

ISSN: 2164-3024 Volume 14, Number 2, June 2024



Open Journal of Radiology

ISSN: 2164-3024



<https://www.scirp.org/journal/ojrad>

Journal Editorial Board

ISSN Print: 2164-3024 ISSN Online: 2164-3032

<https://www.scirp.org/journal/ojrad>

Editor-in-Chief

Prof. Joseph Sekiguchi Yu The Ohio State University, USA

Editorial Board

Dr. Prachi Pragya Agarwal University of Michigan, USA
Prof. Kyung J. Cho University of Michigan Health System, USA
Dr. James Chow University of Toronto, Canada
Prof. Timothy Q. Duong UT Health Science Center San Antonio, USA
Dr. Natia Esiashvili Emory University, USA
Dr. Merja Laitinen University of Helsinki, Finland
Prof. Jing-Huei Lee University of Cincinnati, USA
Prof. Sang Kun Lee Seoul National University College of Medicine, South Korea
Dr. Jianfei Liu Duke University Medical Center, USA
Prof. Mustafa Zuhair Mahmoud Prince Sattam bin Abdulaziz University, Saudi Arabia
Dr. Christina Malamateniou King's College London, UK
Dr. Robert J. Min Weill Cornell Medical College, USA
Dr. Saeed Mirsadraee University of Edinburgh, UK
Prof. Mark D. Morasch Northwestern University, USA
Dr. Dongfeng Pan University of Virginia, USA
Dr. Hyunjin Park Sungkyunkwan University, South Korea
Prof. Suliman G. Salih Taibah University, Saudi Arabia
Dr. Paul Eduard Sijens University Medical Center Groningen, Netherlands
Dr. Hyo-Chun Yoon University of Utah School of Medicine, USA
Prof. Ramzi Tamer Younis University of Miami, USA

Table of Contents

Volume 14 Number 2

June 2024

Contribution of Computed Tomography to the Diagnosis of Urinary Lithiasis in a West African University Hospital

S. M. J. Marouruana, T. A. Ida, O. P. Ali, T. K. F. Dassis, K. Bassirou, Z. S. Moussa, O. Nina-Astrid, B. Y. Abel..... 25

Evaluation of Medical Prescribers' Theoretical Knowledge on Medical Imaging in the Northern Region of Burkina Faso

S. M. J. Marouruana, O. P. Ali, T. A. Ida, S. Habibou, K. Bassirou, O. Nina-Astrid, B. Y. Abel, D. Ousseini,..... 33

Quantitative Assessment of Liver Fibrosis by Elastography in Patients with Chronic Liver Disease: A Cross-Sectional Study in Lomé (Togo)

M. Dagbe, B. N'timon, S. Ekembe, R. E.-H. Yakoubou, P. Gbande, L. Sonhayé, L. K. Agoda-Koussema, K. V. Adjenou 42

Conformity Assessment of Lead Aprons Used in Conventional Radiology: A Multi-Centre Survey in Togo

M. Dagbé, B. N'timon, O. A. Bah, P. Gbandé, K. Awobanou, K. Adambounou, M. Tchaou, A. Amadou, L. Sonhayé, L. K. Agoda-koussema, K. V. Adjénou..... 55

Contribution and Relevance of Transfontanellar Ultrasound in Newborns in Ouagadougou: Multicentre Study on 1000 Cases

O. P. Ali, O. Nina-Astrid, S. M. Judickael, D. S. Arnould, T. I. Aida, N. A. Madina, N. Zakari, D. Ousseini, L. S. L. Claudine, C. Rabiou,..... 64

Life Time Attributable Cancer Risk Estimated Using Scanner Reported Dose Length Product during Chest Computed Tomography Imaging in Young Children

M. Bakkari, K. Soliman, A. Alrushoud, M. F. Alosaimi, H. Alsheikh, A. Alhejaili 74

Epidemiological and Computed Tomography Aspects of Facial Trauma at Kira Hospital in Bujumbura

S. Manirakiza, J. M. Banziriyubusa, S. Harakandi, P. Barasukana, C. Murekatete, D. Nduwayo, J. B. Bizimana, L. Nzisabira 83

CT Thresholds for Spinal Bone Mineral Attenuation to Prioritize Eligible Older Women for Osteoporosis Screening

S. Y. K. Orite, B. Higuchi, H.-C. Yoon, L. H. Gimber 92

Open Journal of Radiology (OJRad)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Radiology* (Online at Scientific Research Publishing, <https://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

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

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

E-mail: sub@scirp.org

COPYRIGHT

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

Copyright © 2024 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 © 2024 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: ojrad@scirp.org



Open Journal of Radiology

ISSN Print: 2164-3024 ISSN Online: 2164-3032

<https://www.scirp.org/journal/ojrad>

Open Journal of Radiology (OJRad) is an international peer-reviewed, open-access journal dedicated to presenting the latest advancement in medical imaging. The Journal is interested in presenting a wide range of imaging topics of interest to the medical community. These would include imaging developments: 1) for diagnosis of disease and 2) for guiding and/or evaluating a therapeutic treatment. The journal is also interested in presenting research articles of general interest to the imaging community, for example: image acquisition, processing, multimodality image registration and segmentation. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of radiology.

Subject Coverage

The journal publishes original papers including, but not limited to the following subfields of radiology:

- ◆ Acquisition of Radiological Images
- ◆ Computed Tomography (CT)
- ◆ Fluoroscopy
- ◆ Interventional Radiology
- ◆ MRI (Magnetic Resonance Imaging)
- ◆ Nuclear Medicine
- ◆ Projection (Plain) Radiography
- ◆ Radiologist Training
- ◆ Teleradiology
- ◆ 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.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically from the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<https://www.scirp.org/journal/ojrad>

E-mail: ojrad@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



**Scientific
Research
Publishing**

Website: <https://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org