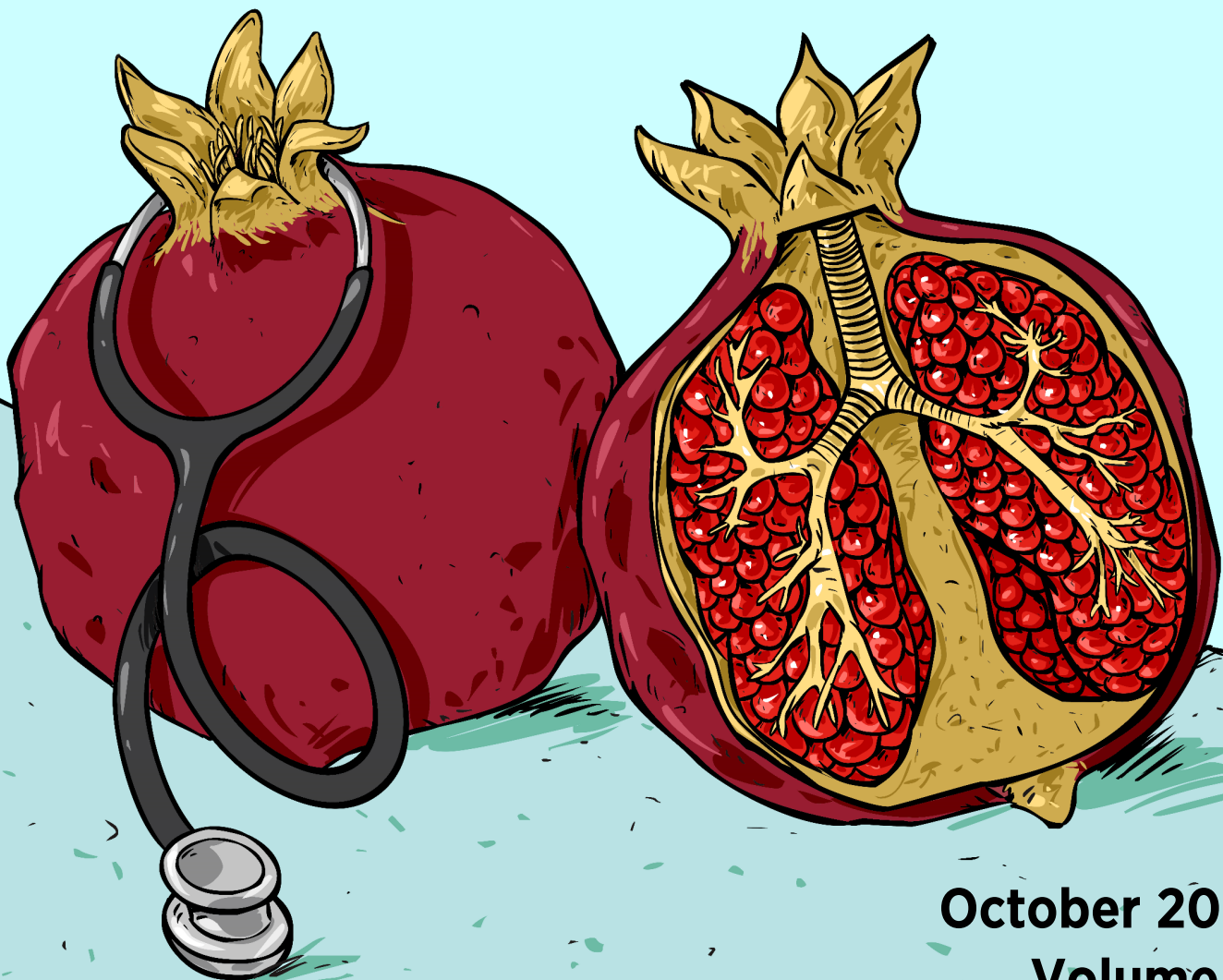


ISSN: 2516-3507

ELECTRONIC JOURNAL OF GENERAL MEDICINE



**October 2024
Volume 21
Issue 5**

Published by: **Modestum**

Publication Office: Modestum LTD, 29 Gildredge Road, Eastbourne, East Sussex, BN21 4RU, United Kingdom

Serbia Office: Modestum DOO, Bulevar Zorana Đinđića 125D, sprat 1, stan 12C, 11070 Belgrade, SERBIA

Phone: +381 61 6600107

Email: publications@modestum.co.uk

Publisher: <https://www.modestum.co.uk>

Journal Web: <https://www.ejgm.co.uk>

© 2004-2024. All rights reserved by Modestum. Copyright for Open Access Content is Retained by Authors. Also, authors continue to hold the copyrights of their own papers by acknowledging that their papers are originally published in the Electronic Journal of General Medicine. Hence, articles published are licensed under a "Creative Commons Attribution 4.0 International License."

