1. Cytokines — major molecular messengers orchestrate between inflammation and cancer
2. Determination of minimum serum concentration to develop scaffold-free micro-tissue
3. The effect of Arnebia purpurea extract on the survival of random pattern skin flaps in rats
4. Effectiveness of trosinium chloride and doxazosin mesylate combination in neurogenic bladder patients with spinal cord injury
5. Open tibial pilon fractures: treatment with ankle-spanning Ilizarov fixator
6. Intradiscal electrothermal therapy for chronic discogenic low back pain: a comparison of two healing protocols
7. The incidence of musculoskeletal system occupational diseases among tuberculosis laboratory workers
8. Surgical interventions for autogenous arteriovenous fistula aneurysms in hemodialysis patients
9. Can decrease in hand grip strength in carpal tunnel syndrome be explained by interosseous muscle and intermetacarpal space dimensions?
10. Is group diabetes education effective on hemoglobin A1c level?
11. Dental students’ perceptions on preclinical restorative dentistry course: Bishnu University case
12. Correlation between metabolic syndrome disorder and circadian rhythm of physically disabled individuals

13. Clinical presentation of tuberculosis: a nine-year single-center experience
14. Synchronous and antecedent malignancies in patients with papillary thyroid carcinoma
15. Is anemia in children with sleep disordered breathing actually a consequence of chronic disease?
16. Primary cardiac B-cell lymphoma
17. Neutrogenic enterocolitis and colonic perforation in a patient with breast carcinoma treated with taxane-based chemotherapy: a case report and review of the literature
18. Biceps tendons rupture diagnosed by physical examination and ultrasonography in the emergency department
19. Low-grade fibromyxoid sarcoma: a rare condition with high proliferation
20. Peripartum type A dissection: a case report
21. Re-expansion pulmonary edema after pleurocen catheterization: a case report
22. Colleovascocystic trunk: a rare case
23. Quadriceps tendon rupture associated with anabolic steroids and growth hormone: a case report
24. Refractory status epilepticus responding to lidocaine: a case report
25. Charcot neuroarthropathy of the hand in a diabetic patient after upper extremity trauma
26. A rare complication related to H1N1 infection: Dilated cardiomyopathy

The Association of Health Research & Strategy 1 www.eurj.org
Copyright © 2018
The European Research Journal

Focus and Scope

The European Research Journal (EuRJ) is an international, independent, peer reviewed, open access and online publishing journal, which aims to publish papers on all the related areas of basic and clinical medicine. Manuscripts must describe original data that has not been published previously nor submitted for publication elsewhere. Manuscripts that adhere to the EuRJ submission guidelines and are deemed appropriate for the scope of the journal are sent to two reviewers who are specialists in the field. The reviewers’ comments are then considered by the members of the EuRJ Executive Editorial Board who discuss the suitability of each submission. The final decision for all submitted manuscripts rests with the Editor-in-Chief.

The journal publishes in the field of original research, case report, reviews and letters to the editor are published only in English.

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 is published three times in a year (March, July and November). No fee is required for publishing the manuscript. No copyright fee is paid to the authors. All articles are detected for similarity.

Journal Contact/ Principal Contact

Mailing Address: The European Research Journal (EuRJ)
The Association of Health Research & Strategy
Kırcaali Mh. Fevziçakmak Cd. Göktaş İş Mrk. Kat:3 No:62/12
Osmangazi/BURSA-TURKEY

Phone: +90(224) 2734545
Email: info@eurj.org

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

http://www.eurj.org/
http://dergipark.ulakbim.gov.tr/eurj/index

e-ISSN: 2149-3189

The European Research Journal by http://dergipark.ulakbim.gov.tr/eurj is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License.
Ahmet KIZILAY, MD
Professor, İnönü University School of Medicine, Department of Otorhinolaryngology, Malatya, Turkey

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

Armen Yuri GASPARYAN, MD
Associate Professor, University of Birmingham, Department of Medicine, Birmingham, UK

Ayse TOPCU AKDUMAN, MD
Atatürk State Hospital, Department of Obstetrics & Gynecology, Düzce, Turkey

Aron Frederik POPOV, MD
Professor, University of Frankfurt, Department of Cardiothoracic Surgery, Frankfurt, Germany

Basar CANDER, MD
Professor, Necmettin Erbakan University School of Medicine, Department of Emergency Medicine, Konya, Turkey

Canan CELIK, MD
Professor, Aristotle University of Thessaloniki, Department of General Surgery & Transplantation, Thessaloniki, Greece

Cristina Florescu, MD
Associate Professor, University of Craiova, Department of Medicine & Pharmacy, Romania

