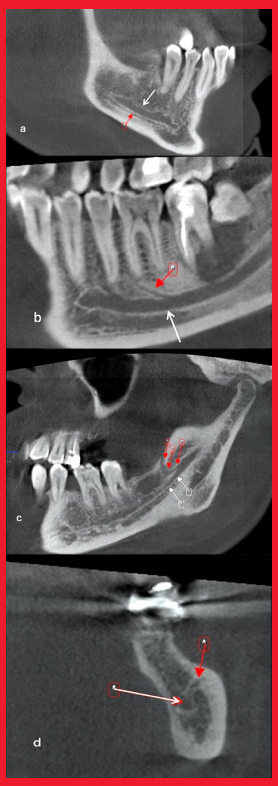
EISSN 2148-2373

BEZMIALEM VAKIF UNIVERSITY
1845

BEZMİÂLEM science



Comparative Efficacy of Diazepam Monotherapy Versus Diazepam-haloperidol Combination in the Treatment of Stimulant-induced Agitation: A Double-blind Clinical Trial

Faraz ZANDIYEH, Maral RAMEZANI, Shahin SHADNIA, Babak MOSTAFAZADEH, Mitra RAHIMI, Nava SOLEIMANI, Peyman ERFANTALABEVINI, Eka KURDADZE, Jemima D. Desir DOUGE; Tehran, Arak, Iran; Tbilisi, Georgia; Florida, USA

Measurement of Irisin, Adiponectin, and Leptin Levels in Patients with Idiopathic Epilepsy

Şeyma SÖNMEZ ŞAHİN, Türkan UYGUR ŞAHİN, Tuğçe YILDIZ, Zeynep Ebru ÇAKIN, Seher DURAN, Şahabettin SELEK, Dilara Füsun İÇAĞASIOĞLU, Akın İŞCAN: İstanbul, Siirt, Türkiye

Estimation of the Median Effective Dose of Propofol for Colonoscope Advancement to the Rectosigmoid Junction in Geriatric Patients: A Prospective Dose-finding Study

Bedirhan GÜNEL, Ayşe ŞENCAN: Kocaeli, Sakarya, Türkiye

Prognostic Value of Admission Red Cell Distribution Width and Mean Platelet Volume in Pediatric Sepsis and Septic Shock: Comparison with CRP, Procalcitonin, Lactate, PRISM IV and pSOFA

Ferhat SARI, Gökhan CEYLAN, Özlem SARAÇ, Gülhan ATAKUL, Ekin SOYDAN, Hasan AĞIN: İstanbul, İzmir, Aydın, Türkiye; Bonaduz, Switzerland

Volume 14 • Issue 4 • October 2026

bezmialemscience.org

galenos yayınevi

BEZMİÂLEM science

Editor-in-Chief

Prof. Dr. Adem AKÇAKAYA
Bezmialem Vakıf University Faculty of Medicine, Department of General Surgery, İstanbul, Türkiye
E-mail: drakcakaya@gmail.com

Executive Deputy Chief Editor

Prof. Dr. Bülent DURDU
Bezmialem Vakıf University Faculty of Medicine, Department of Infectious Diseases and Clinical Microbiology, İstanbul, Türkiye
E-mail: bulentdurdu@gmail.com

Deputy Editors

Prof. Dr. Ali UZUNKÖY
Harran University Faculty of Medicine, Department of General Surgery, Şanlıurfa, Türkiye
E-mail: aliuzunkoy@yahoo.com

Prof. Dr. Remzi DOĞAN
Bezmialem Vakıf University Faculty of Medicine, Department of Otorhinolaryngology, İstanbul, Türkiye
E-mail: dr.remzidogan@gmail.com

Mahmut AKGÜL, MD
Brigham and Women's Hospital, Clinic of Pathology, Boston, Massachusetts, USA
E-mail: makgul@bwh.harvard.edu

Prof. Dr. Hayrettin DAŞKAYA
Bezmialem Vakıf University Faculty of Medicine, Department of Anesthesiology and Reanimation, İstanbul, Türkiye
E-mail: h.daskaya@gmail.com

