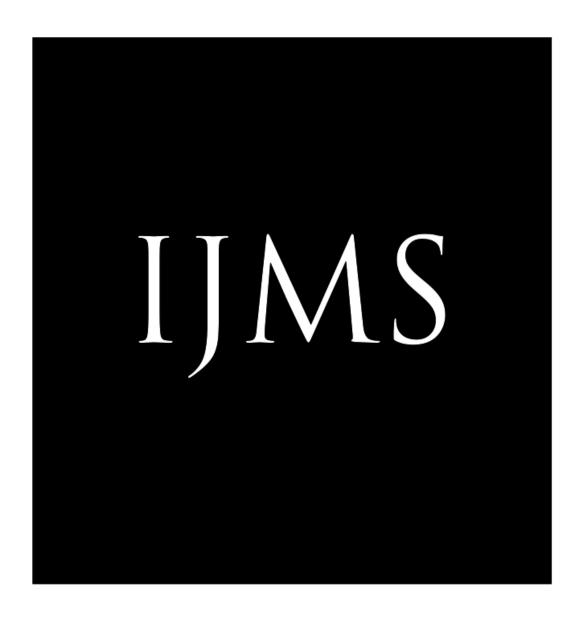
IJMS

# INTERNATIONAL JOURNAL of MEDICAL STUDENTS

Year 2017 | Months May-Aug | Volume 5 | Issue 2

www.ijms.info



#### Original Articles

- Student Heart Failure Intervention Pilot (SHIP): A Study of Risk Factor Analytics and Population Outreach

#### Review

- A Systematic Review of Cerebral Arteriovenous Malformation

#### Experiences

- Learning with the Community: An Enriching Experience
- Integrating Global Health into the Medical Curriculum: Experience of Foreign Students in Ukraine
- The Travels of a Volunteer with a Pregnancy Simulator



### International Journal of Medical Students

The International Journal of Medical Students (IJMS) is a peer-reviewed open-access journal, created to share the scientific production and experiences of medical students worldwide.

## INTERNATIONAL JOURNAL OF MEDICAL STUDENTS YEAR 2017 - VOLUME 5 - ISSUE 2

#### **EDITORIAL STAFF**

Editor in Chief

Francisco Javier Bonilla-Escobar, MD, MSc. University of Pittsburgh, USA. University of Valle, Cali, Colombia.

#### Scientific Editor

Mihnea-Alexandru Găman University of Medicine and Pharmacy, Bucharest, Romania.

**Associate Editors** 

Peter B. White Mayo Clinic, Rochester, MN, USA

Josip Anđelo Borovac

University of Split School of Medicine, Split, Croatia

Amanda Meryl Krantz Creighton University School of Medicine

Thiago Henrique Roza Federal University of Paraná

**Student Editors** 

Gerald Jack Soon Tan Newcastle University Medicine Malaysia, Johor, Malaysia

Jimmy Tam Huy Pham Arizona College of Osteopathic Medicine, USA

Samreen Fathima Deccan College of Medical Sciences, Dr.NTR University of Health Sciences, India.

Thanthima Suwanthawornkul University Medical Center Groningen, the Netherlands

Ikhwanuliman Putera

Faculty of Medicine, Universitas Indonesia, Jakarta, Indonesia

Jatinder Narang St. George's University School of Medicine, Grenada, West Indies

Omar Aboshady Menoufia University, Menoufia, Egypt

Andres Zorrilla Vaca Universidad del Valle

Ahmed Eid Radwan

Harvard Medical School, Boston, Massachusetts. United States

Yazan Mousa

Faculty of Medicine, Jordan University of Science and Technology

Maria Grazia Grech

Faculty of Medicine and Surgery, University of Malta

University of Medicine and Pharmacy, Cluj-Napoca, Romania

Alessandro Sgrò University of Pavia, Italy

Vaishnavi Vaidyanathan University of Missouri-Kansas City School of Medicine, Kansas City, Missouri