Cuma Bulent GUL, MD
Associate Professor, University of Health Sciences, Bursa Yüksek İhtisas Training & Research Hospital, Department of Nephrology & Transplantation, Bursa, Turkey

Demet CANSARAN DUMAN, PhD
Associate Professor, Ankara University, Department of Biology, Ankara, Turkey

Dimitrios GAKIS, MD
Professor, Aristotle University of Thessaloniki, Department of General Surgery & Transplantation, Thessaloniki, Greece

Elif Ekinci, MD
MBBS, FRACP, PhD, University of Melbourne, Department of Medicine, Melbourne, Australia

Emel YILMAZ, MD
Professor, Uludag University School of Medicine, Department of Infectious Disease, Bursa, Turkey

Emin USTUNYURT, MD
Associate Professor, University of Health Sciences, Bursa Yüksek İhtisas Training & Research Hospital, Department of Obstetrics & Gynecology, Bursa, Turkey

Ender GUCLU, MD
Professor, Medipol University School of Medicine, Department of Otorhinolaryngology, İstanbul, Turkey

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

Gülşen KOFRALI, MD
Professor, University of Health Sciences, Bursa Yüksek İhtisas Training & Research Hospital, Department of Anesthesiology & Reanimation, Bursa, Turkey

Hasan ARI, MD,
Associate Professor, University of Health Sciences, Bursa Yüksek İhtisas Training & Research Hospital, Department of Cardiology, Bursa, Turkey

Ibrahim TAYMUR, MD,
Associate Professor, University of Health Sciences, Bursa Yüksek İhtisas Training and Research Hospital, Department of Psychiatry, Bursa, Turkey

Jelena KORNEJ, MD
University of Leipzig School of Medicine, Department of Cardiology, Leipzig, Germany

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 Yüksek İhtisas Training and Research Hospital, Department of Rheumatology, Bursa, Turkey

Kyung-Kuk HWANG, MD
Associate Professor, Chungbuk National University School of Medicine, Department of Cardiology, Chungbuk, South Korea

Lora LANGSETMO, PhD
Senior Research Associate, University of Minnesota, School of Public Health, Minnesota, United States

Metin GUCLU, MD
Associate Professor, University of Health Sciences, Bursa Yüksek İhtisas Training & Research Hospital, Department of Endocrinology & Metabolism, Bursa, Turkey

Mohammad Rafiq KHANANI, MD, PhD
Professor, Dow University of Health Sciences, Department of Pathology & Microbiology, Pakistan

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

Nagihan SADAY DUMAN, MD
Child Psychiatry, Ankara, Turkey

Nazmi ZENGIN, MD
Professor, Necmettin Erbakan University School of Medicine, Department of Ophthalmology, Konya, Turkey

Nesrin COBANOGLU, MD
Professor, Gazi University School of Medicine, Department of Medical Ethics and History, Ankara, Turkey

Omer Fatih OLMEN, MD
Associate Professor, Medipol University School of Medicine, Department of Medical Oncology, Istanbul, Turkey

Omer YALCIN, MD
Associate Professor, University of Health Sciences, Bursa Yüksek İhtisas Training & Research Hospital, Department of Pathology, Bursa, Turkey

Ozkan KANAT, MD,
Professor, Uludag University School of Medicine, Department of Medical Oncology, Bursa, Turkey
Safa KAPICIIOGLU, MD
Professor, Yildirim Bayezid University School of Medicine, Department of Orthopedics & Traumatology, Ankara, 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

Yasin TEMEL, MD, PhD
Professor, Maastricht University School of Medicine, Department of Neurosurgery, Maastricht, Netherlands

Yenal DUNDAR, MD
University of Liverpool School of Medicine, Department of Psychiatry, Liverpool, UK

Yüksel ÖZKAN, MD
Professor, University of Health Sciences, Bursa Yuksek Ihtisas Training & Research Hospital, Department of Orthopedics & Traumatology, Bursa, Turkey
# Table of Contents

## Reviews

Cytokines – major molecular messengers orchestrate between inflammation and cancer  
*Shrihari T.G*  
140-144

## Original Articles

Determination of minimum serum concentration to develop scaffold free micro-tissue  
*Ozan Karaman, Ziyşan Buse Yaralı*  
145-151

The effect of Arnebia purpurea extract on the survival of random pattern skin flaps in rats  
*Erkan Orhan, Merve Yüzbaşıoğlu, Yağmur Reyyun Erol, Erem Bilensay, Nazlı Erdoğan, Lütfiye Ömür Demirezer, Ayşe Kuruüzüm-Uz*  
152-156