Prof. Dr. İbrahim AYDOĞDU
Bezmialem Vakıf University Faculty of Medicine, Department of Pediatric Surgery, İstanbul, Türkiye
E-mail: draydogdu@yahoo.com

Associated Editors

Prof. Dr. Abdürrahim KOÇYİĞİT
Bezmialem University Faculty of Medicine, Department of Medical Biochemistry, İstanbul, Türkiye
E-mail: akocyigit@bezmialem.edu.tr

Prof. Dr. Simona CAVALU
University of Oradea, Faculty of Medicine and Pharmacy, Oradea, Romania
E-mail: simona.cavalu@gmail.com

Prof. Dr. Pınar SOYSAL
Bezmialem Vakıf University Faculty of Medicine, Department of Geriatric Medicine, İstanbul, Türkiye
E-mail: psoysal@bezmialem.edu.tr

Prof. Dr. Mehmet Burak GÜNEŞER
Bezmialem Vakıf University Faculty of Dentistry, Department of Endodontics, İstanbul, Türkiye
E-mail: mbguneser@bezmialem.edu.tr

Assoc. Prof. Büşra Yaprak BAYRAK
Kocaeli University Faculty of Medicine, Department of Pathology, Kocaeli, Türkiye
E-mail: busra.yaprakbayrak@kocaeli.edu.tr

Section Editors

Assoc. Prof. Alis KOSTANOĞLU
Bezmialem Vakıf University Faculty of Health Sciences, Department of Physiotherapy and Rehabilitation, İstanbul, Türkiye
E-mail: aliskostanoglu@gmail.com

Assoc. Prof. Ayşe Filiz GÖKMEN KARASU
Bezmialem Vakıf University Faculty of Medicine, Department of Gynecology and Obstetrics, İstanbul, Türkiye
E-mail: afgokmen@gmail.com

Assoc. Prof. Ayşegül DOĞAN DEMİR
İstanbul Medipol University Faculty of Medicine, Department of Social Pediatrics, İstanbul, Türkiye
E-mail: ayseguldogandemir@gmail.com

Publisher Contact
Address: Molla Gürani Mah. Kaçamak Sk. No: 21/1
34093 İstanbul, Türkiye
Phone: +90 (530) 177 30 97
E-mail: info@galenos.com.tr/yayin@galenos.com.tr

Web: www.galenos.com.tr
Publisher Certificate Number: 14521
Publication Date: October 2026
E-ISSN: 2148-2373
International scientific journal published quarterly.

BEZMIALEM VAKIF UNIVERSITY 1845

BEZMİÂLEM science

Assoc. Prof. Bahadır TASLIDERE
Bezmialem Vakıf University Faculty of Medicine, Department of Emergency Medicine, İstanbul, Türkiye
E-mail: btaslidere@bezmialem.edu.tr

Assoc. Prof. Burcu OĞLAKÇI ÖZKOÇ
Bezmialem Vakıf University Faculty of Dentistry, Department of Restorative Dental Treatment, İstanbul, Türkiye
E-mail: burcu923@hotmail.com

Assoc. Prof. Çağla KIZILARSLAN HANÇER
Bezmialem University Faculty of Pharmacy, Department of Pharmaceutical Botany, İstanbul, Türkiye
E-mail: c.kizilarslan@gmail.com

Assoc. Prof. Ebru HACIOSMANOĞLU ALDOĞAN
İstanbul-Cerrahpaşa University Faculty of Medicine, Department of Biophysics, İstanbul, Türkiye
E-mail: ebru.aldogan@iuc.edu.tr

Prof. Dr. Fahri AKBAŞ
Bezmialem Vakıf University Faculty of Medicine, Department of Medical Biology, İstanbul, Türkiye
E-mail: fakbas@bezmialem.edu.tr

Fatma Betül AKÇAKAYA ÖZER, MD
Republic of Türkiye Ministry of Health, Kağıthane District Health Directorate, İstanbul, Türkiye
E-mail: betulakcakaya@hotmail.com

Assoc. Prof. Mehmet Ali GÜLTEKİN
Bezmialem Vakıf University Faculty of Medicine, Department of Radiology, İstanbul, Türkiye
E-mail: mgultekin@bezmialem.edu.tr

