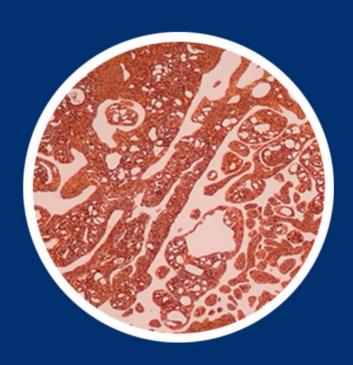
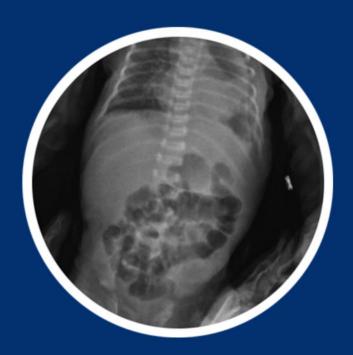


e-ISSN: 2149-3189

# European Research Journal







# The European Research Journal

## Aim and Scope

The European Research Journal (EuRJ) is an international, independent, double-blind peer reviewed, Open Access and online publishing journal, which aims to publish papers on all the related areas of basic and clinical medicine.

Editorial Board of the European Research Journal complies with the criteria of the International Council of Medical Journal Editors (ICMJE), the World Association of Medical Editors (WAME), and Committee on Publication Ethics (COPE).

The journal publishes a variety of manuscripts including original research, case reports, invited review articles, technical reports, how-to-do it, interesting images and letters to the editor. The European Research Journal has signed the declaration of the Budapest Open Access Initiative. All articles are detected for similarity or plagiarism. Publication language is English. The journal does not charge any article submission or processing charges.

EuRJ recommends that all of our authors obtain their own ORCID identifier which will be included on their article.

The journal is published bimonthly (January, March, May, July, September, and November).

## **Abstracting and Indexing**

The journal is abstracted and indexed with the following: TR Index (ULAKBİM TR Dizin), Google Scholar, Index Copernicus (ICV 2018: 100), EMBASE, ProQuest Central, ROAD, SciLit, MIAR, J-Gate, SHERPA/RoMEO, BASE, EZB, CrossRef, JournalTOCs, WorldCat, TURK MEDLINE, Turkish Citation Index.



#### **Publisher**

The European Research Journal (EuRJ)
The Association of Health Research & Strategy
Kırcaali Mah. Fevziçakmak Cd. Göktaş İş Mrk.
Kat:3 No:62/12
Osmangazi/BURSA-TURKEY
www.dergipark.org.tr/eurj/



e-ISSN: 2149-3189

The European Research Journal, hosted by Turkish JournalPark ACADEMIC, is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License.



### **EDITORIAL BOARD**

#### **EDITOR-IN-CHIEF**

Senol YAVUZ, MD,

Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Cardiovascular Surgery,
Bursa, Turkey,

#### **MANAGING EDITOR**

Nizameddin KOCA, MD,

Assistant Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training & Research Hospital,
Department of Internal Medicine,
Bursa, Turkey

#### FOUNDING EDITOR

Rustem ASKIN, MD,

Professor of Psychiatry Head of the Association of Health Research & Strategy, Bursa, Turkey

#### **EDITORIAL ASSISTANT**

Ugur BOLUKBAS

#### **EDITORS**

Davut AKDUMAN, MD,

Associate Professor,
University of Health Sciences, Keçiören Training & Research Hospital
Department of Otorhinolaryngology,
Ankara, Turkey

Mehmet HAKSEVER, MD,

Associate Professor, Medical Park Bursa Hospital Department of Otorhinolaryngology, Bursa, Turkey

#### Omer SENORMANCI, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Intisas Training & Research Hospital,
Department of Psychiatry,
Bursa, Turkey

#### Rahmi DUMAN, MD,

Associate Professor, Ankara LIV Hospital, Department of Ophthalmology, Ankara, Turkey

#### Ali ASAN, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Intisas Training & Research Hospital,
Department of Infectious Disease,
Bursa, Turkey

#### Meliha KASAPOGLU AKSOY, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Physical Therapy & Rehabilitation,
Bursa, Turkey

