

ISSN: 2169-9712

Volume 7, Number 1, February 2018



# Advances in Parkinson's Disease



ISSN: 2169-9712



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

# Journal Editorial Board

ISSN 2169-9712 (Print) ISSN 2169-9720 (Online)

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

---

## Editorial Board

<b>Prof. Kambiz N. Alavian</b>	Yale University, USA
<b>Prof. Linan Chen</b>	The University of Chicago, USA
<b>Dr. Yansheng Du</b>	Indiana University School of Medicine, USA
<b>Prof. Behzad Elahi</b>	University of Toronto, Canada
<b>Dr. Eveline Geiser</b>	Massachusetts Institute of Technology, USA
<b>Prof. Corey R. Hopkins</b>	Vanderbilt University Medical Center, USA
<b>Dr. Krisztina K. Johansen</b>	St. Olavs Hospital, Norway
<b>Dr. Orhan Tansel Korkmaz</b>	University of Eskisehir Osmangazi, Turkey
<b>Dr. Robert LeMoyne</b>	Independent, USA
<b>Prof. Xinmin Liu</b>	Columbia University Medical Center, USA
<b>Prof. Maja Diana Neely</b>	Vanderbilt Kennedy Center for Research on Human Development, USA
<b>Prof. Joe Robert Nocera</b>	Emory University, USA
<b>Prof. Zhen Qi</b>	Georgia Institute of Technology, USA
<b>Prof. Laura Rocchi</b>	University of Bologna, Italy
<b>Prof. John Thomas Slevin</b>	University of Kentucky College of Medicine, USA
<b>Prof. Wanli W. Smith</b>	University of Maryland, USA
<b>Prof. Andrei Surguchov</b>	VA Medical Center and Kansas University Medical Center, USA
<b>Prof. Anusha Venkatakrisnan</b>	ICF International, Inc., USA
<b>Prof. James Tin Hang Yip</b>	The University of Hong Kong, China

## Academic Editor

<b>Prof. Marie-Helene Saint-Hilaire</b>	Boston University Medical Center, USA
---	---------------------------------------

# Table of Contents

**Volume 7    Number 1**

**February 2018**

**Parkinson Kinetic Graph: Are Motor Fluctuations in Parkinson Disease Related with Disease Duration?**

E. Berghuis, B. Van Harten, M. Van Kesteren-Biegstraaten, W. Rutgers, N. Verwey.....1

**Frequency of Low Vitamin D3 Levels in Subjects with Parkinson's Disease. A Study Conducted at PMCH, a Tertiary Care Hospital, Nawabshah**

A. A. Jamali, G. M. Jamali, B. M. Tanwani, N. H. Jamali, M. R. Bhatia.....7

## Advances in Parkinson's Disease (APD)

### Journal Information

#### SUBSCRIPTIONS

The *Advances in Parkinson's Disease* (Online at Scientific Research Publishing, [www.SciRP.org](http://www.SciRP.org)) is published quarterly by Scientific Research Publishing, Inc., USA.

##### **Subscription rates:**

Print: \$59 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 © 2018 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 © 2018 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**

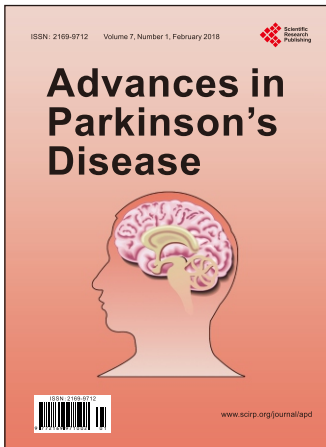
Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any 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: [apd@scirp.org](mailto:apd@scirp.org)

*Call for Papers*



# Advances in Parkinson's Disease (APD)

ISSN 2169-9712 (Print) ISSN 2169-9720 (Online)

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

**Advances in Parkinson's Disease (APD)** is a quarterly open access journal. 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 all aspects of Parkinson's disease.

## Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous peer-review process. Accepted papers will immediately appear online followed by printed in hard copy. The areas covered by *Advances in Parkinson's disease (APD)* include but are not limited to:

- Diagnosis and treatment of Parkinson's disease
- Epidemiological studies of Parkinson's disease
- Etiology of Parkinson's disease
- Genetics of Parkinson's disease
- Molecular correlates of Parkinson's disease
- Parkinsonian gait
- Pathogenesis of Parkinson's disease
- Pharmacology of Parkinson's disease
- Psychology of Parkinson's disease
- Signs and symptoms of Parkinson's disease

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 through 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

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

E-mail: [apd@scirp.org](mailto:apd@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: <http://www.scirp.org>**

**Subscription: [sub@scirp.org](mailto:sub@scirp.org)**

**Advertisement: [service@scirp.org](mailto:service@scirp.org)**