Lect. Merve MEŞEDÜZÜ
Bezmialem Vakıf University Faculty of Health Sciences, Department of Nursing, İstanbul, Türkiye
E-mail: mmeseduzu@bezmialem.edu.tr

Assoc. Prof. Muhammed Batuhan AYIK
Bezmialem Vakıf University Faculty of Medicine, Department of Psychiatry, İstanbul, Türkiye
E-mail: batuhan.ayik@bezmialem.edu.tr

Prof. Dr. Muharrem KISKAÇ
Prof. Dr. Muharrem Kıskaç Private Clinic, Department of Internal Medicine, İstanbul, Türkiye
E-mail: muharremkiskac@gmail.com

Prof. Dr. Özlem SU KÜÇÜK
Bezmialem Vakıf University Faculty of Medicine, Department of Dermatology, İstanbul, Türkiye
E-mail: ozlemsukucuk2@yahoo.com.tr

Assoc. Prof. Semiramis ÖZYILMAZ
Bezmialem University Faculty of Medicine, Department of Physiotherapy and Rehabilitation, İstanbul, Türkiye
E-mail: sozyilmaz@bezmialem.edu.tr

Prof. Dr. Yeter DEMİR USLU
Istanbul Medipol University Faculty of Health Sciences, Department of Health Management, İstanbul, Türkiye
E-mail: yuslu@medipol.edu.tr

Assoc. Prof. Ozan Volkan YURDAKUL
Bezmialem Vakıf University Faculty of Medicine, Department of Physical Medicine and Rehabilitation, İstanbul, Türkiye
E-mail: oyurdakul@bezmialem.edu.tr

Biostatistics Consultants

Asst. Prof. Ömer UYSAL
Bezmialem Vakıf University Faculty of Medicine, Department of Biostatistics and Medical Informatics, Division of Basic Medical Sciences, İstanbul, Türkiye
E-mail: omer.uysal@iuc.edu.tr

Assoc. Prof. Ayşegül YABACI TAK
Bezmialem Vakıf University Faculty of Medicine, Department of Biostatistics and Medical Informatics, İstanbul, Türkiye
E-mail: ayabaci@bezmialem.edu.tr

BEZMIALEM VAKIF UNIVERSITY 1845

BEZMİÂLEM science

Scientific Board

Anne-Catherine ANDRES
Department of Clinical Research, University of Bern School of Medicine, Switzerland

Amrita BANERJEE
Department of Pharmaceutical Sciences, North Dakota State University School of Pharmacy, Fargo, ND, USA
ORCID: 0000-0002-1977-4685

Gökçen BAŞARANOĞLU
Department of Anesthesiology and Reanimation, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Artur BEKE
Department of Obstetrics and Gynecology, Semmelweis University, Budapest, Hungary

Ahmet BELCE
Department of Biochemistry, Biruni University School of Medicine, İstanbul, Türkiye
ORCID: 0000-0002-1228-7999

Ufuk ÇAKATAY
Department of Biochemistry, İstanbul University-Cerrahpaşa, Cerrahpasa School of Medicine, İstanbul, Türkiye

Yeter DEMİR
Department of Healthcare Management, İstanbul Medipol University Faculty of Health Sciences, İstanbul, Türkiye

İrem Yağmur DİKER
Department of Molecular Biology and Genetics, Bezmialem Vakıf University, İstanbul, Türkiye

Özlem DURMAZ
Department of Pediatric Gastroenterology, Hepatology and Nutrition, İstanbul University School of Medicine, İstanbul, Türkiye

Atilla EROĞLU
Department of Thoracic Surgery, Atatürk University School of Medicine, Erzurum, Türkiye

Mukkades EŞREFOĞLU
Department of Histology and Embryology, Bezmialem Vakıf University, İstanbul, Türkiye

Joachim FANDREY
Department of Physiology, Duisburg University School of Medicine, Duisburg, Germany
ORCID: 0000-0001-9585-0531

Max GASSMAN
Department of Veterinary Physiology, Institute of Veterinary Physiology, University of Zurich, Zurich, Switzerland

Renate GAY
Department of Rheumatology, University of Zurich School of Medicine, Zurich, Switzerland