#### Sinem KIYICI, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Endocrinology & Metabolism
Bursa, Turkey

#### Soner CANDER, MD

Associate Professor,
Uludag University Medical School,
Department of Endocrinology & Metabolism
Bursa, Turkey

#### Metin GUCLU, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Endocrinology & Metabolism
Bursa, Turkey

#### Cuma Bulent GUL, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Nephrology
Bursa, Turkey

#### Sedat ONER, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Urology
Bursa, Turkey

#### Burcu METIN OKTEN, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Physical Therapy & Rehabilitation,
Bursa, Turkey

#### Arda ISIK, MD

Associate Professor,
Binali Yildirim University School of Medicine,
Department of General Surgery,
Erzincan, Turkey

#### Emin USTUNYURT, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Physical Therapy & Rehabilitation,
Bursa, Turkey

#### Mehtap BULUT, MD

Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Emergency Medicine,
Bursa, Turkey

#### Mete KAYA, MD

Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Pediatric Surgery,
Bursa, Turkey

#### Melih CEKINMEZ, MD

Professor,

University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Neurosurgery,
Bursa, Turkey

#### Serhat YALCINKAYA, MD

Assistant Professor, Kutahya University of Health Sciences, Department of Thoracic Surgery Kutahya, Turkey

#### Korgun OKTEM, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Anesthesiology & Reanimation,
Bursa, Turkey

#### Derya KARASU, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Anesthesiology & Reanimation,
Bursa, Turkey

#### Hasan ARI, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Cardiology,
Bursa, Turkey

#### Erhan TENEKECIOGLU, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Cardiology,
Bursa, Turkey

#### Kadir Kaan OZSIN, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Cardiovascular Surgery,
Bursa, Turkey

#### Nurullah DOGAN, MD,

Associate Professor, Doruk Medical Center, Department of Radiology, Bursa, Turkey

Gokhan OCAKOGLU, PhD,

Associate Professor, Uludag University School of Medicine, Department of Biostatistics, Bursa, Turkey

#### INTERNATIONAL EDITORIAL BOARD MEMBERS

Ahmet KIZILAY, MD

Professor, Inönü University School of Medicine, Department of Otorhinolaryngology, Malatya, Turkey

Alparslan ERSOY, MD

Professor, Uludag University School of Medicine Department of Nephrology & Transplantation Bursa, Turkey

Aron Frederik POPOV, MD

Professor, University of Frankfurt, Department of Cardiothoracic Surgery, Frankfurt, Germany

Cristina FLORESCU, MD

Associate Professor, University of Craiova, Department of Medicine & Pharmacy, Romania

#### Elif EKINCI, MD

MBBS, FRACP, PhD University of Melbourne Department of Medicine, Melbourne, Australia

Erdem CUBUKCU, MD

Associate Professor, Uludag University School of Medicine, Department of Medical Oncology, Bursa, Turkey

Essam M MAHFOUZ, MD

Professor,
University of Mansoura School of Medicine
Department of Cardiology,
Mansoura, Egypt

Francesco CARELLI, MD

Professor,
University of Milan School of Medicine,
Department of Family Medicine,
Milan, Italy

Gary TSE, MD, PhD

Assistant Professor,
The Chinese University of Hong Kong,
Department of Medicine and Therapeutics,
Hong Kong, China

Ibrahim TAYMUR, MD,

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Psychiatry,
Bursa, Turkey

Kendra J. GRUBB, MD, MHA, FACC

Assistant Professor, Emory University School of Medicine, Department of Cardiovascular Surgery, Atlanta, GA, USA

#### Koray AYAR, MD

Assistant Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital,
Department of Rheumatology,
Bursa, Turkey

#### Muhammet GUZELSOY, MD

Associate Professor,
University of Health Sciences, Bursa Yuksek Ihtisas Training & Research Hospital,
Department of Urology
Bursa, Turkey

#### Muzaffer DEMIR, MD

Professor,
Trakya University School of Medicine,
Department of Hematology,
Edirne, Turkey

#### Nader D NADER, MD

Professor,
University of Buffalo School of Medicine
Department of Anesthesiology,
NY, USA