ISSN: 2516-3507 (Online)

ELECTRONIC JOURNAL OF GENERAL MEDICINE

October 2024

Volume 21

Issue 5



This page is intentionally left blank

ELECTRONIC JOURNAL OF GENERAL MEDICINE

Electronic Journal of General Medicine (*Abbrev. Electron J Gen Med*) is an English multidisciplinary double-blind peer-reviewed open-access medical journal publishing articles in the fields of general medicine with ISSN 2516-3507. **Electronic Journal of General Medicine** is published bimonthly (February, April, June, August, October and December).

Electronic Journal of General Medicine encourages submissions from all authors throughout the world. Manuscripts are judged by two experts solely on the basis of their contribution of original data, ideas and their presentation. All manuscripts must comply with Manuscript Preparation Guidelines and Publication Ethics. The following articles will be considered for publication: editorials, original and review articles, brief reports/short communications, case reports, letters to the editor, interviews, and book reviews. Submitted manuscripts must not have been published, accepted for publication or be under consideration elsewhere.

COPYRIGHT & LICENSING

Articles are published under the [Creative Commons Attribution License](#). Authors do not have to transfer copyright to the journal or publisher and retain ownership of their articles. They grant **Modestum** the license to publish the work as the original publisher.

Authors are not allowed to use copyrighted material in their articles unless explicit permission from the copyright holder is received to reproduce the material under [Creative Commons Attribution License](#). Authors or their institution/company cannot reserve particular use rights, and the publisher cannot insert a declaration in any published document stating, "all rights reserved."

As a result, everyone is free to use, copy, distribute, transmit, and adapt the work, if the article's original authors and citation information are acknowledged.

AIMS AND SCOPE

Electronic Journal of General Medicine publishes original articles in the following areas:

Basic Sciences

- Anatomy
- Biophysics
- Biostatistics
- Physiology
- Histology and Embryology
- Medical Biochemistry
- Medical Biology
- Biostatistics
- Medical Education and Informatics
- Medical Microbiology
- Medical History and Ethics

Medical Sciences

- Cardiology
- Chest Diseases
- Emergency Medicine
- Family Medicine
- Forensic Medicine
- Infectious Diseases and Clinical Microbiology
- Internal Medicine
- Medical Genetics
- Medical Pharmacology
- Neurology
- Nuclear Medicine Pediatrics
- Public Health
- Radiation Oncology
- Radiology
- Sports Medicine
- Child and Adolescent Psychiatry
- Dermatology
- Physical Medicine and Rehabilitation
- Psychiatry

Surgical Sciences

- Anesthesiology and Reanimation
- Pediatric Surgery
- General Surgery
- Chest Surgery
- Cardiovascular and Thoracic
- Ophthalmology
- Obstetrics and Gynecology
- Otorhinolaryngology
- Neurosurgery
- Orthopedics and Traumatology
- Medical Pathology
- Plastic Reconstructive and Aesthetic Surgery
- Urology

INDEXING AND ABSTRACTING

Electronic Journal of General Medicine is indexed and/or abstracted in:

- Web of Science – Emerging Sources Citation Index (ESCI)
- Scopus
- ROAD
- CINAHL
- EBSCO-Academic Research Complete
- EBSCO-Academic Research Alumni Edition
- EMBASE
- CAB Abstracts
- Library Ru
- Bioline International
- Scilit
- Chemical Abstracts Service
- Academic Search Complete
- CrossRef
- Google Scholar

All articles are archived by:

- The British Library
- Portico

EDITORIAL BOARD

Editors

Abduzhappar Gaipov, Nazarbayev University, School of Medicine, Nur-Sultan, Kazakhstan

Marcos Roberto Tovani-Palone, University of São Paulo, Ribeirão Preto, SP, Brazil

