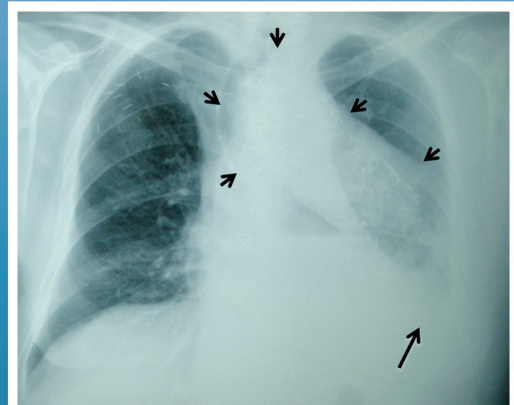


Journal of Experimental and Clinical Medicine



p-ISSN 1309-4483
e-ISSN 1309-5129



JECM-DKTD
<http://jecm.omu.edu.tr>

Vol: 31

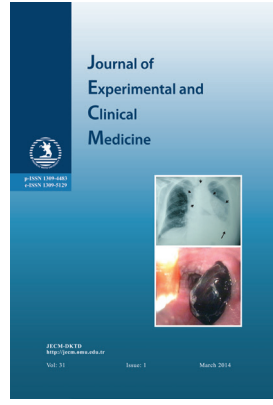
Issue: 1

March 2014



Journal of Experimental and Clinical Medicine

p-ISSN 1309-4483
e-ISSN 1309-5129



p-ISSN 1309-4483

e-ISSN 1309-5129

Owner

On Behalf of Ondokuz Mayıs University
Hüseyin AKAN

Director in Charge

A. Haydar ŞAHİNOĞLU

Secretarial Staff

Işınsu AYDIN
Burcu DELİBAŞ
Sümeyye GÜMÜŞ
Sefa Ersan KAYA
Elfide Gizem KIVRAK
Gülay YILDIZ
Kıymet Kübra YURT

Graphic Designer

Hamdi TANRIKULU

Publisher Administration Office

Ondokuz Mayıs Üniversitesi
Tıp Fakültesi
Kurupelit /Samsun, Turkey

Publish Type

Periodical

Press

HT MATBAA
Hamdi TANRIKULU
Hançerli Mah. Atatürk Bulvarı No:112/A İlkadım / SAMSUN
www.htmatbaa.com

Press Date

09.06.2014

Scientific and legal responsibility of the papers that are published in the journal belong to the authors.

Acid-free paper is used in this journal.

Indexed: CEPIEC, Crossref, DOAJ, EMBASE, EBSCOhost, Google Scholar, Index Copernicus, J-Gate, NLM Catalog (PubMed), Scopus, Türkiye Citation Index, World Cat.

Cover Art

Ayyıldız et al., Page 52; Figures 1, 2

EDITORS

A. Haydar Şahinoğlu, MD
Department of Anaesthesiology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Süleyman Kaplan, PhD
Department of Histology and Embryology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

ASSOCIATED EDITORS

H. Ufuk Akdemir, MD
Department of Emergency Medicine,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

B. Zühal Altunkaynak, PhD
Department of Histology and Embryology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

M. Hulusi Atmaca, MD
Department of Endocrinology and Metabolism
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Bahattin Avcı, MD
Department of Biochemistry,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Dursun Aygün, MD
Department of Neurology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Mustafa Ayyıldız, PhD
Department of Physiology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Ramazan Bal, PhD
Department of Physiology,
Medical Faculty,
Firat University,
Elazığ, Turkey

Yasemin Bilgin Büyükkarabacak, MD
Department of Thoracic Surgery, Medical
Faculty, Ondokuz Mayıs University,
Samsun, Turkey

M. Cihan Bereket, PhD
Department of Oral and Maxillofacial
Surgery, Faculty of Dentistry,
Ondokuz Mayıs University,
Samsun, Turkey

Ali Cansu, MD
Department of Pediatric Neurology,
Medical Faculty,
Karadeniz Technical University,
Trabzon, Turkey