Steffen GAY
Department of Rheumatology, University of Zurich School of Medicine, Zurich, Switzerland

Klaus W. GRAETZ
Department of Cranio-Maxillo-Facial and Oral Surgery, Zurich University School of Medicine, Zurich, Switzerland

Ülkan KILIÇ
Department of Medical Biology, University of Health Sciences Türkiye School of Medicine, İstanbul, Türkiye

İsmet KIRPINAR
Private Practitioner, İstanbul, Türkiye

Abdürrahim KOÇYİĞİT
Department of Medical Biochemistry, Bezmialem Vakıf University, İstanbul, Türkiye

Tufan KUTLU
Department of Pediatric Gastroenterology and Hepatology, İstanbul University-Cerrahpaşa, Cerrahpaşa School of Medicine, İstanbul, Türkiye

Thomas A. LUTZ
Department of Veterinary Physiology, University of Zürich School of Medicine, Zurich, Switzerland

Martina MUCKENTHALER
Department of Pediatric Oncology, Heidelberg University, Heidelberg, Germany
ORCID: 0000-0002-3778-510X

Hayat ÖNYÜKSEL
Department of Biopharmaceutical Sciences, UIC Faculty of Pharmacy, Illinois, USA

Orhan ÖZTURAN
Department of Otolaryngology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

Şahabettin SELEK
Department of Medical Biochemistry, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

BEZMİÂLEM science

Suhair SUNOQROT
Department of Pharmacy, Al-Zaytoonah University of Jordan School of Pharmacy, Amman, Jordan

Claudiu T. SUPURAN
Department of Neuropharma, University of Florence School of Medicine, Firenze, Italy
ORCID: 0000-0003-4262-0323

Arzu TEZVERGİL MUTLUAY
Department of Prosthetic, University of Turku School of Medicine, Turku, Finland
ORCID: 0000-0003-0932-8531

Gülaçtı TOPÇU
Dean of the Faculty of Pharmacy, Bezmialem Vakıf University, İstanbul, Türkiye

Oliver ULRICH
Department of Anatomy, University of Zurich School of Medicine, Zurich, Switzerland

Yener YÖRÜK
Department of Thoracic Surgery, Trakya University School of Medicine, Edirne, Türkiye

Sevgi CANBAZ
Department of Public Health, İstanbul University, İstanbul Faculty of Medicine, İstanbul, Türkiye

Jie ZHOU
Department of Anesthesiology, Peroperative and Pain Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

Please refer to the journal's webpage **(https://www.bezmialemscience.org/)** for "Aims and Scope", "Instructions to Authors" and "Ethical Policy".

The editorial and publication process of Bezmialem Science are shaped in accordance with the guidelines of ICMJE, WAME, CSE, COPE, EASE, and NISO. The journal is in conformity with the Principles of Transparency and Best Practice in Scholarly Publishing.

Bezmialem Science is indexed in **Web of Science-Emerging Sources Citation Index, TUBITAK ULAKBIM, EBSCO, Gale, Embase, CABI, ProQuest, CINAHL, Türk Medline, Türk Atıf Dizini, İdealOnline, J-Gate, DOAJ, Hinari, GOALI, ARDI, OARE, AGORA** and **CNKI**.

The journal is published electronically.

Owner: Bezmiâlem Vakıf University

Responsible Manager: Adem AKÇAKAYA

BEZMIALEM VAKIF UNIVERSITY 1845

BEZMİÂLEM science

CONTENTS

Commentary

321 Methodological Limitations in Global Burden of Disease Alcohol Models: A Hepatology-oriented Perspective

Atilla BEKTAŞ, Meltem ULUSOY, Tayfun UZBAY; Ankara, İstanbul, Türkiye

Original Articles

326 Comparative Efficacy of Diazepam Monotherapy Versus Diazepam-haloperidol Combination in the Treatment of Stimulant-induced Agitation: A Double-blind Clinical Trial

Faraz ZANDIYEH, Maral RAMEZANI, Shahin SHADNIA, Babak MOSTAFAZADEH, Mitra RAHIMI, Nava SOLEIMANI, Peyman ERFANTALABEVINI, Eka KURDADZE, Jemima D. Desir DOUGE; Tehran, Arak, Iran; Tbilisi, Georgia; Florida, USA

