Carcinoma**  
*Sehbal Arslankoz et al.*

## Case Reports

- ***S. enterica* Serovar Enteritidis Liver Abscess**  
*Agata Ladic et al.*
- **Brugada-Like ECG Pattern Induced by Propafenone**  
*Mehmet Emre Arı and Filiz Ekici*

## Clinical Images

- **Giant Bilateral Adrenal Myelolipoma**  
*Sushilkumar Satish Gupta and Yizhak Kupfer*
- **Schnitzler Syndrome**  
*Ricardo Ruiz-Villaverde et al.*

## Letters to the Editor

- **Areataeus of Cappadocia and Pulmonary Tuberculosis**  
*Konstantinos Laios et al.*
- **Letter to the Editor concerning "Altered chondrocyte apoptosis status in developmental hip dysplasia in rabbits"**  
*Feridun Çilli*

ISSN 2146-3123 • E-ISSN 2146-3131



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*

## Editor-at-Large

**Cem UZUN, MD.,**

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

## Honorary Editor

**Ahmet ULUGÖL, MD., PhD.,**

*Department of Pharmacology, 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*

## 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 ÜSTÜNDAĞ, MD., PhD.,**

*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*

**Ufuk USTA, MD.,**

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

## Ethics Editor

**Berna ARDA, MD., Med Spec, 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*

## Editorial Board

**Armağan ALTUN, MD., PhD.,**

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

**Asım ASLAN, MD.,**

*Department of Otolaryngology, Celal Bayar University School of Medicine, Manisa, 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 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, Istanbul University School of Medicine, Istanbul, Turkey

**Darko KASTELAN, MD., PhD.,**

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

**Selma KORKMAZ, MD.,**

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

**Abdülkadir TURGUT, MD.,**

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

**Irena VELCHEVA, 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

## 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

**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

**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

## English Editing

### Proof-Reading Services

United Kingdom

---

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



**Publisher**  
Erkan Mor

**Publication Director**  
Nesrin Çolak

**Web Coordinators**  
Eren Arsel  
Soner Yıldırım  
Turgay Akpınar

**Graphics Department**  
Ayda Alaca  
Çiğdem Birinci

#### Project Coordinators

Ebru Boz  
Eda Kolukisa  
Hatice Balta  
Lütfiye Ayhan İrtem  
Melis Kuru  
Zeynep Altındağ

**Finance Coordinator**  
Sevinç Çakmak

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

Printing at: Trakya Üniversitesi Matbaası  
Edirne Teknik Bilimler M.Y.O Sarayıçeri Yerleşkesi, 22020 Yeni İmaret, Edirne, Turkey  
Phone: +90 (284) 224 02 83  
Printing Date: October 2017  
ISSN: 2146-3123 E-ISSN: 2146-3131  
International scientific journal published bimonthly.

## CONTENTS

### Editorials

**384 Announcing the New Website of Balkan Medical Journal**

*Zafer Koçak, Çetin Hakan Karadağ; Edirne, Turkey*

**385 Development and Progress of Balkan Medical Journal**

*Zafer Koçak, Necdet Süt, Ahmet Asan; Edirne, Turkey*

### Invited Reviews

**388 Multiparametric Magnetic Resonance Imaging for Active Surveillance of Prostate Cancer**

*Julie Y. An, Abhinav Sidana, Peter L. Choyke, Bradford J. Wood, Peter A. Pinto, İsmail Barış Türkbey; Maryland, USA*

**397 Classification and Current Management of Inner Ear Malformations**

*Levent Sennaroğlu, Münir Demir Bajin; Ankara, Turkey*

### Original Articles

**412 Comparison of the T2-star Values of Placentas Obtained from Pre-eclamptic Patients with Those of a Control Group: an Ex-vivo Magnetic Resonance Imaging Study**