M. Ali Cengiz, PhD
Department of Statistics,
Arts and Science,
Ondokuz Mayıs University,
Samsun, Turkey

Ramis Çolak, MD
Department of Histology and Embryology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Latif Duran, MD
Department of Emergency Medicine,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Murat Erdoğan, PhD
Department of Orthopedics and
Traumatology, S.B. Samsun Education and
Research Hospital,
Samsun, Turkey

Amani Elfaki, PhD
Department of Anatomy
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

İnci Güngör, MD
Department of Ophthalmology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Aydın Him, PhD
Department of Biophysics,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Akan Karakuş, MD
Department of Forensic Medicine,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Emel Kurtoğlu, MD
Department of Obstetrics and Gynecology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Murat Meriç, MD
Department of Cardiology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Mustafa Nazıroğlu, PhD
Department of Biophysics,
Medical Faculty,
Suleyman Demirel University,
Isparta, Turkey

Ersan Odacı, MD, PhD
Department of Histology and Embryology,
Medical Faculty,
Karadeniz Technical University,
Trabzon, Turkey

Gürkan Öztürk, MD, PhD
Department of Physiology,
Medical Faculty,
Medipol University,
Istanbul, Turkey

Ferhat Say, MD
Department of Orthopedics and
Traumatology, S.B. Samsun Education and
Research Hospital,
Samsun, Turkey

A. Tevfik Sünter, MD
Department of Public Health,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

İsmail Şener, PhD
Department of Oral and Maxillofacial
Surgery, Faculty of Dentistry,
Ondokuz Mayıs University,
Samsun, Turkey

Celal Tekinbas, MD
Department of Thoracic Surgery,
Medical Faculty,
Karadeniz Technical University,
Trabzon, Turkey

Murat Terzi, MD
Department of Neurology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Yasin Temel, MD, PhD
Department of Neurosurgery,
Medical Faculty,
Maastricht University,
Maastricht, The Netherlands

Mustafa Ünal, MD
Department of Family Medicine,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

Mehmet Yıldırım, PhD
Department of Physiology
Medical Faculty,
Karadeniz Technical University,
Trabzon, Turkey

Murat Yüce, MD
Department of Child and Adolescent
Mental Health and Disease, Medical
Faculty, Ondokuz Mayıs University,
Samsun, Turkey

Serkan Yüksel, MD
Department of Cardiology,
Medical Faculty,
Ondokuz Mayıs University,
Samsun, Turkey

SECTION EDITORS

Basic Medical Sciences Editors

Abdülkerim Bedir, MD
Ahmet Uzun, PhD
Cafer Marangoz, PhD
Erdal Açar, PhD
Eyüp Altunkaynak, MD
Faruk Bağırıcı, MD
Hüseyin Aslan, MD
Murat Günaydın, MD
Orhan Baş, PhD
Ömer Tontuş, MD
Sinan Canan, PhD
Yüksel Bek, PhD

Internal Medical Sciences Editors

Alişan Yıldırım, MD
Ayhan Dağdemir, MD
Ayhan Gazi Kalaycı, MD
Hakan Leblebicioğlu, MD
Halit Zengin, MD
Levent Altıntop, MD
Meftun Ünsal, MD
Mustafa Bekir Selçuk, MD
Mustafa Sünbül, MD
Ömer Kuru, MD
Özcan Yılmaz, MD
Sırrı Bilge, MD
Şennur Dabak, MD
Yüksel Kesim, PhD

Surgery Medical Sciences Editors

Ahmet Başoğlu, MD
Cafer Polat, MD
Hakkı Birinci, MD
Kenan Erzurumlu, MD
Lütfi Eroğlu, MD
Mahmut Başoğlu, MD
Nedim Karaismailoğlu, MD
Rıza Rızalar, MD

