

ISSN: 2160-8792

Volume 9, Number 7, July 2019



# **Open Journal of Obstetrics and Gynecology**



ISSN: 2160-8792



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

# Journal Editorial Board

ISSN 2160-8792 (Print) ISSN 2160-8806 (Online)

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

---

## Editor-in-Chief

**Prof. Christos E. Constantinou** Stanford University Medical School, USA

## Editorial Board

<b>Prof. Al Moustafa Ala-Eddin</b>	Qatar University, Qatar
<b>Dr. Samir A. Farghaly</b>	Cornell University, USA
<b>Dr. Vesna D. Garovic</b>	Mayo Medical School, USA
<b>Prof. Elizabeth S. Ginsburg</b>	Brigham & Women's Hospital, USA
<b>Prof. Paul J. Hoskins</b>	University of British Columbia, Canada
<b>Prof. William W. Hurd</b>	Case Western Reserve University, USA
<b>Dr. Remah M. Kamel</b>	Jazan University, Saudi Arabia
<b>Prof. Patricia A. Kruk</b>	University of South Florida, USA
<b>Prof. Seung-Yup Ku</b>	Seoul National University, South Korea
<b>Prof. Kodati Vijaya Lakshmi</b>	Vasavi Hospital, India
<b>Dr. Cuilan Li</b>	The 3rd Affiliated Hospital to University of Guangzhou Medical University, China
<b>Prof. Antoine Malek</b>	University Hospital Zurich, Switzerland
<b>Prof. Ospan A. Mynbaev</b>	Moscow Institute of Physics & Technology, Russia
<b>Prof. Ahmed M. A. Nasr</b>	Assiut University, Egypt
<b>Prof. M. Steven Piver</b>	Sisters of Charity Hospital, USA
<b>Prof. F. Alameda Quitllet</b>	University of Barcelona, Spain
<b>Prof. Ch. V. Rao</b>	Florida International University, USA
<b>Prof. Gregory Edward Rice</b>	University of Queensland Centre for Clinical Research, Australia
<b>Prof. Lee P. Shulman</b>	Northwestern University, USA
<b>Prof. Osamu Tsutsumi</b>	Sanno Hospital, Japan
<b>Prof. Chengquan Zhao</b>	University of Pittsburgh, USA

# Table of Contents

**Volume 9    Number 7**

**July 2019**

## **Clinical Significance of Serum Galectin-1 and Its Tissue Immunohistochemical Expression in Serous Ovarian Carcinoma Patients**

M. M. Abdelwahab, H. F. Ebian, T. R. Ibrahim, M. S. Badr, M. E.-B. Lashin, M. A. Yassin, A. M. Ismail, A. A. Obaya.....937

## **Accessory Breast Tissue in Pregnancy**

O. Paknejad, D. Bryant, C. Peterkin, W. Wilcox, M. Follen.....954

## **Fetal Prognostics in Relation to Uricemia and Maternal Proteinuria of Arterial High Blood Pressure Types during Pregnancy at the Maternity of Donka, National Hospital Donka, CHU of Conakry, Guinea**

B. S. Diallo, M. Sambakeita, I. S. Balde, O. Diawara, T. Sy, M. L. Kaba, Y. Hyjazi, N. Keita.....960

## **Hematological Profile and Risk Factors of Anemia in Pregnant Women: A Cross Sectional Descriptive and Analytical Study in Douala Cameroon**

E. Henri, M. K. Valere, E. E. Lucas, P. I. Calixte, C. M. Ngalame, T. T. Grâce, A. S. Ekobo, C. E. E. Moukoko.....968

## **Maternal Complications of Caesarean Section in a Resource-Limited Country: The Case of the Maternity Unit of Kankan Regional Hospital, Guinea**

M. H. Diallo, I. S. Baldé, A. D. Diallo, O. Baldé, B. S. Diallo, I. Sylla, O. H. Bah, L. Doumbouya, A. T. Diallo, Y. Hyjazi, N. Keita.....981

## **Eltrombopag Managed Severe Immune Thrombocytopenic Purpura in Pregnancy: A Case Report, Latifa Hospital, DHA, Dubai, UAE**

K. S. Hazari, A. B. E. Fazari, T. Gergawi, H. M. A. Aal-Yaseen, N. Aftab.....991

## **Oncoplastic Breast Surgery in Gynecologic Oncology Breast Pole to the National Institute of Rabat**

J. A. M'bongo, Y. El Alami, W. L. T. Meukem, F. Tijami, Z. Hanchi, H. Hachi.....997

## **Prevalence of Female Sexual Dysfunction among Women with Pelvic Organ Prolapse Diagnosed by PISQ-12 and Related Factors in Hung Vuong Hospital, Vietnam**

H. N. K. Trang, P. H. Cuong, H. T. D. Tuyet.....1005

## **Assessment of Endometrial Carcinoma Markers and Hormone Receptors Profile before and after Bariatric Surgery: A Clinico-Pathological-Immunohistochemical Study**

W. M. Elnagar, S. S. Elbasateeny, M. M. Abdelwahab, M. A. Yassin, T. A. Baiomy, M. A. F. Amin, D. A. El-Shafei.....1019

## **Endometrial Necrosis Following B-Lynch Suture for Uterine Atony**

W. Y. Li, W. Z. Qin.....1032

## **Modified Triple P Approach by Gynecologic Oncologist-Led Team for Placenta Accreta Spectrum Improves the Outcome: Non-Randomized Controlled Trial**