333 The Relationship Between Body Image Satisfaction and Depressive Symptoms in Living Liver Donors

Tuğba Nur ÖDEN, Tufan GÜMÜŞ, Şirin DURMUŞ, Alper UĞUZ, Murat ZEYTÜNLÜ; İzmir, Türkiye

341 The Effect of Standardized Patient Simulation on Nursing Students' Insulin Administration Skills

Hilal TÜZER, Bahar VARDAR İNKAYA, Şenay SARMASOĞLU KILIKÇIER, Melih ELÇİN, Betül ŞAHİN KILINÇ; Ankara, Bursa, Türkiye; Springfield, Massachusetts, USA

349 Evaluation of the Prevalence of Mandibular Canal Variations Using Cone-beam Computed Tomography

Elifhan ALAGÖZ, Nilüfer KARAÇAY, Nilüfer GÜRSOY, İrfan SARICA; İstanbul, Türkiye

357 Establishment of Age-specific Reference Intervals for Serum Magnesium Concentrations in Healthy Children Aged 0-18 Years: A Comparative Analysis of Non-parametric, Bootstrap, and Gaussian Mixture Model Approaches

Adile ÖZERTÜRK, Fatma KUMBASAR, Mehmet Murat YEKREK, Özge PASİN, Eray Metin GÜLER; İstanbul, Türkiye

365 Measurement of Irisin, Adiponectin, and Leptin Levels in Patients with Idiopathic Epilepsy

Şeyma SÖNMEZ ŞAHİN, Türkan UYGUR ŞAHİN, Tuğçe YILDIZ, Zeynep Ebru ÇAKIN, Seher DURAN, Şahabettin SELEK, Dilara Füsun İÇAĞASIOĞLU, Akın İŞCAN; İstanbul, Siirt, Türkiye

376 Comparative Analysis of Aesthetic Judgment between Orthodontists, General Dentists, and Different Versions of Large Language Models Using the IOTN-AC Index

Rümeysa Cemre ÖNCÜ, Aylin PAŞAOĞLU BOZKURT; İstanbul, Türkiye

BEZMIALEM VAKIF UNIVERSITY 1845

BEZMİÂLEM science

CONTENTS

385 AHEAD Score and Prolonged Intensive Care Unit Stay Following Isolated Coronary Artery Bypass Grafting

Büşra GÜVENDİ ŞENGÖR, Mehmet ŞENGÖR, Muhammet Mucahit TİRYAKİ, Faruk AKALIN, Kadir BIYIKLI, Mustafa Ferhat KETEN, Cemalettin YILMAZ, Ünal AYDIN, Regayip ZEHİR; İstanbul, Yalova, Türkiye

393 Estimation of the Median Effective Dose of Propofol for Colonoscope Advancement to the Rectosigmoid Junction in Geriatric Patients: A Prospective Dose-finding Study

Bedirhan GÜNEL, Ayşe ŞENCAN; Kocaeli, Sakarya, Türkiye

401 Prognostic Value of Admission Red Cell Distribution Width and Mean Platelet Volume in Pediatric Sepsis and Septic Shock: Comparison with CRP, Procalcitonin, Lactate, PRISM IV and pSOFA

Ferhat SARI, Gökhan CEYLAN, Özlem SARAÇ, Gülhan ATAKUL, Ekin SOYDAN, Hasan AĞIN; İstanbul, İzmir, Aydın, Türkiye; Bonaduz, Switzerland

Case Report

410 Radiologically Presumed Needle-tract Seeding After Radiofrequency Ablation for Hepatocellular Carcinoma: A Case Report

Hacer KUNDAKCIOĞLU, Hüseyin TOPRAK, Adem AKÇAKAYA; Kahramanmaraş, İstanbul, Türkiye

Review

415 Physiotherapy for Pelvic Dysfunction: A Comprehensive Review

Özge BAYKAN ÇOPUROĞLU, Betül ERGÜN; Kayseri, Elazığ, Türkiye

Index

2026 Reviewer Index