INTERNATIONAL ADVISORY BOARD

Abdu Adem, MD
Emirates University, Dubai, United Arab Emirates

Abdulmonem Al-Hayani, MD, PhD
King Abdul Aziz University, Jeddah, Saudi Arabia

Christopher S. von Bartheld, MD, PhD
University of Nevada, Reno, USA

Mustafa Baskaya, MD
Wisconsin University, Wisconsin, USA

Abdelhamid Benazzouz, PhD
National Centre for Scientific Research, Bordeaux, France

Hagai Bergman, MD, PhD
The Hebrew University, Hadassah Medical Faculty, Jerusalem, Israel

Robert F. Berman, PhD
University of California, Davis, USA

Timothy R. Billiar, MD
University of Pittsburgh, ABD

Arjan Blokland, PhD
Maastricht University, Maastricht, The Netherlands

Michel Desarmenien, PhD
Insitut de Génomique Foncionelle, France

Cem Ekmekcioglu, MD
Medical University Vienna, Austria

Ahmed Ezzat, PhD
South Valley University, Egypt

Mohammed Farahna Mohamed Manafal, MD, PhD
Qassim University, Buraydah Kingdom of Saudi Arabia

Gemma Fiegtree, PhD
University of Sydney, Sydney, Australia

Adamantia F. Fragopoulou, PhD
University of Athens, Athens, Greece

Stefano Geuna, MD, PhD
University of Turin, Italy

Yuji Handa, MD, PhD
Department of Neurosurgery, Fukui Medical University, Fukui, Japan

Abdul Sattar Khan, MD
Ataturk University, Erzurum, Turkey

Maulilio J. Kipanyula, MD
Sokoine University of Agriculture, Chuo Kikuu, Morogoro, Tanzania.

Lars Klimaschewski, MD
Medizinische Universität, Innsbruck, Avusturya

Toshihiko Kubota, MD
Fukui Medical University, Fukui, Japan

Sandra J. Kelly, PhD
University of South Carolina, South Carolina, USA

Lee Wei Lim, MD, PhD
Maastricht University, Maastricht, The Netherlands

Fabio Marra, MD, PhD
University of Florence, Florence, Italy

Micheal Mazonakis, PhD
Crete University, Crete, Greece

Marie Mofteh, PhD
Alexandria University, Alexandria, Egypt

Ana Beatriz Rodríguez Moratinos, MD, PhD
Extramadura University, Badajoz, Spain

Yasuo Mori, PhD
Kyoto University, Kyoto, Japan

Jens R. Nyengaard, MD
Stereological Research Laboratory, Fivos

Panetsos, PhD
Universidad Complutense de Madris, Madrid, Spain

José A. Pariente, PhD
University Extremadura, Badajoz, Spain

Geoffrey Raisman, MD
University College London, London, UK

Russel J. Reiter, PhD
University of Texas, San Antonio, USA

Neil Robert, PhD
Edinburg University, Edinburg, UK

Gail Rosseau, MD
Rush University, Chicago, USA

Annie J. Sasco, MD
Universite Victor Segalen Bordeaux 2, Bordeaux, France

Saeed Semnanian, MD, PhD
Tarbiat Modares University, Tehran, Iran

Trevor Sharp, PhD
Oxford University, Oxford, United Kingdom

Harry W. M. Steinbusch, MD
Maastricht University, Netherlands

Camilla I. Svensson, MD, PhD
Karalinska Institute, Stockholm, Sweden

Pankaj Kumar Singh, PhD
Experimental Radiation Oncology University of Texas, Houston, TX, USA