Ruben Blachman-Braun, Desai Sethi Urology Institute, University of Miami Miller School of Medicine, Miami, FL, USA

Shantanu Solanki, Trinitas Regional Medical Center, NJ, USA

Associate Editors

Alin Laurentiu Tatu, Clinical Medical Department, Dunarea de Jos University of Galati, Romania

Davor Štimac, Department of Gastroenterology, Clinical Hospital Centre Rijeka, University of Rijeka, Croatia

Kristiyan Georgiev, University Hospital for Multidisciplinary Active Treatment "Sveta Marina" Varna, Bulgaria & Department of Neurological Ohio, of Neurological diseases and Neurosciences, Medical University of Varna, Bulgaria

Namrata Singhania, Department of Hospital Medicine, Mount Carmel East Hospital, Columbus, Ohio, USA & Family Medicine, Ohio University Heritage College of Osteopathic Medicine, Athens, Ohio, USA

Olivera M Knežević, Faculty of Sport and Physical Education, University of Belgrade, Serbia

Editorial Board Members

Abdulgaki "Baki" Agbas, Department of Basic Sciences, College of Osteopathic Medicine, Kansas City University of Medicine and Biosciences, USA

Adi Pinkas, Department of Pathology, Albert Einstein College of Medicine, USA

Ahmed El-Nawawy, Pediatrics & Pediatric Critical Care, Alexandria University, Egypt

Ahmed Abushahin, Pediatric Pulmonology, Sidra Medicine, Doha, Qatar

Aleksa Igić, Department of Interventional Radiology, University Clinical Center of Serbia, Belgrade, Serbia

Alfio Ferlito, Department of Surgical Sciences, School of Medicine, University of Udine, Italy

Ali Mohammad Ibrahim Al-Radaideh, Department of Medical Imaging, Faculty of Applied Health Sciences, The Hashemite University, Jordan

Bhagath Kumar Potu, Department of Anatomy, Arabian Gulf University, Kingdom of Bahrain

Bilal Lashari, Pulmonary and Critical Care Medicine, Temple University Hospital, Philadelphia, USA

Birnur Yilmaz, Department of Radiology, Okan University Hospital, Turkey

BMDB Basnayake, Nephrology and Transplant Unit, National Hospital Kandy, Sri Lanka

Branka Marković, Department of Anatomy, Faculty of Sports and Physical Education, University of Belgrade, Belgrade, Serbia

Cheng-Wei Liu, Department of Internal Medicine, Tri-Service General Hospital Songshan Branch, National Defense Medical Center, Taipei, Taiwan & Graduate Institute of Clinical Medicine, College of Medicine, National Taiwan University, Taipei, Taiwan

Chinna Nneka Orish, Department of Anatomy, College of Health Sciences, University of Port Harcourt, Nigeria

Dagmar Eigner, Medical Anthropology, Medical University of Vienna, Austria

David W. Holt, Bioanalytics, St George's University of London, UK

Dejan Marković, Department of Pediatric and Preventive Dentistry, School of Dental Medicine, University of Belgrade, Serbia

Demian Arturo Herrera Morban, Hospital Infantil Dr Robert Reid Cabral, Dominican Republic

Eliane Trovatti, School of Biotechnology in Regenerative Medicine and Medicinal Chemistry, University of Araraquara (UNIARA), Brazil

Erwin Hernando Hernández Rincón, Department of Family Medicine and Public Health, Universidad de La Sabana, Spain

Gabriela Sanchez-Petitto, Department of Stem Cell Transplant and Cellular Therapy, The University of Texas M.D. Anderson Cancer Center, USA

George P. Patrinos, Department of Pharmacy, University of Patras, Greece

Georgia Gioula, Medical Microbiology, Aristotle University of Thessaloniki, Greece

Gerard Criner, Thoracic Medicine and Surgery, Lewis Katz School of Medicine at Temple University, USA & Temple Lung Center, USA

Gernot Schulte-Altdorneburg, Department of Neuroradiology, University of Munich, Germany

Gianluigi Bisleri, Cardiac Surgery, The KGH Research Institute (KGRI) & Queen's University, Canada

Giovanni Improta, Department of Public Health, University of Naples "Federico II", Italy

Gregory G. Homish, Department of Community Health and Health Behavior, University of Buffalo, USA

