

ISSN: 2164-3008

Volume 9, Number 3, March 2019



Scientific  
Research  
Publishing

# Open Journal of Orthopedics



ISSN: 2164-3008



9 772164 300005 03

[www.scirp.org/journal/ojo](http://www.scirp.org/journal/ojo)

# Journal Editorial Board

ISSN Print: 2164-3008    ISSN Online: 2164-3016

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

---

## Editorial Board

<b>Prof. Evangelos C. Alexopoulos</b>	OHD Onassis Cardiac Surgery Center, Greece
<b>Prof. Manuel Arroyo-Morales</b>	University of Granada, Spain
<b>Prof. Sudhir Babhulkar</b>	Sushrut Hospital, India
<b>Prof. Stephen Barrett</b>	Midwestern University College of Health Sciences, USA
<b>Prof. Paul E. Di Cesare</b>	University of California, Davis, USA
<b>Dr. Daniel Espino</b>	University of Birmingham, UK
<b>Dr. Salvador Fuster</b>	Universitat Barcelona, Spain
<b>Prof. Mahmoud A. Hafez</b>	October 6 University, Egypt
<b>Prof. Stephen Harris</b>	University of Texas Health Science Center at San Antonio, USA
<b>Prof. Kemal Nas</b>	University of Dicle, Turkey
<b>Dr. Letizia Perillo</b>	Second University of Naples, Italy
<b>Prof. Mir Sadat-Ali</b>	University of Dammam, Saudi Arabia
<b>Prof. Brandon G. Santoni</b>	University of South Florida, USA
<b>Dr. Nikolaos Strimpakos</b>	Technological Educational Institute of Lamias, Greece
<b>Prof. Xinlin Yang</b>	University of Virginia, USA

## Academic Editor

<b>Dr. Hagen Schmal</b>	University Hospital in Odense, Denmark
-------------------------	--

# Table of Contents

**Volume 9    Number 3**

**March 2019**

## **Comparison of Clinical Outcomes of Cortical Bone Trajectory and Traditional Pedicle Screw Fixation in Posterior Lumbar Interbody Fusion**

S. Karki, S. D. Zhang, X. H. Wang, A. Sinkemani, G. K. Sah.....31

## **Correlation between the Laboratory Test Results and Knee Functional Improvement of Pre- and Post-Total Knee Replacement Operation**

N. Lkhagvasuren, P. Chultemsuren, M. Dagvasumberel, A. Batbold, Z. Baasanjav, B. Khaltar,

O. Nomkhondorj, B. Ombogo, E. Avirmed, A. Amgalanbaatar, M. Sonomjamts.....48

## **Homolateral Combined Fracture of Monteggia and Galeazzi. Case Report and Review of the Literature**

M. Monka, K. Bouhelo-Pam, O. E. T. Olivier, A. Ngatsé-Okoko, A. Moyikoua.....61

# Open Journal of Orthopedics (OJO)

## Journal Information

### SUBSCRIPTIONS

The *Open Journal of Orthopedics* (Online at Scientific Research Publishing, [www.SciRP.org](http://www.SciRP.org)) is published monthly 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 © 2019 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 © 2019 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.

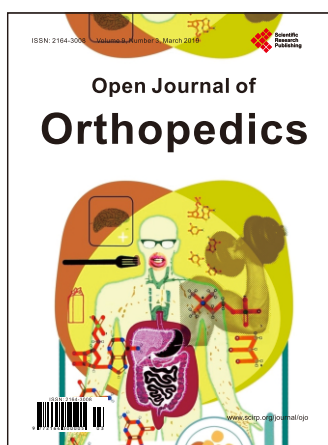
#### **Disclaimer of liability**

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: [ojo@scirp.org](mailto:ojo@scirp.org)



**Call for Papers**

# Open Journal of Orthopedics

ISSN Print: 2164-3008 ISSN Online: 2164-3016

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

**Open Journal of Orthopedics (OJO)** is a peer reviewed international journal dedicated to the latest advancement of Orthopedics. The goal of this journal is to keep a record of the state-of-the-art research and to promote study, research and improvement within its various specialties.

## Editorial Board

**Prof. Evangelos C. Alexopoulos**

**Prof. Manuel Arroyo-Morales**

**Prof. Sudhir Babhulkar**

**Prof. Stephen Barrett**

**Prof. Paul E. Di Cesare**

**Dr. Daniel Espino**

**Dr. Salvador Fuster**

**Prof. Mahmoud A. Hafez**

**Prof. Stephen Harris**

**Prof. Kemal Nas**

**Dr. Letizia Perillo**

**Prof. Mir Sadat-Ali**

**Prof. Brandon G. Santoni**

**Dr. Nikolaos Strimpakos**

**Prof. Xinlin Yang**

OHD Onassis Cardiac Surgery Center, Greece

University of Granada, Spain

Sushrut Hospital, India

Midwestern University College of Health Sciences, USA

University of California, Davis, USA

University of Birmingham, UK

Universitat Barcelona, Spain

October 6 University, Egypt

University of Texas Health Science Center at San Antonio, USA

University of Dicle, Turkey

Second University of Naples, Italy

University of Dammam, Saudi Arabia

University of South Florida, USA

Technological Educational Institute of Lamias, Greece

University of Virginia, USA

## Academic Editor

**Dr. Hagen Schmal**

University Hospital in Odense, Denmark

## Subject Coverage

All manuscripts submitted to OJO must be previously unpublished and may not be considered for publication elsewhere at any time during OJO's review period. Additionally, accepted ones will immediately appear online followed by printed in hard copy. Topics to be covered by this journal include, but are not limited to:

- Arthritis
- Challenges and Complications of Orthopedic Surgery
- Musculoskeletal Interactions
- Orthodontics and Dentofacial Orthopedics
- Orthopedic Abnormalities and Corrective Surgery
- Orthopedic Function and Mobility
- Osteoporosis
- Techniques and Advances in Orthopedic Surgery
- Other Bone Diseases and Disorders

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the OJO.

## Website and E-Mail

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

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