

ISSN: 2516-3507

# **ELECTRONIC JOURNAL OF GENERAL MEDICINE**



**October 2019  
Volume 16  
Issue 5**

**M**  
MODESTUM

Published by: **Modestum Limited**

Publication Office: Suite 124 Challenge House 616 Mitcham Road, CRO 3AA, Croydon, London, United Kingdom

Phone: +44 208 936 7681

Email: [publications@modestum.co.uk](mailto:publications@modestum.co.uk)

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

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

© 2004-2019. All rights reserved by Modestum Limited. 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 2019

Volume 16

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.

**Modestum Limited** (the publisher of **Electronic Journal of General Medicine**) publishes the articles under the terms of [Creative Commons Attribution License](#) allowing the work to be used, downloaded, copied, redistributed, remixed, transformed and built upon in any medium without restriction, even for commercial use. Copyright for Open Access content is retained by author(s).

## 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
- CrossRef
- EMBASE
- CAB Abstracts
- Library Ru
- Bioline International
- Chemical Abstracts Service
- Academic Search Complete
- Scilit
- Google Scholar

## EDITORIAL BOARD

---

### Editors

- Dr. Abduzhappar Gaipov, Nazarbayev University, School of Medicine, Nur-Sultan, Kazakhstan
- Dr. Ahmed El-nawawy, Pediatrics & Pediatric Critical Care, Alexandria University, Egypt
- Dr. Alexei Wong, Marymount University in Arlington, Virginia, USA
- Dr. Fu-Chen Kuo, I-Shou University, College of Medicine, Kaohsiung, Taiwan
- Dr. Marcos Roberto Tovani-Palone, University of São Paulo, Ribeirão Preto, SP, Brazil
- Dr. Ruben Blachman-Braun, National Institute of Cardiology, Mexico City, Mexico
- Dr. Shantanu Solanki, Westchester Medical Center/New York Medical College, Valhalla, NY - 10595, USA

### Editorial Board Members

- Dr. Abdulbaki "Baki" Agbas, Kansas City University of Medicine and Biosciences, USA
- Dr. Ahmed Abushahin, Pediatric Pulmonology, Sidra Medicine, Doha, Qatar
- Dr. Alfio Ferlito, University of Udine, Italy
- Dr. Ali Mohammad Ibrahim Al-Radaideh, The Hashemite University, Jordan
- Dr. Andre Kahn, Queen Fabiola Children's University Hospital, Belgium
- Dr. Bilal Lashari, Abington Jefferson Health, USA
- Dr. Birnur Yilmaz, Okan University, Turkey
- Dr. BMDB Basnayake, Teaching Hospital Kandy, Sri Lanka
- Dr. Cheng-Wei Liu, Tri-service General Hospital, Taiwan
- Dr. Ching-Kuo Wei, Oriental Institute of Technology, Taiwan
- Dr. Dagmar Eigner, Medical University of Vienna, Austria
- Dr. Dave D Chadee, The University of the West Indies, Trinidad and Tobago
- Dr. David W. Holt, St George's University of London, UK
- Dr. Demian Arturo Herrera Morban, Hospital Infantil Dr Robert Reid Cabral, Dominican Republic
- Dr. Emile Darai, Pierre and Marie Curie University - Paris 6, France
- Dr. Erwin Hernando Hernández Rincón, Universidad de La Sabana, Spain
- Dr. Gabriela Sanchez-Petitto, University of Texas Health Science Center at Houston, USA
- Dr. Georgia Gioula, Aristotle University of Thessaloniki, Greece
- Dr. Gerard Criner, Temple University Health System Lung Center, USA

- Dr. Gernot Schulte-Altendorneburg, University of Munich, Germany
- Dr. Gianluigi Bisleri, The KGH Research Institute (KGHRI) & Queen's University, Canada
- Dr. Giovanni Improta, University of Naples "Federico II", Italy
- Dr. Gjumrakch Aliev, GALLY International Biomedical Research & Consulting, USA
- Dr. Gregory G. Homish, University of Buffalo, USA
- Dr. Harunor Rashid, The University of Sydney, Australia
- Dr. Hyeon Ju Kim, Jeju National University, Republic of Korea
- Dr. Joe James, Government Medical College Kozhikode, India
- Dr. Kechide Melek, Fattouma Bourguiba University Hospital, Monastir, Tunisia
- Dr. Khodabakhsh Javanshir, Physiotherapy Department, Babol University of Medical Sciences, Iran
- Dr. Magdalena Lachowska, Medical University of Warsaw, Poland
- Dr. Makram Koubaa, Hedi Chaker University Hospital, Tunisia
- Dr. Maryam Baradaran Binazir, Tabriz University of Medical Science, Iran
- Dr. Mohammad Asif Hussain, King Abdulaziz University, Saudi Arabia
- Dr. Naotaka Hamasaki, Nagasaki International University, Nagasaki, Japan
- Dr. Nicolino Ambrosino, Scientific Director of Auxilium Vitae Volterra, Italy
- Dr. Ohnmar Htwe, University Kebangsaan Malaysia, Malaysia
- Dr. Orish Chinna Nneka, University of Port Harcourt, Nigeria
- Dr. Osama H. Al-Jiffri, King Abdulaziz University, Saudi Arabia
- Dr. Özdem Nurluöz, Near East University, N. Cyprus
- Dr. Patil Shital, MIMSR Medical College, India
- Dr. Petar Avramovski, Higher Medical School, JZU Clinical Hospital "Dr. Trifun Panovski", Republic of Macedonia
- Dr. Potu Bhagath Kumar, Arabian Gulf University, Kingdom of Bahreyn
- Dr. Praveen Kumar Potukuchi, University of Tennessee, USA
- Dr. Rahmat A. Khan, University of Science and Technology Bannu, Pakistan
- Dr. Raida Ben Salah, Hédi Chaker University Hospital, Tunisia
- Dr. Rajendra Shrestha, West China Hospital, China
- Dr. Rizwan Ishtiaq, Beth Israel Deaconess Medical Center - Harvard Medical School, USA
- Dr. Roger W. Byard, The University of Adelaide, Australia
- Dr. Ruben Blachman-Braun, National Institute of Cardiology, Mexico City, Mexico