Claudio Tiribelli, MD, PhD
Università di Trieste, Triesta, Italy

Aymen Ahmed Warille, PhD
University of Ha'il, Hail Saudi Arabia

Kamaruddin Mohd Yusoff, PhD
Canik Başarı University, Samsun, Turkey

NATIONAL ADVISORY BOARD

Ahmet Baydın, MD
Ahmet Demir, MD
Ahmet Deniz Meydan, MD
Ayşe Canan Yazıcı, PhD
Ayşen Taslak Şengül, MD
Cengiz Bayçu, PhD
Çetin Çelenk, MD
Davut Albayrak, MD
Deniz Özbek Okumuş, MD
Engin Yenilmez, PhD
Erdal Karagöz, PhD
Hakkı Dalçık, PhD
Hasan Tahsin Keçeligil, MD
Hüseyin Şahin, MD
İbrahim Tekdemir, MD, PhD
İhsan Öge, MD
İdris Yücel, MD
Levent Yıldız, MD
Mahmut Şahin, MD
Mehmet Akif Büyükbese, MD
Mehmet Çetinkaya, MD
Mehmet Kurt, MD
Mehmet Koyuncu, MD
Nurten Kara, PhD
Nurol Arık, MD
Oğuz Uzun, MD
Ömer Akyol, MD, PhD
Ranan Gülhan Aktaş, MD
Ramazan Amanvermez, PhD
Sinan Atmaca, MD
Şaban Esen, MD
Tayfun Alper, MD
Tekin Akpolat, MD
Tekin Şimşek, MD
Ümit Beden, MD
Yüksel Stüllü, MD

CONTENTS	Page
Review	
<i>Examinations and curriculum in medical education and learning-assessment relations</i>	1
<i>R. Yavuz, H. Ö. Tontuş</i>	
<i>What is new in hypertension guidelines?</i>	7
<i>M. Meric</i>	
Clinical Research	
<i>Nutritional habits and obesity: Students of primary school in Sinop, the northeast point of Turkey</i>	13
<i>H.D. Cabar, G.S. Özeren, B. Altay</i>	
<i>Long-term effects of pentoxifylline in heart failure therapy</i>	19
<i>A. Karagöz, Ö. Uçar, A. Yüksel, S. Aydoğdu</i>	
<i>A new review of seizure types in psychogenic non-epileptic status</i>	25
<i>İ. Bora, A.B. Demir</i>	
<i>Anti-John Cunningham Virus antibody prevalence in multiple sclerosis patients in Turkey</i>	31
<i>M. Eraksoy, K. Agan, F. Ak, O. Anlar, B.P. Balci, C. Boz, Y. Celik, S. Demirkaya, H. Efendi, M. Gedizlioglu, D. Gunal, H. Aydin Gungor, N. Isik, E. Idiman, R. Karabudak, A. Kurne, M. Neyal, S. Ozakbas, O. Ekmekci Ozbay, C. Ozcan, N. Subutay Oztekinr, M. Oztur, S. Saip, A. Siva, A. Soysal, O. Taskapilioglu, M. Terzi, O.F. Turani, R. Turkoglu, N. Yucemen, C. Yucesan, A.N Yuceyar, Y. Zorlu, C. Ulku, H. Dib, D. Uren</i>	
<i>Evaluation of the combined treatment with cisplatin and melatonin on neuroblastoma cell viability and antioxidant capacity</i>	37
<i>A. Kara, A. Yücel, N. Yücel, H. Özcan, J. Selli, D. Ünal</i>	
Experimental Research	
<i>Behavioural responses in rats; modulation with beta-lactam antibiotics and antioxidants</i>	43
<i>E. Şavlı</i>	
Case Report	
<i>A rare upper gastrointestinal system bleeding case: Aorto-esophageal fistula</i>	51
<i>T. Ayyıldız, Ö. F. Nas, Ç. Yıldırım, E. Dolar, S. Gürel</i>	
<i>Thyrotropin-secreting pituitary macroadenoma presented with pulmonary embolism</i>	55
<i>E. K. Kan, G. C. Ecemiş, Ç. T. Bahadır, H. Atmaca, N. Köksal, A. Atmaca</i>	
<i>Late diagnosis of trans-scaphoid perilunate dislocation: A case report</i>	59
<i>A. Çıraklı, S. N. Kuyubaşı, E. Ç. Zengin, M. Altuntaş, A. Pişkin</i>	
<i>An important topic in medical education: Multidisciplinary approach to a sexual assault case in emergency clinic</i>	63
<i>A. Güzel, A. Karakuş, M. Yüce, N. Aşlıoğlu, B. K. Karaca, B. Şişman</i>	