Original Articles
- Essential Heavy Metals in Renal Tumor Tissue and Its Possible Relation to Carcinogenesis: Applying the Scanning Electron Microscopy Coupled with X-Ray Microanalysis Technique.
- Lifesaving Sonography Protocols: A Pilot Course Involving Undergraduate Medical Students.
- Frequency of Congenital Anomalies in Newborns and Its Relation to Maternal Health in a Tertiary Care Hospital in Peshawar, Pakistan.

Reviews
- Mitochondria as a Target for Future Diabetes Treatments.

Case Reports
- Advanced Small Cell Lung Cancer with Cerebellar Metastases – A Case Report.
- Acute Disseminated Melioidosis Presenting with Septic Arthritis and Diffuse Pulmonary Consolidation in an Otherwise Healthy Adult: A Case Report.

Editorials
- Shared Decision Making and Effective Physician-Patient Communication: The Quintessence of Patient-Centered Care.

Correspondences
- Challenges Faced by International Medical Students Due to Changes in Canadian Entrance Exam Policy.
- News from the Editors.
- Response to Medical Students’ Attitudes Towards Female Sex Workers.

Experiences
- A Medical Student Experience: Adding Value and Emotional Support to Patient Interactions.
- The Meaning of “Do No Harm”: A Medical Student Perspective.

Interview
- Interviewing Dr Felipe Fregni: A Pathway to a Research Career.
Shattered Dignity
"Breaking the Shackles: Anto’s Journey" Collection
By Anto Sg (Agus Sugianto) (with authorization).
Pasung Survivor, Tulungagung, East Java, Indonesia.
Email: gusagus2010@gmail.com
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The Journal receives contributions of previously unpublished Original Articles, Short Communications, Reviews, Case Reports, Interviews, Experiences and Letters, which are reviewed by experts (Peer-Reviewers) who have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*).


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

The *International Journal of Medical Students* is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License.

Issued in Rochester, MN, USA.
# Table of Contents

## Editorial

**Shared Decision Making and Effective Physician-Patient Communication: The Quintessence of Patient-Centered Care**

Huy Ming Lim, Kristiana Siste Kurniasanti.

Page 7

## Original Articles

**Essential Heavy Metals in Renal Tumor Tissue and Its Possible Relation to Carcinogenesis: Applying the Scanning Electron Microscopy Coupled with X-Ray Microanalysis Technique**

Tânia Nogueira, Mariana Semedo, Elisabete Cunha.

Page 10

**Lifesaving Sonography Protocols: A Pilot Course Involving Undergraduate Medical Students**

Jakub Wisniewski, Hanna Garnier.

Page 15

**Frequency of Congenital Anomalies in Newborns and Its Relation to Maternal Health in a Tertiary Care Hospital in Peshawar, Pakistan**

Adnan Khan, Muhammad Zuhaid, Maria Fayaz, Faryal Ali, Arsalan Khan, Raza Ullah, Javariya Zafar, Hakeem Ullah, Saïqa Baloch, Sanam Gandapur.

Page 19

**Exposure and Knowledge of Sharps Injuries among Medical Students in Seven States of Mexico**

Adrián Camacho-Ortiz, Xiomara Díaz-Rodríguez, Raúl Hernández-García, Mayra Martínez-Palomares, Susana Chávez-Moreno, Elvira Garza-González, Rafael Valdez-Vázquez, Irlanda Díaz-Pino.

Page 24

**Health Literacy Levels among Outpatients at a Tertiary Hospital in Delhi, India**

Monika Sahoo, Charu Kohli, Jugal Kishore.

Page 29

**Antimicrobial Sensitivity Pattern of Microorganisms Isolated from Vaginal Infections at a Tertiary Hospital in Bangalore, India**

Nagalakshmi Narayana Swamy, Padmasri Ramalingappa, Urvashi Bhatara.

Page 34

**A Pilot Study of the Effect of a Change in the Scheduling of Canadian Medical Licensing Examinations on Two Cohorts of Students Studying in Ireland**

Kate Niethammer, Pishoy Gouda, Edina Moylett.

Page 40

## Review

**Mitochondria as a Target for Future Diabetes Treatments**

Franziska Thimm, Marten Szibor.

Page 45

## Case Reports

**Hepatorenal Syndrome in the Emergency Department: A Case Report**

Win Jim Tan, Mohan Tiruchittampalam.

Page 51

**Advanced Small Cell Lung Cancer with Cerebellar Metastases – A Case Report**

Zhi Xiong Chong, Nazmi M. Noori.

Page 55
Acute Disseminated Melioidosis Presenting with Septic Arthritis and Diffuse Pulmonary Consolidation in an Otherwise Healthy Adult: A Case Report
Hai Sherng Lee, Abdul Azeez Ahamed Riyaaz, Seng Hong Yeoh.

Experiences
A Medical Student Experience: Adding Value and Emotional Support to Patient Interactions
Dale S. DiSalvo.

The Meaning of “Do No Harm”: A Medical Student Perspective
Dale S DiSalvo.

Interview
Interviewing Dr Felipe Fregni: A Pathway to a Research Career
Juliana Bonilla Velez, Whitney Stefanny Cordoba Grueso

Correspondences
Challenges Faced by International Medical Students Due to Changes in Canadian Entrance Exam Policy
Pishoy Gouda, Samuel Fanous, John Gouda.

Grains of Sand and an Artist’s Hands
Angela Peterman Mihalic.

Response to Medical Students’ Attitudes towards Female Sex Workers
Hanna Garnier, Jakub Wisniewski.

Reply to Letter to the Editor, “Response to Medical Students’ Attitudes towards Female Sex Workers”
Jenna Toki Nakagawa, Muge Akpinar-Elci.