

JOURNAL OF PERINATAL MEDICINE

OFFICIAL JOURNAL OF THE WORLD ASSOCIATION OF
PERINATAL MEDICINE, THE INTERNATIONAL ACADEMY OF
PERINATAL MEDICINE, THE NEW YORK PERINATAL SOCIETY
AND THE SOCIETY THE FETUS AS A PATIENT

EDITOR-IN-CHIEF

*J. W. Dudenhausen, Berlin,
New York*

FOUNDING EDITOR

E. Z. Saling, Berlin

**COORDINATING EDITOR
FOR THE WAPM**

F. A. Chervenak, New York

**COORDINATING EDITOR
FOR THE IAPM**

A. Kurjak, Zagreb

EDITORS OBSTETRICS

*J. Chappelle, New York
M. Genc, New York
A. Grunebaum, New York
R. Romero, Detroit*

NEONATOLOGY

*E. Bancalari, Miami
A. Greenough, London*

MANAGING EDITOR

*I. Grünberg-Rinkleff,
c/o de Gruyter*

EDITORIAL BOARD

*R. Bergmann, Berlin
J. F. Bernardes, Porto
I. Blickstein, Rehovot
L. Cabero, Barcelona
X. Carbonell-Estrany, Barcelona
J. M. Carrera, Barcelona
V. D'Addario, Bari
Mary E. D'Alton, New York
R. Hentschel, Freiburg
W. Holzgreve, Bonn
M. J. M. C. Keirse, Adelaide
B. Lee, Doha
M. Levene, Leeds
C. J. Lockwood, New Haven
K. Maršál, Lund
J. C. Martinez, Buenos Aires
E. Ogata, Chicago
Z. Papp, Budapest*

R. K. Pejaver, Bangalore

R. K. Pooh, Osaka

O. D. Saugstad, Oslo

J. Schenker, Jerusalem

C. Şen, Istanbul

I. Seri, Doha

A. Thomas, Berlin

K. Vetter, Berlin

Hung N. Winn, Columbia

B. K. Young, New York

R. Zimmermann, Zurich

STATISTICAL ADVICE

W. Köpcke, Münster

ETHICAL ADVICE

F. A. Chervenak, New York



DE GRUYTER

ABSTRACTED/INDEXED IN Algology, Mycology & Protozoology Abstracts (Microbiology C); Automatic Subject Citation Alert (ASCA); Bacteriology Abstracts (Microbiology B); Biological Abstracts; BIOSIS Previews; CAB Abstracts and Global Health; Chemical Abstracts and the CAS databases; CSA Illustrata – Natural Sciences; Current Contents/Clinical Medicine; EMBASE, the Excerpta Medica database; Health & Safety Science Abstracts; Industrial and Applied Microbiology Abstracts (Microbiology A); Index Medicus/MEDLINE; ISI Custom Information Services; Journal Citation Reports/Science Edition; Science Citation Index; Science Citation Index Expanded (SciSearch); Scopus; SIIC Data Bases.

The Journal is associated with the World Association of Perinatal Medicine. 

The Journal is associated with the International Academy of Perinatal Medicine. 

The Journal is associated with the New York Perinatal Society. 

The Journal is associated with the The Fetus as a Patient Society. 

The Journal is associated with Core Outcomes in Women's Health. 

The publisher, together with the authors and editors, has taken great pains to ensure that all information presented in this work (programs, applications, amounts, dosages, etc.) reflects the standard of knowledge at the time of publication. Despite careful manuscript preparation and proof correction, errors can nevertheless occur. Authors, editors and publisher disclaim all responsibility for any errors or omissions or liability for the results obtained from use of the information, or parts thereof, contained in this work.

The citation of registered names, trade names, trademarks, etc. in this work does not imply, even in the absence of a specific statement, that such names are exempt from laws and regulations protecting trademarks etc. and therefore free for general use.

ISSN 0300-5577 · e-ISSN1619-3997 · CODEN JPMAO

All information regarding notes for contributors, subscriptions, Open access, back volumes and orders is available online at www.degruyter.com/jpm.