Effectiveness of trospium chloride and doxazosin mesylate combination in neurogenic bladder patients with spinal cord injury  
*Fazıl Kulaklı, Kurtuluş Köklü, Murat Ersöz, Zuhal Özışler, Canan Çulha, Sumru Özel*  
157-161

Open tibial pilon fractures: treatment with ankle-spanning Ilizarov fixator  
*Ercan Şahin, Mahmut Kalem*  
162-167

Intradiscal electrothermal therapy for chronic discogenic low back pain: a comparison of two heating protocols  
*Korgün Ökmen, Burcu Metin Ökmen*  
168-173

The incidence of musculoskeletal system occupational diseases among tuberculosis laboratory workers  
*Tuğba Gül, Serdar Savaş Gül*  
174-179

Surgical interventions for autogenous arteriovenous fistula aneurysms in hemodialysis patients  
*Kadir Kaan Özzin, Umut Serhat Sanrı, Nail Kahraman, Faruk Toktaş, Şenol Yavuz*  
180-186

Can decrease in hand grip strength in carpal tunnel syndrome be explained by interosseous muscle and intermetacarpal space dimensions?  
*Fatma Dilek Gökharman, Selma Uysal Ramadan, Sonay Aydın, Pınar Nercis Koşar*  
187-192

Is group diabetes education effective on hemoglobin A1c level?  
*Güven Barış Cansu, Bengür Taşkıran, Göknur Yorulmaz, Hülya Doğan, Cevahir Dinçtürk*  
193-198

Dental students’ perceptions on preclinical restorative dentistry course: Biruni University case  
*Muhammet Kerim Ayar*  
199-204

Correlation between metabolic syndrome disorder and circadian rhythm of physically disabled individuals  
*Müge Arslan*  
205-210

Clinical presentation of tuberculosis: a nine-year single-center experience  
*Ahmet Cemal Pazarlı, Timur Ekiz, Mehmet Akif Abakay*  
211-214

Synchronous and antecedent malignancies in patients with papillary thyroid carcinoma  
*Mehmet Çelik, Buke Artemiz Bülbül, Semra Aytürk, Ahmet Küçükçuk, Ebru Taştekin, Nuray Can, Funda Üstün, Yavuz Atakan Sezer, Sibel Gülük*  
215-219

Is anemia in children with sleep disordered breathing actually a consequence of chronic disease?  
*Fatih Alper Akcan, Yusuf Dündar, Hümeyra Bayram Akcan, Ahmet Uluat, Derya Cebeci, Mehmet Ali Sungur*  
220-226
Case Report

Primary cardiac B-cell lymphoma
Alper Karakuş, Hasan Arı, Selma Arı, Sencer Çamcı, Ahmet Tütüncü
227-230

Neutropenic enterocolitis and colonic perforation in a patient with breast carcinoma treated with taxane-based chemotherapy: a case report and review of the literature
Aslıhan Demirel, Selçuk Kılıtir, Gürkan Geceer, Safiye Koçulu, Esin Çevik
231-234

Biceps tendon rupture diagnosed by physical examination and ultrasonography in the emergency department
Betül Tiryaki Baştığı, Berkay Subaşı, Pakize Gözde Gök, Kübra Parpucu, Eşref Genç
235-237

Low-grade fibromyxoid sarcoma: a rare condition with high proliferation
Marzieh Karimi Khezri, M. Özgür Taşkapılıoğlu, Alper Türkkan, Ulviye Yalçınkaya, Ahmet Bekar
238-241

Peripartum type A dissection: a case report
Umut Serhat Sanrı, Kadir Kaan Özsin, Faruk Toktaş, Şenol Yavuz
242-244

Re-expansion pulmonary edema after pleurocan catheterization: a case report
İbrahim Mungan, Hayriye Cankar Dal, Derya Tatlısuğlu Ademoğlu, Büşra Tezcan, Sema Turan
245-247

Celiacomesenteric trunk: a rare case
Cihat Tek, Sonay Aydın, Elif Ergün, Pınar Nercis Koşar
248-250

Quadriceps tendon rupture associated with anabolic steroids and growth hormone: a case report
Engin Özakın, Cüneyt Çalışır, Muhammed Evvah Karakılıç, Nurdan Acar
251-253

Refractory status epilepticus responding to lidocaine: a case report
Gökhan Özer
254-257

Charcot neuroarthropathy of the hand in a diabetic patient after upper extremity trauma
Fazıl Kulağlı, Canan Çulha, Seval Akdemir
258-261

A rare complication related to H1N1 infection: Dilated cardiomyopathy
Mehmet Türe, Ayfer Gözü Pirinççioğlu, Alper Akin, Hasan Balık, Seçkin İltar, Sercan Yücel Yanmaz
262-265