M. A. Ahmed, M. M. Khodry.....1039

## **Management of Ectopic Pregnancy at the Brazzaville Hospital and University Centre**

J. A. Mbongo, P. Mawandza, G. B. Mpika, C. Itoua, L. H. Iloki.....1050

## **The Use of Visual Tests in the Screening Strategy of Cervical Dysplasias and Cervical Cancer at the Laquintinie Hospital Douala, Cameroon: A Cross-Sectional Study**

E. Henri, M. K. Valère, E. O. Thomas, E. J. Paul, E. Felix, B. Merlin, T. T. Grâce, T. Aristophane,  
M. E. Telesphore.....1058

## **The Fate of Newborns Delivered through Cesarean Section at Brazzaville University Hospital**

J. A. Mbongo, G. B. Mpika, P. Mawandza, D. A. Bitsangou, G. E. Bowassa, C. Itoua, L. H. Iloki.....1073

# Open Journal of Obstetrics and Gynecology (OJOG)

## Journal Information

### SUBSCRIPTIONS

The *Open Journal of Obstetrics and Gynecology* (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: [ojog@scirp.org](mailto:ojog@scirp.org)

# Clinical Significance of Serum Galectin-1 and Its Tissue Immunohistochemical Expression in Serous Ovarian Carcinoma Patients

Mai Mohamed Abdelwahab<sup>1\*</sup>, Huda Fathy Ebian<sup>2</sup>, Taiseer Refat Ibrahim<sup>1</sup>,  
Mohammad Samir Badr<sup>3</sup>, Mohamed El-Bakry Lashin<sup>3</sup>, Mahmoud Abdou Yassin<sup>4</sup>,  
Adel Mohamed Ismail<sup>5</sup>, Ahmed Ali Obaya<sup>6</sup>

<sup>1</sup>Department of Pathology, Faculty of Medicine, Zagazig University, Zagazig, Egypt

<sup>2</sup>Department of Clinical Pathology, Faculty of Medicine, Zagazig University, Zagazig, Egypt

<sup>3</sup>Department of Obstetrics and Gynecology, Faculty of Medicine, Zagazig University, Zagazig, Egypt

<sup>4</sup>Department of General Surgery, Faculty of Medicine, Zagazig University, Zagazig, Egypt

<sup>5</sup>Department of Surgical Oncology, Ismailia Teaching Oncology Hospital, Ismailia, Egypt

<sup>6</sup>Department of Clinical Oncology, Faculty of Medicine, Zagazig University, Zagazig, Egypt

Email: \*maiabdelwahab@gmail.com

**How to cite this paper:** Abdelwahab, M.M., Ebian, H.F., Ibrahim, T.R., Badr, M.S., Lashin, M.E.-B., Yassin, M.A., Ismail, A.M. and Obaya, A.A. (2019) Clinical Significance of Serum Galectin-1 and Its Tissue Immunohistochemical Expression in Serous Ovarian Carcinoma Patient. *Open Journal of Obstetrics and Gynecology*, 9, 937-953.

<https://doi.org/10.4236/ojog.2019.97091>

**Received:** June 16, 2019

**Accepted:** July 2, 2019

**Published:** July 5, 2019

Copyright © 2019 by author(s) and Scientific Research Publishing Inc.  
This work is licensed under the Creative Commons Attribution International License (CC BY 4.0).

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



Open Access

## Abstract

**Objectives:** Serous ovarian carcinoma (SOC) is the commonest ovarian carcinoma type with poor prognosis due to early metastasis and first presentation with advanced stage. In this work, we investigated serum level of Galectin-1 (Gal-1) and its tissue immunohistochemical expression in SOC patients at different stages trying to find out its significance as a diagnostic and prognostic marker. **Patients and methods:** The study included 95 females I-Control group: Twenty five healthy females; II-Patients group: Seventy females diagnosed as SOC at different stages; Stage I: 8 cases, Stage II: 12 cases, Stage III: 32 cases and Stage VI: 18 cases. Serum Galectin-1 and CA-125 were measured by ELISA and tissue Galectin-1 was assessed by immunohistochemistry. All patients were followed for up to 3 years after surgery. **Results:** Serum Gal-1 and CA-125 levels were significantly higher in SOC patients compared to controls ( $p < 0.001$ ). We found a direct positive statistically significant correlation between serum Gal-1 and CA125 levels ( $p < 0.001$ ). Serum Gal-1 at cut off value  $> 135$  ng/ml was superior to CA-125 a cut off value  $> 49$  u/ml with sensitivity, specificity of 100%, vs 88.57, 96% for CA-125. Serum Gal-1 was significantly associated with tumor stage ( $p < 0.001$ ). Immunohistochemistry showed that patients with strong Gal-1 expression had higher serum level ( $p = 0.002$ ). Stromal and tumor Gal-1 expression were significantly correlated with tumor grade ( $p < 0.001$ ) and stage ( $p = 0.001$ ). Serum Gal-1, CA-125 and IHC Gal-1 expression were associated with poor sur-



# Open Journal of Obstetrics and Gynecology (OJOG)

ISSN: 2160-8792 (Print)      ISSN: 2160-8806 (Online)  
<http://www.scirp.org/journal/ojog>

**Open Journal of Obstetrics and Gynecology (OJOG)** is an international journal dedicated to the latest advancement of obstetrics and gynecology. 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 obstetrics and gynecology. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy.

## Editor-in-Chief

**Prof. Christos E. Constantinou**      Stanford University Medical School, USA

## Subject Coverage

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

- Abdominal Imaging
- Gynaecological Oncology
- Infertility
- Maternal-Fetal Medicine
- Midwifery
- Pelvic Floor Rehabilitation
- Pelvic Pain
- Reproductive Endocrinology and Infertility
- Urinary Continence
- Urogynaecology and Pelvic Reconstructive Surgery

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/ojog>

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