Hardaman Baryan

Faculty of Medicine & Dentistry, University of Bristol, Bristol, United Kingdom

Muzammil Nahaboo Solim

Lukas Kaesmann University of Munich, Germany

Paul MacDaragh Ryan University College Cork, Ireland

Daniel Alexander Jaramillo-Calle University of Antioquia, Colombia

Aleksa Iliev Andonov Medical University - Sofia, Sofia, Bulgaria

Doina Ghertescu

Faculty of Medicine, University of Medicine and Pharmacy of Târgu Mures, Romania

Odav Halhouli

The University of Jordan, School of Medicine, Jordan

Lee Onn Chieng University of Miami, Miler School of Medicine, USA

Patrick W. Chang University of California, USA

#### **EDITORIAL BOARD**

Abdel Kareem Azab, PhD. Washington University in St Louis, St Louis, MO, USA

Abhishekh Hulegar Ashok, MD. National Institute of Mental Health and Neurosciences, UK

Adrian Baranchuk, MD, FACC, FRCPC. Queen's University, Kingston, ON, Canada

Jorge Enrique Gomez-Marin, MD, MSc, PhD. University of Quindío, Armenia, Colombia

Juan Carlos Puyana, MD, FRCSC, FACS, FACCP. University of Pittsburgh, Pittsburgh, PA, USA

Juliana Bonilla-Velez, MD. University of Arkansas for Medical Sciences, Little Rock, AR, USA

Mario Rueda, MD. Johns Hopkins University School of Medicine, Baltimore, MD. USA

Rahul Kashyap, MD.

Mayo Clinic, Rochester, MN, USA

#### SUPPORT COMMITTEE OF PUBLIC RELATIONS AND COMMUNICATIONS

Director

Pedro López Ayala

Complutense University of Madrid, Madrid, Spain

#### **Ambassadors**

Lana Ziad Jamil Al-Sabe' University of Jordan, Amman, Jordan

Noof Rashid

Dubai Medical College for Girls, Dubai, United Arab Emirates

Sana Gulraiz

Services Institute of Medical Sciences, Lahore, Pakistan

Sandeep Singh, MBBS

Gajra Raja Medical College, Madhya Pradesh, India

Sazzad Shahriar Siam

University of Dhaka, Dhaka, Bangladesh

Vikas Dhiman, MBBS

National Institute of Mental Health and Neurosciences, Bangalore, India

Yazan Mousa

Jordan University of Science and Technology, Irbid, Jordan

Ahmad Hesham Fadl Cairo University, Giza, Egypt Ahmed Adel Sharf Al-Din

Menoufia University, Menofia, Egypt

Ala'addin Salih

University of Khartoum, Khartoum, Sudan

Ghaleb Muhammad Mehyar Misr University for Science and Technology, Giza, Egypt

Kahled Youssef Mansoura University, Dakahlia, Egypt

Muneer Al-Husseini

Ain Shams University, Cairo, Egypt

Victor Mike-Akinlusi

University of Ibadan, Ibadan, Nigeria

Europe

Israel Oluwaseyidayo Idris

V. N. Karazin Kharkiv National University, Kharkiv, Ukraine

Krishna Shah

Imperial College London, London, United Kingdom

Maria Grazia Grech

University of Malta, Msida, Malta

María José Morales Olmos Miguel Hernández University, Alicante, Spain Paul Mihai Boarescu

Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania

Pietro Ferrara

Second University of Naples, Caserta, Italy

North America

Madhur Rathi

University of Medicine and Health Sciences, Canada

Omar Yousef Sulaiman Mousa, MD

SUNY Upstate Medical University, New York, United States

Wilson Kwong

Oueen's University, Ontario, Canada

South America

Juan Felipe Salazar Espinosa University of Caldas, Caldas, Colombia

Lidiz Yaneth Mora Márquez

University of the Andes, Mérida, Venezuela

Manuel Sebastián Páez-Alvarez Pedagogical and Technological University of Colombia, Tunja, Colombia

