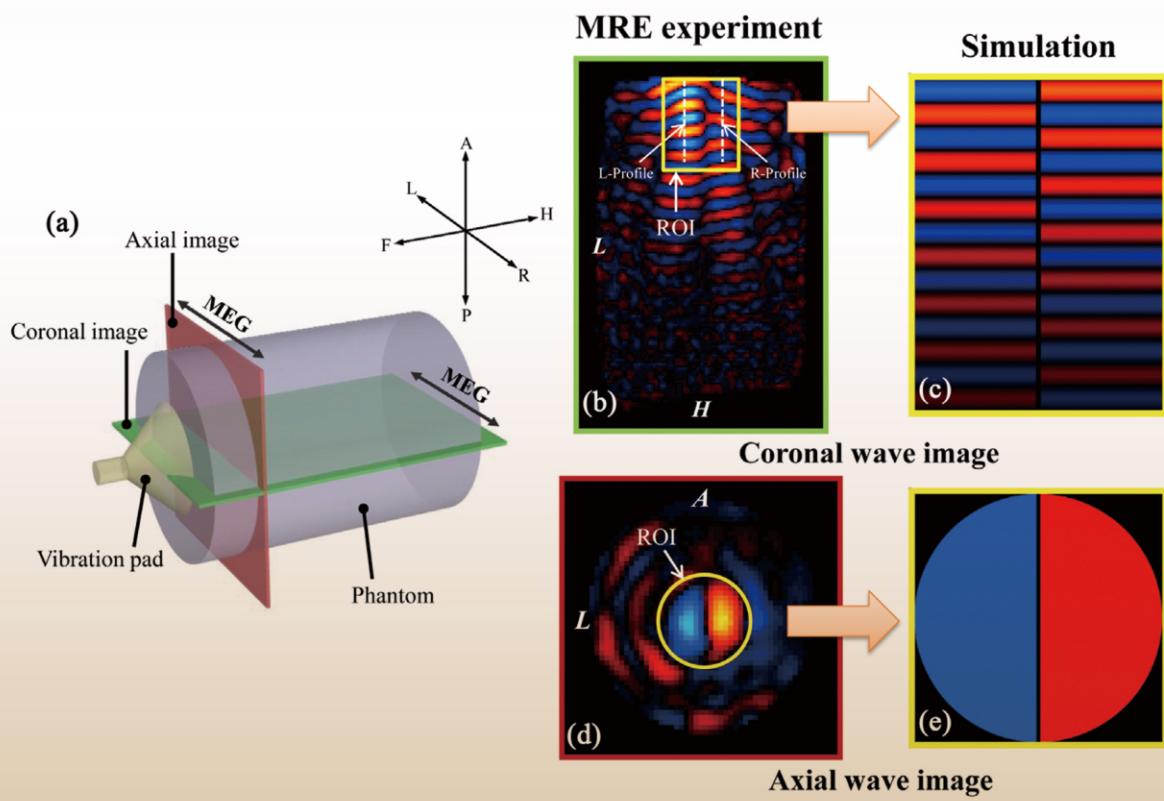


# Open Journal of Medical Imaging



# Journal Editorial Board

ISSN Print: 2164-2788    ISSN Online: 2164-2796

<http://www.scirp.org/journal/ojmi>

---

## Editor-in-Chief

**Prof. Michael L. Goris**

Stanford University, USA

## Editorial Board

**Prof. Ahmed Abdel Khalek Abdel Razek**

Mansoura University, Egypt

**Prof. Gjumrakch Aliev**

University of Atlanta, USA

**Dr. Mohammad Reza Ay**

Tehran University of Medical Sciences, Iran

**Dr. Ying Bai**

Heart Flow Inc., USA

**Dr. Mukesh Dhamala**

Georgia State University, USA

**Prof. Yasunobu Hayabuchi**

University of Tokushima, Japan

**Dr. Peter Kalina**

Mayo Clinic, USA

**Dr. Chan Kyo Kim**

Sungkyunkwan University, South Korea

**Dr. Marina Leitman**

Tel Aviv University, Israel

**Dr. George K. Matsopoulos**

National Technical University of Athens, Greece

**Prof. Tinsu Pan**

University of Texas M. D. Anderson Cancer Center, USA

**Prof. Hui-Xiong Xu**

Shanghai Tenth People's Hospital of Tongji University,  
China

# Table of Contents

**Volume 7 Number 4**

**December 2017**

**Partial Volume Effect on MR Elastography**

- D. Ito, T. Numano, K. Mizuhara, T. Washio, M. Misawa, N. Nitta.....131

**Application of Sparse-Coding Super-Resolution to 16-Bit DICOM Images for Improving the Image Resolution in MRI**

- J. Ota, K. Umehara, N. Ishimaru, T. Ishida.....144

**A Rare Case of Diaphragmatic Extralobar Pulmonary Sequestration**

- F. B. De Araújo Neto, R. G. Teixeira, T. C. B. Lyra, G. R. S. De Siqueira, M. D. Guimarães,  
S. G. B. Carneiro, V. M. Valois, T. B. Albano, E. F. Santos.....156

**Bronchial Fibroepithelial Polyp: A Rare and Challenging Diagnosis**

- F. B. De Araújo Neto, A. F. P. Ferreira, E. C. T. Do Nascimento, R. F. C. Zagatti, M. Wanderley,  
T. P. Rogrigues, T. C. B. Lyra, V. M. Valois, M. V. Y. Sawamura.....163