#### Omer Fatih OLMEZ, MD

Professor,
Medipol University School of Medicine,
Department of Medical Oncology,
Istanbul, Turkey

#### Ozen OZ GUL, MD

Associate Professor, Uludag University School of Medicine, Department of Endocrinology & Metabolism, Bursa, Turkey

#### Ozkan KANAT, MD,

Professor, Acibadem University Hospital Department of Medical Oncology, Bursa, Turkey

#### Sait Ait BENALI, MD

Professor,
Cadi Ayyad University School of Medicine,
Department of Neurosurgery,
Marrakech, Morocco

Sedat ALTIN, MD

Professor,
University of Health Sciences, Yedikule Training & Research Hospital,
Department of Chest Diseases,
Istanbul, Turkey

Semih HALEZEROGLU, MD, FETCS

Professor,
Acibadem University School of Medicine,
Department of Thoracic Surgery,
Istanbul, Turkey

Veysel TAHAN, MD, FACP, FACG, FESBGH

Assistant Professor, University of Missouri, Division of Gastroenterology and Hepatology, Columbia, Missouri, USA

Yenal DUNDAR, MD

University of Liverpool School of Medicine, Department of Psychiatry, Liverpool, UK

# **Table of Contents**

# **Original Articles**

Hepatitis B seroprevalence in hematological oncology patients Melda TURKEN, Şükran KÖSE, Ayşe ÖZKAN ACAR, Cengiz CEYLAN, Hazal ALBAYRAK, Eren ARKALI	87-91
Red cell distribution width and red cell distribution width to total serum calcium ratio as predictors of mortality in acute pancreatitis: a retrospective cohort study Cihan BEDEL, Sefa TÜRKOĞLU	92-98
Increased mean platelet volume in patients with vestibular migraine Mehmet Emin ÇAVUŞ, Talip Talha TANYELİ, Fatih Alper AKCAN, Ömer BAYIR, Didem GÖKKURT	99-104
Adolescent pregnancies: a 10-year single-center experience Deha Denizhan KESKİN	105-110
The additional diagnostic value of NLR and PLR for CA-125 in the differential diagnosis of endometrioma and benign ovarian cysts in women of reproductive age: a retrospective case-control study	111-119
Ziya KALEM, Çoşkun ŞİMŞİR, Batuhan BAKIRARAR, Müberra NAMLI KALEM	
Prevalence of joint hypermobility, hypermobility spectrum disorder and hypermobile Ehlers-Danlos syndrome in a university population: an observational study  Filiz TUNA	120-129
Comparison of the effects of hyperbaric oxygen and extracorporeal shock wave therapy on healing in osteotendinousjunctional injuries: an experimental study of the rabbit model Bilgin HALİL, Yüksel ÖZKAN, Yavuz AKALIN, Nazan ÇEVİK, Alpaslan ÖZTÜRK	130-137
The management of Bochdalek congenital diaphragmatic hernia: a single center experience and review of the literature  Sefer Tolga OKAY, Serpil SANCAR, Esra ÖZÇAKIR, İpek GÜNEY VARAL, Pelin DOĞAN, Mete KAYA	138-144
The opinion of sports science professionals for the benefit of statistics: an international webbased survey Gökhan OCAKOĞLU, Aslı Ceren MACUNLUOĞLU, Fatma Ezgi CAN, Büşra KAYMAK, Zeynep YİVLİK	145-153
Early bacterial identification and carbapenemase detection from positive blood culture by mass spectrometry and Blue-Carba test  María Eugenia CATTANİ, Sandra COGUT, Sara C. KAUFMAN	154-162
Evaluation of the relationship between serum cholesterol levels and multiple sclerosis disease activity  Meral SEFEROGLU, Nizameddin KOC4	163-168

## **Case Series**

Three cases with Klippel-Trenaunay syndrome and treatment options Ersin ÇELİK, İlker ALAT	169-172
Squamoid eccrine ductal carcinoma: a case report Zeynep BAYRAMOĞLU, Betül ÜNAL	173-177
Review	
Peripheral artery disease in women Şenol YAVUZ, Kadir Kaan ÖZSİN, Umut Serhat SANRI, Faruk TOKTAŞ	178-186