Dr. Seyhan Hasirci, Koblenz University, Germany

Dr. Shigeyuki Kano, National Center for Global Health and Medicine in Japan, Japan

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

Dr. Suhail Ahmad, University of Washington, USA

Dr. Su-Ying Tsai, I-Shou University, Taiwan

Dr. Udai P. Singh, University of South Carolina Columbia, USA

Dr. Veysel Kayser, The University of Sydney, Australia

Dr. Vincenzo Russo, University of Campania "Luigi Vanvitelli", Italy

Dr. Viroj Wiwanitkit, Chulalongkorn University, Thailand

Dr. Vladimir J. Šimunović, University of Split, Republic of Croatia

Dr. Yogesh Shejul, Homi Bhabha National Institute, India & BARC Hospital, India

## CONTENTS

---

### Original Article

**Trends in child sexual abuse research in Latin America and the Caribbean** em148

*Maribel Vega-Arce, Gastón Núñez-Ulloa, Ignacia Sepúlveda-Ramírez, Gonzalo Salas, Ivelisse Torres Fernandez, Cristián Pinto-Cortez*

<https://doi.org/10.29333/ejgm/110615>

---

### Perspective Article

**Evaluation of surgical outcomes of alveolar graft with rhBMP-2 assisted by content-based images retrieval: a commentary** em149

*Marcos Roberto Tovani-Palone, Sridhar Premkumar*

<https://doi.org/10.29333/ejgm/103632>

---

### Original Article

**Symptomatic and asymptomatic bacteriuria in a pediatric cohort of kidney transplants from a hospital in Paraguay** em152

*Avelina Victoria Troche, Marlene Martínez- Pico, Nidia Gómez, Fernando Galeano, Víctor Araya, Marcos Roberto Tovani-Palone, Soraya Araya*

<https://doi.org/10.29333/ejgm/108496>

---

### Original Article

**Association of risk factors with the development of gross motor skills** em153

*Piedad Rocío Lerma Castaño, Diana Paola Montealegre Suárez, Marcos Roberto Tovani-Palone*

<https://doi.org/10.29333/ejgm/112296>

---

### Original Article

**Factors Associated with Early-onset Neonatal Sepsis in Children of Peruvian Military Personnel** em156

*César A. Mogollón, Evelyn E. Bautista, Gustavo Hernández-Arriaga, Lotty Bueso-Pineda, Marcos Roberto Tovani-Palone, Christian R. Mejía*

<https://doi.org/10.29333/ejgm/114059>

---

### Review Article

**Rare but lethal short QT syndrome: most recent understanding of the disease** em154

*Mustafa Al Qaysi, Juan Simon Rico-Mesa, William Sovic, Manuel Endo-Carvajal, Auroa Badin*

<https://doi.org/10.29333/ejgm/108495>

---

### Review Article

**Cardiac devices in the pediatric population: an overview of the indications and complications** em162

*Juan Simon Rico-Mesa, William Sovic, Pranav Penninti*

<https://doi.org/10.29333/ejgm/108497>

**Case Report**

**Management of impacted maxillary canines: a case report**

em155

*Sridhar Premkumar, Shameer SFs, Marcos Roberto Tovani-Palone*

<https://doi.org/10.29333/ejgm/108498>

---

**Original Article**

**Association of nutritional status and anemia with multi-micronutrient supplementation in young children in Peru**

em163

*Christian R. Mejia, Percy A. Sulca, Luis Hernani-Salazar, Luigi Ricaldi-Asto, Marcos A. Rojas, Gustavo Hernández-Arriaga, Marcos Roberto Tovani-Palone, Lotty Bueso-Pineda*

<https://doi.org/10.29333/ejgm/114662>

---

**Original Article**

**Compulsive gaming in secondary school students from five Peruvian cities: Usage and addiction to the Pokémon GO game**

em164

*Christian R. Mejia, Lienneke S. Mena, César A. Mogollón, Rocío Figueroa-Romero, Edgardo N. Hernández-Calderón, Andrés M. Aguilar-Fernández, Jhosselyn I. Chacon, Armando Miñan-Tapia, Marcos Roberto Tovani-Palone, Gustavo Hernández-Arriaga*

<https://doi.org/10.29333/ejgm/114664>