**Accuracy of Orthodontic 3D Printed Retainers versus Thermoformed Retainers**

- A. A. Nasef, A. R. El-Beialy, F. H. K. Eid, Y. A. Mostafa.....169

**Super-Resolution Imaging of Mammograms Based on the Super-Resolution Convolutional Neural Network**

- K. Umehara, J. Ota, T. Ishida.....180

**Strategies for Segmenting the Upper Airway in Cone-Beam Computed Tomography (CBCT) Data**

- N. Kabaliuk, A. Nejati, C. Loch, D. Schwass, J. E. Cater, M. C. Jermy.....196

**Prevalence and CT-Scan Presentations of Brain Malformations in Children at a University-Affiliated Mother and Child Hospital (Cameroon)**

- B. Moifo, R. Azegha Jiotsa, S. Nguefack, S. Tatah, E. Mah, F. Dongmo Nguefack, E. Mbonda.....220

**Comparative Ultrasound Review of Free Intra-Peritoneal Fluid (Ascites)**

- A. M. Afodun, E. D. Eze, A. A. Bakare, V. O. Ukwanya, T. O. Ayinde, K. K. Quadri.....229

**Should We Be Concerned? Comparison of Catheter and CT Angiogram for Arterial Distensibility at the Site of Carotid Stenosis during Catheter Angiography**

- A. Abayazeed, J. D. Lozano, G. Santos-Nunez, S. Vendantham, A. Puri, A. Wakhloo, D. Takhtani.....237

**Use of Foot Measurements as Sonographic Parameter for Estimation of Fetal Age**

B. Abdel Malik, M. Ibrahim, Q. Ali, M. Yousef, Q. T. Alshammari, S. Jastaniah.....248

**Usefulness of Castor Oil for Bowel Preparation for Colon Capsule Endoscopy in the Patients on Dialysis**

N. Hotta.....263

# **Open Journal of Medical Imaging (OJMI)**

## **Journal Information**

### **SUBSCRIPTIONS**

The *Open Journal of Medical Imaging* (Online at Scientific Research Publishing, [www.SciRP.org](http://www.SciRP.org)) is published quarterly by Scientific Research Publishing, Inc., USA.

#### **Subscription rates:**

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### **SERVICES**

#### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### **Reprints (minimum quantity 100 copies)**

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### **COPYRIGHT**

#### **Copyright and reuse rights for the front matter of the journal:**

Copyright © 2017 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

#### **Copyright for individual papers of the journal:**

Copyright © 2017 by author(s) and Scientific Research Publishing Inc.

#### **Reuse rights for individual papers:**

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

#### **Disclaimer of liability**

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

### **PRODUCTION INFORMATION**

For manuscripts that have been accepted for publication, please contact:

E-mail: [ojmi@scirp.org](mailto:ojmi@scirp.org)

# Call for Papers



# Open Journal of Medical Imaging

ISSN Print: 2164-2788    ISSN Online: 2164-2796

<http://www.scirp.org/journal/ojmi>

**Open Journal of Medical Imaging (OJMI)** is an international peer-reviewed, open access journal publishing in English original research studies, reviews and case reports in all aspects of Medical Imaging. Symposia or workshop papers may be published as supplements.

## Editor-in-Chief

Prof. Michael L. Goris

Stanford University, USA

## Editorial Board

Prof. Ahmed Abdel Khalek Abdel Razek

Mansoura University, Egypt

Prof. Gjumrakch Aliev

University of Atlanta, USA

Dr. Mohammad Reza Ay

Tehran University of Medical Sciences, Iran

Dr. Ying Bai

Heart Flow Inc., USA

Dr. Mukesh Dhamala

Georgia State University, USA

Prof. Yasunobu Hayabuchi

University of Tokushima, Japan

Dr. Peter Kalina

Mayo Clinic, USA

Dr. Chan Kyo Kim

Sungkyunkwan University, South Korea

Dr. Marina Leitman

Tel Aviv University, Israel

Dr. George K. Matsopoulos

National Technical University of Athens, Greece

Prof. Tinsu Pan

University of Texas M. D. Anderson Cancer Center, USA

Prof. Hui-Xiong Xu

Shanghai Tenth People's Hospital of Tongji University, China

## Subject Coverage

The journal publishes original papers including but not limited to the following fields:

- Abdominal Imaging
- Biomedical Imaging
- Brain Imaging and Behavior
- Breast Thermography
- Cardiovascular Imaging
- Clinical Imaging
- Clinical Physiology and Functional Imaging
- Clinical Positron Imaging
- Computer Vision and Image Understanding
- Computerized Medical Imaging and Graphics
- Contrast Media & Molecular Imaging
- Imaging & Microscopy
- Magnetic Resonance Imaging (MRI)
- Mathematical Imaging and Vision
- Medical Image Analysis
- Medical Imaging and Radiation Oncology
- Medical Imaging and Radiation Sciences
- Molecular Imaging and Biology
- Neuroimaging
- Nuclear Medicine and Molecular Imaging
- Radiography
- Real-Time Imaging
- Tomography
- Ultrasound

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

## Website and E-Mail

<http://www.scirp.org/journal/ojmi>

Email: [ojmi@scirp.org](mailto:ojmi@scirp.org)