Harunor Rashid, Specialty of Child and Adolescent Health, The University of Sydney, Australia

Hyeon Ju Kim, Department of Family Medicine, Jeju National University, Republic of Korea

Jagoš Golubović, Clinic of Neurosurgery, University of Novi Sad, Serbia

Joe James, Department of Neurology, Government Medical College Kozhikode, India

Jovana Rosić, Department of Genetics & Evolution, Faculty of Medicine, University of Belgrade, Serbia

Khodabakhsh Javanshir, Department of Physiotherapy, Babol University of Medical Sciences, Iran

Magdalena Lachowska, Department of Otorhinolaryngology, Medical University of Warsaw, Poland

Makram Koubaa, Department of Infectious Diseases, Hedi Chaker University Hospital, Tunisia

Marcio José Concepción-Zavaleta, Endocrinology and Metabolism, Perú

Marko Miladinov, Clinic for Digestive Surgery—First Surgical Clinic, University Clinical Center of Serbia, Belgrade, Serbia

Maryam Baradaran Binazir, Community Medicine, Tabriz University of Medical Science, Iran

Masaru Tanaka, Neuroscience Research Group, University of Szeged, Hungary

Mohammad Asif Hussain, Biomedical, King Abdulaziz University, Saudi Arabia

Naotaka Hamasaki, Department of Clinical Chemistry and Laboratory Medicine, Kyushu University School of Medicine, Fukuoka, Japan & Faculty of Pharmaceutical Sciences, Nagasaki International University, Sasebo, Nagasaki, Japan

Nicolino Ambrosino, Scientific Director of Auxilium Vitae Volterra, Italy

Nikola M Stojanović, Department of Physiology, Faculty of Medicine, University of Niš, Serbia

Ohnmar Htwe, Department of Orthopaedics and Traumatology, University Kebangsaan Malaysia, Malaysia

Osama H. Al-Jiffri, Department of Medical Laboratory Technology, Faculty of Applied Medical Sciences, King Abdulaziz University, Saudi Arabia

Patil Shital, Pulmonary Medicine, MIMSR Medical College, India

Petar Avramovski, Internal Medicine, Higher Medical School, JZU Clinical Hospital “Dr. Trifun Panovski”, Republic of Macedonia

Praveen Kumar Potukuchi, University of Tennessee, USA

Rahmat A. Khan, Department of Biotechnology, University of Science and Technology Bannu, Pakistan

Raida Ben Salah, Internal Medicine, Hédi Chaker University Hospital, Tunisia

Rajendra Shrestha, Department of Neurosurgery, West China Hospital, Sichuan University, China

Rizwan Ishtiaq, Department of Gastroenterology, Beth Israel Deaconess Medical Center, USA

Roger W. Byard, Forensic Science SA and the School of Biomedicine, The University of Adelaide, Australia

Seyhan Hasirci, Sport Psychology, Nisantasi University, Türkiye

Shigeyuki Kano, Department of Tropical Medicine and Malaria, National Center for Global Health and Medicine in Japan, Japan

Simona Gurzu, University of Medicine and Pharmacy of Tirgu Mures, Romania

Suhail Ahmad, Nephrology, NorthWest Kidney Center, University of Washington, USA

Su-Ying Tsai, Department of Health Management, I-Shou University, Taiwan

Suzana Otašević, Department of Microbiology and Immunology, University of Niš, Niš, Serbia

Udai P. Singh, Department of Pharmaceutical Sciences, The University of Tennessee Health Science Center, USA

Vesna Stojanović, Department of Pediatrics, Faculty of Medicine, University of Novi Sad, Novi Sad, Serbia

Veysel Kayser, Sydney School of Pharmacy, Faculty of Medicine and Health, The University of Sydney, Australia

Vincenzo Russo, Cardiology Unit, Department of Medical Translational Sciences, University of Campania "Luigi Vanvitelli", Italy

Viroj Wiwanitkit, Department of Laboratory Medicine, Chulalongkorn University, Thailand & Department of Biological Science, Joesph Ayobabalola University, Ikeji-Arakeji, Nigeria

Vladimir J. Šimunović, Department of Family Medicine, University of Split, Republic of Croatia