María Salomé Scrocchi Viña University of the Andes, Mérida, Venezuela

#### PARTNERS

**CSurgeries** 

AIMS Meeting

Annual International Medical Students Meeting, Portugal **ASCEMCOL** 

Colombian Association of Medical Student Scientific Societies, Colombia

CNFM National Medical Students' Conference, Spain CNPEM

National Medical Student Paediatric Conference, Spain COMAPI

Academic Medical Congress of Piaui, Brazil

**IMSRC** International Medical Students' Research Congress, Turkey

ISMCK International Student Medical Congress in Košice, Slovak Republic **ISPC** 

International Student Psychiatry Conference in Katowice, Poland

Medicalis International Congress for Medical Students and Young Health Professionals, Romania

Warsaw International Medical Congress, Poland

YES Meeting Young European Scientist Meeting, Portugal



The International Journal of Medical Students (IJMS) is a peer-reviewed, open-access journal created to share the scientific production and experiences of medical students worldwide. Our objective is to be the primary diffusion platform for medical students, using standards that follow the process of scientific publication.

The Journal recieves contributions of previously unpublished Original Articles, Short Communications, Reviews, Case Reports, Interviews, Experiences and Letters, which are reviewed by experts (Peer-Reviewers) who have previously published similar research. This supports the quality and validity of the manuscripts. The review time delay in most cases has been two to four months depending on the diligence of peer-reviewers and authors.

The Journal, Editorial Staff and the Editorial Board are not responsible for the opinions expressed by the Authors of all published material, nor do these represent the official policy or medical opinion of the Journal or the institutions with which they are affiliated, unless otherwise stated.

The International Journal of Medical Students is published triannually on behalf of the Executive Committee of the International Journal of Medical Students. Any publication, dissemination or distribution of the information included in the Journal is permitted only if the source is cited (Int J Med Students).

The International Journal of Medical Students is indexed or abstracted in: Biblioteca Virtual del Sistema Sanitario Público de Andalucía (BV-SSPA), Bielefeld Academic Search Engine (BASE), China National Knowledge Infrastructure (CNKI), CiteFactor, Copac, Dialnet, Directory of Open Access Journals (DOAJ), Directory of Research Journals Indexing (DRJI), Enhancing the QUAlity and Transparency Of health Research (EQUATOR) Network, Genamics JournalSeek, Geneva Foundation for Medical Education and Research (GFMER), Google Scholar, Health InterNetwork Access to Research Initiative (HINARI), Health-care Information for All (HIFA) Network, Index Copernicus (ICV 2012: 5.62), InfoBase Index, International Impact Factor Services, J-Gate, Jour Informatics (Jour Info), JournalGuide, Journals Following the International Committee of Medical Journal Editors (ICMJE) Recommendations, JournalSeek, JournalTOCs, Mexican Index of Latin American Biomedical Journals (IMBIOMED), NewJour, Online Computer Library Center (OCLC) WorldCat, Open Academic Journals Index (OAJI), Open Science Directory, Paperity, Research Bible, Scientific Indexing Services (SIS), Scientific Journal Impact Factor, SHERPA/RoMEO, The Open Access Digital Library, trueserials.com, Ulrich's International Periodical Directory, ZDB Database.

All full-text articles are available at: www.ijms.info e-ISSN 2076-6327 (Online)

The International Journal of Medical Students is licensed under a Creative Commons Attribution 4.0 International License. Issued in Pittsburgh, PA, USA.

# International Journal of Medical Students

Year 2017 • Months May-Aug • Volume 5 • Issue 2 Int J Med Students. 2017 May-Aug;5(2)

# **Table of Contents**

	Page
Original Articles	
Student Heart Failure Intervention Pilot (SHIP): A Study of Risk Factor Analytics and Population Outreach William Byron Reichert, Gerard Hoatam, Emily Schmidt, Michael Leher, Arathi Gorur, Anna Jones, Anantharam Kalya, Priya Radhakrishnan	68
Review	
A Systematic Review of Cerebral Arteriovenous Malformation Management Karen Eliahu, Florence Hofman, Steven Giannotta	74
Experiences	
Learning with the Community: An Enriching Experience Shambhavi Chowdhary	81
Integrating Global Health into the Medical Curriculum: Experience of Foreign Students in Ukraine Victor Ohwo	84
The Travels of a Volunteer with a Pregnancy Simulator  Kota Hakoyama	87