*Nursel Yurttutan, Murat Bakacak, Betül Kızıldağ; Kahramanmaraş, Turkey*

**417 Diastolic Electrocardiographic Parameters Predict Implantable Device Detected Asymptomatic Atrial Fibrillation**

*Ahmet İlker Tekkeşin, Yalçın Velibey, Ceyhan Türkkkan, Ahmet Taha Alper, Yasin Çakıllı, Tolga Sinan Güvenç, Ozan Tanık, Adnan Kaya, Özlem Yıldırım Türk, Nazmiye Özbilgin, Özge Güzelburç, Ahmet Öz, Regayip Zehir, Kadir Gürkan; İstanbul, Turkey*

**425 Numerical Optimization of the Position in Femoral Head of Proximal Locking Screws of Proximal Femoral Nail System; Biomechanical Study**

*Mehmet Nuri Konya, Özgür Verim; Afyon, Turkey*

**432 Changes in Bacterial Resistance Patterns of Pediatric Urinary Tract Infections and Rationale for Empirical Antibiotic Therapy**

*İbrahim Gökçe, Neslihan Çiçek, Serçin Güven, Ülger Altuntaş, Neşe Bıyıklı, Nurdan Yıldız, Harika Alpay; İstanbul, Turkey*

**436 Determining the Efficiency of Different Preoperative Difficult Intubation Tests on Patients Undergoing Caesarean Section**

*İlker Yıldırım, Mehmet Turan İnal, Dilek Memiş, F. Nesrin Turan; Edirne, Turkey*

**444 Effects of Apigenin on Experimental Ischemia/Reperfusion Injury in the Rat Ovary**

*Zeynep Soyman, Sefa Kelekçi, Veysel Sal, Osman Şevket, Nihan Bayındır, Hafize Uzun; İstanbul, İzmir, Turkey*

**450 Value of Post-transfer Day-12 Beta Human Chorionic Gonadotropin Levels for Pregnancy Outcome Prediction of Intracytoplasmic Sperm Injection Cycles**

*İnci Kahyaoğlu, Berfu Demir, Sezin Ertürk Aksakal, İskender Kaplanoğlu, Leyla Mollamahmutoğlu; Ankara, Turkey*

**458 Shrinkage of Nasal Mucosa and Cartilage During Formalin Fixation**

*Leyla Kansu, Erdinç Aydın, Hampar Akkaya, Suat Avcı, Nalan Akalın; Ankara, Turkey*

### Brief Report

**464 The Influence of Inverted Growth Pattern on Recurrence for Patients with Non-Invasive Low Grade Papillary Urothelial Carcinoma of Bladder**

*Sehbal Arslankoz, İbrahim Kulaç, Dilek Ertoy Baydar; Ankara, Mardin, Turkey*

### Case Reports

**469 Salmonella enterica Serovar Enteritidis Liver Abscess after Blunt Abdominal Trauma**

*Agata Ladic, Igor Petrovic, Ante Gojevic, Emil Kinda, Ivo Coza; Zagreb, Zadar, Croatia*

**473 Brugada-Phenocopy Induced by Propafenone Overdose and Successful Treatment: A Case Report**

*Mehmet Emre Arı, Filiz Ekici; Ankara, Turkey*

## CONTENTS

### Clinical Images

**476 Giant Bilateral Adrenal Myelolipoma**

*Sushilkumar Satish Gupta, Yizhak Kupfer; New York, USA*

**478 Beyond Urticaria: Schnitzler Syndrome**

*Ricardo Ruiz-Villaverde, Ahinoa Bueno-Rodriguez, Daniel Sánchez-Cano; Granada, Spain*

### Letters to the Editor

**480 Aretaeus of Cappadocia and Pulmonary Tuberculosis**

*Konstantinos Laios, George Androutsos, Marilita M. Moschos; Athens, Greece*

**481 Letter to the Editor concerning "Altered chondrocyte apoptosis status in developmental hip dysplasia in rabbits"**

*Feridun Çilli; İstanbul, Turkey*