Yogesh Shejul, Radiation Medicine, Bhabha Atomic Research Centre Hospital, India

Editorial Assistant

Aleksandra Piljak, MSc, Modestum DOO, Serbia

CONTENTS

Case Report

- Effect of transcutaneous neuromodulation on predictive parameters of extubation failure in severe acute pancreatitis: A case report** em599

Héctor Hernández-Garcés, Francisco Selva-Sarzo, Alberto Belenguer-Muncharaz, Samuel Fernández-Carnero, Eleuterio A Sánchez-Romero, Rafael Zaragozá-Crespo

<https://doi.org/10.29333/ejgm/14781>

Case Report

- The pathological and immunohistochemical profile of tumor angiogenesis in perforated sigmoid carcinoma–Case report and short literature review** em600

Raul Mihailov, Adrian Beznea, Constantin Popazu, Dragoş Voicu, Alexandra Toma, Iulia Tudoraşcu, Laura Rebegea, Oana Mariana Mihailov, Valerii Lutenco, Georgiana Bianca Constantin, George Țocu, Elena Niculeţ, Rodica Bîrlă, Dragoş Eugen Georgescu, Cristina Şerban

<https://doi.org/10.29333/ejgm/14847>

Original Article

- AI-driven solutions for low back pain: A pilot study on diagnosis and treatment planning** em601

Agrinazio Geraldo Nascimento Neto, Sávia Denise Silva Carlotto Herrera, Rodrigo Moura, Graciele Moura Cielo, Fábio Pegoraro, Valmir Fernandes de Lira, Maykon Jhuly Martins de Paiva, Carlos Gustavo Sakuno Rosa, Rafaela Carvalho Alves, Walmirton Bezerra D'Alessandro

<https://doi.org/10.29333/ejgm/14934>

Original Article

- Clinical and morphological changes of the spleen in COVID-19 patients with and without splenectomy** em602

Anna Berestova, Marina Karagezyan, Anastasiya Spaska, Tatyana Sakharova, Dariya Shorina

<https://doi.org/10.29333/ejgm/14935>

Original Article

- Risk factors for respiratory infections in a group of pediatric patients** em603

Loredana Stavar-Matei, Aurel Nechita, Luiza-Camelia Nechita, Miruna-Patricia Daineanu, Oana-Mariana Mihailov

<https://doi.org/10.29333/ejgm/14936>

Original Article

- Pathogenic organism and risk factors of infection after acute ischemic stroke during the COVID-19 pandemic** em604

Weny Rinawati, Abdulloh Machin, Aryati Aryati

<https://doi.org/10.29333/ejgm/15022>

Case Report**Challenges in diagnosing ovarian sertoli-leydig cell tumors: A Peruvian case series**

em605

Sofia Ildefonso-Najarro, Marcio José Concepción-Zavaleta, Rocio Karina Quiñonez Barra, Frederick Massucco Revoredo, Augusto Dextre Espinoza, Eddy Martin Mayta Condori, Katia Rivera Fabián, Juan Quiroz-Aldave, Lizbeth Quintero Aquino

<https://doi.org/10.29333/ejgm/15149>

Case Report**Post-laser hair removal folliculitis: A case report**

em606

Jakkrit Juhong, Weeratian Tawanwongsri

<https://doi.org/10.29333/ejgm/15157>

Original Article**Differences in ischemic heart disease between males and females using predictive artificial intelligence models**

em607

Muayyad Ahmad, Salam Bani Hani

<https://doi.org/10.29333/ejgm/15174>

Original Article**The speed and accuracy of prehospital triage for simulated disaster patients: Comparing prehospital emergency triage rapid algorithm (PETRA) and simple triage and rapid treatment (START)**

em608

Hossam Alhawatemeh, Saed Rawashdeh, Sawsan Abuhammad, Mahmoud T Alwidyan, Raya Albataineh

<https://doi.org/10.29333/ejgm/15208>

Original Article**Sensorineural hearing loss in post-COVID-19 patients**

em609

Shaimaa E Kabil, Reda Behairy, Mohammad Sayed, Mohamed El Sharkawy, Houssam Eldin Hassanin, Mahmoud Elsaed, Ibrahim H Yousef, Ahmed M Ewis, Ahmed H Wahba, Fawzy Omar, Ahmed Beshir, Mohamed S H Zaki, Ashraf Moursi, Khaled Makboul, Ahmed Kabil

<https://doi.org/10.29333/ejgm/15474>