RESPONSIBLE EDITOR Dr. Joachim W. Dudenhausen FRCOG Professor of Obstetrics and Gynecology, Weill Cornell Medical College Medical Advisor and Head of Medical Staff Services, Professor Emeritus - Charite University Medicine Berlin, Editor in Chief - *Journal of Perinatal Medicine*

JOURNAL MANAGER Ingrid Grünberg, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany, Tel.: +49 (0)30 260 05 – 245, Fax: +49 (0)30 260 05 – 315, Email: jpm@degruyter.com

RESPONSIBLE FOR ADVERTISEMENTS Claudia Neumann, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany, Tel.: +49 (0)30 260 05-226, Fax: +49 (0)30 260 05-264, Email: anzeigen@degruyter.com

© 2016 Walter de Gruyter GmbH, Berlin/Boston

TYPESETTING Compuscript Ltd., Shannon, Ireland

PRINTING Franz X. Stückle Druck und Verlag e.K., Ettenheim
Printed in Germany



Contents

Highlight: Maternal Medicine

Editorial

Wayne R. Cohen

The emergence of obstetric medicine — 259

Mini review

Rima Obeid, Konrad Oexle, Anke Reißmann, Klaus Pietrzik and Berthold Koletzko

Folate status and health: challenges and opportunities — 261

Original articles - Obstetrics

Efser Oztas, Sibel Ozler, Ali Ozgur Ersoy, Can Tekin Iskender, Ayhan Sucak, Merve Ergin, Dilek Uygur and Nuri Danisman

Increased levels of serum clusterin is associated with intrauterine growth restriction and adverse pregnancy outcomes in preeclampsia — 269

Jane So, Elizabeth Young, Natalie Crnosija and Joseph Chappelle

The utility of clinical findings to predict laboratory values in hypertensive disorders of pregnancy — 277

Yingdong He, Shi Chen, He Huang and Qian Chen

Association between decreased plasma levels of soluble human leukocyte antigen-G and severe pre-eclampsia — 283

Peter Chedraui, Emilio J. Solís, Faustino R. Pérez-López, Fred Schatz, Umit Kayisli, Gustavo S. Escobar, Rita Loja-Chango, Luis Hidalgo and Charles J. Lockwood

Umbilical cord plasma interferon-induced protein 10 (IP-10) and interferon-induced T-cell alpha chemoattractant (ITAC) levels are lower in women with severe preeclampsia — 291

Aslı Yarcı Gursoy, Yasemin Tasci, Hatice Celik, Gamze S. Caglar, Mine Kiseli, Tuba Candar, Selda Demirtas and Salim Erkaya

The prognostic value of first-trimester cystatin C levels for gestational complications — 295

Hadiza Galadanci, Wolfgang Künzel, Robert Zinser, Oladapo Shittu, Stefanie Adams and Manfred Gruhl
Experiences of 6 years quality assurance in obstetrics in Nigeria – a critical review of results and obstacles — 301

Wolf Kirschner, Joachim W. Dudenhausen and Wolfgang Henrich

Are there anamnestic risk factors for iron deficiency in pregnancy? Results from a feasibility study — 309

Emel Kiyak Caglayan, Yaprak Engin-Ustun, Ayşe Yesim Gocmen, Nagihan Sarı, Levent Seckin, Mustafa Kara and Muhammed Fevzi Polat

Is there any relationship between serum sirtuin-1 level and neutrophil-lymphocyte ratio in hyperemesis gravidarum? — 315

Sara Saliem, Valerie Patenaude and Haim A. Abenheim
Pregnancy outcomes among renal transplant recipients and patients with end-stage renal disease on dialysis — 321

Netanella Miller, Tal Biron-Shental, Kobi Peleg, MPH, Ami Fishman, Oded Olsha, Adi Givon, ITG and Boris Kessel
Are pregnant women safer in motor vehicle accidents? — 329

Bruce K. Young, Michael K. Chan, Li Liu and Ross S. Basch
Amniotic fluid as a source of multipotent cells for clinical use — 333

Original articles - Newborn

Eran Hadar, Liat Salzer, Elizabeta Dorfman, Jacob Amir and Joseph Pardo

Antenatal risk factors for symptomatic congenital CMV disease following primary maternal CMV infection — 339

Sevilay Topcuoglu, Leyla Daban Kolsuz, Tugba Gursoy, Fahri Ovali and Guner Karatekin

Effects of preeclampsia on the amplitude integrated electroencephalography activity in preterm infants — 345

Short communication

Victoria Ossada, Alexander Jank and Holger Stepan
**The impact of uterine curettage postpartum on maternal
sFlt-1 concentration — 351**

Letter to the Editor

José Morales-Roselló and Asma Khalil
**Fetal cerebroplacental ratio and adverse perinatal
outcome — 355**

Letter to the Editor – Reply

Ahmed A. Nassr, Ahmed M. Abdelmagied and Sherif A.M.
Shazly
**Reply to: Fetal cerebroplacental ratio and adverse
perinatal outcome — 357**

Congress Calendar — 359