

# CLINICAL AND EXPERIMENTAL OBSTETRICS & GYNECOLOGY

an International Journal

*Editors-in-Chief*

**A. Onnis**                      **J.H. Check**  
*Montréal (CND)*              *Camden, NJ (USA)*

*Associate Editor*

**M. Marchetti**  
*Montréal (CND)*

*Assistant Editor*

**J. Wilson**  
*San Diego - CA (USA)*

*Editorial Board*

Audet-Lapointe P., <i>Montréal (Canada)</i>	Holub Z., <i>Kladno (Czech Republic)</i>
Axt-Fliedner R., <i>Lübeck (Germany)</i>	Jordan J.A., <i>Birmingham, England (UK)</i>
Basta A., <i>Krakow (Poland)</i>	Kaplan B., <i>Petach Tikva (Israel)</i>
Bender H.J., <i>Dusseldorf (Germany)</i>	Kralj B., <i>Ljubljana (Slovenia)</i>
Bhattacharya N., <i>Calcutta (India)</i>	Lalonde A.B., <i>Ottawa (Canada)</i>
Bonilla Musoles F., <i>Valencia (Spain)</i>	Markowska J., <i>Poznan (Poland)</i>
Charkviani T., <i>Tbilisi (Georgia)</i>	Marth C., <i>Innsbruck (Austria)</i>
Dargent D., <i>Lyon (France)</i>	Meden-Vrtovec H., <i>Ljubljana (Slovenia)</i>
Dexeus S., <i>Barcelona (Spain)</i>	Ohara N., <i>Kobe (Japan)</i>
Di Paola G., <i>Buenos Aires (Argentina)</i>	Papadopoulos N., <i>Alexandroupolis (Greece)</i>
Eskes T.K.A.B., <i>Nijmegen (The Netherlands)</i>	Rakar S., <i>Ljubljana (Slovenia)</i>
Franchi M., <i>Verona (Italy)</i>	Sciarra J.J., <i>Chicago, IL (USA)</i>
Friedrich M., <i>Homburg (Germany)</i>	Stelmachow J., <i>Warsaw (Poland)</i>
Gomel V., <i>Vancouver (Canada)</i>	Varras M.N., <i>Athens (Greece)</i>
Gorins A., <i>Paris (France)</i>	Vîrtej P., <i>Bucharest (Romania)</i>
	Winter R., <i>Graz (Austria)</i>

*Publishing Organization (M. Morsani):*

I.R.O.G. CANADA, Inc. - 4900 Côte St-Luc - Apt # 212 - Montréal, Qué. H3W 2H3 (Canada)  
Tel. +514-4893242 - Fax +514-4854513 - E-mail: canlux@mgroun-online.com - www.irog.net

*Editorial Office (M. Critelli):*

Galleria Storione, 2/A - 35123 Padua (Italy) - Tel. (39) 049 8756900 - Fax (39) 049 8752018

CLINICAL AND EXPERIMENTAL OBSTETRICS AND GYNECOLOGY (ISSN 0390-6663) publishes original work, preferably brief reports, in the fields of Gynecology, Obstetrics, Fetal Medicine, Gynecological Endocrinology and related subjects. (Fertility and Sterility, Menopause, Uro-gynecology, Ultrasound in Obstetrics and Gynecology, Sexually Transmitted Diseases). The Journal is covered by **INDEX MEDICUS, MEDLINE, EMBASE/Excerpta Medica**.

CLINICAL AND EXPERIMENTAL OBSTETRICS AND GYNECOLOGY is issued every three months in one volume per year by IROG CANADA Inc. Montréal. Printed in Italy by "La Garangola", Tipografia Editrice - Via E. Dalla Costa, 6 - 35129 Padova (Italy).

# Clinical and Experimental Obstetrics and Gynecology

www.irog.net

## General Information

CLINICAL AND EXPERIMENTAL OBSTETRICS AND GYNECOLOGY (ISSN 0390-6663) publishes original peer-reviewed work, preferably brief reports, in the fields of Gynecology, Obstetrics, Fetal Medicine, Gynecological Endocrinology, Fertility and Sterility, Menopause, Uro-gynecology, Ultrasound diagnosis in Obstetrics and Gynecology, Sexually transmitted diseases and related topics. It is indexed in INDEX MEDICUS, MEDLINE, EMBASE/Excerpta Medica.

### AIMS AND SCOPE

Since its inception, the *CLINICAL AND EXPERIMENTAL OBSTETRICS AND GYNECOLOGY Journal* has had the primary aim to assemble and diffuse scientific researches, particularly original researches, contributions, reviews, and proceedings of meetings in every field of the Discipline.

Today its large diffusion all over the world allows us to collect high quality papers and clinical reports on many interesting studies from every country, even from developing countries. This is the target goal of the Journal – aiming at the diffusion of knowledge and advances in female genital diseases.

This publication tries to cover all aspects of obstetrics and gynecology in an interdisciplinary approach among gynecologists, epidemiologists, pathologists, oncologists, radiologists, microbiologists, surgeons, urologists, neonatologists, genetists and so on.

The first target goal of the Journal is to publish **high quality papers** in the **shortest time possible**. Research papers, editorial reviews, case reports, technical notes, book reviews and letters to the Editor are published.

**ANNOUNCEMENTS** regarding meetings, postgraduate courses and symposia will be accepted 6 months before publication and will be published free of charge.

**BOOK SAMPLES** for review should be sent to the Editorial offices in Montréal or in Padova.

**COPYRIGHT:** the Journal has been registered with the Copyright Clearance Center, Inc. Reproductions are not allowed without the written consent of the Publisher. All photocopy fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA stating the ISSN number, the volume and the first and last page numbers of each article copied.

**ADVERTISING INFORMATION:** advertising orders and inquiries may be sent to: I.R.O.G. CANADA Inc., Publisher, 4900 Côte St. Luc, Apt. 212, Montréal (Quebec) Canada H3W 2H3, Tél. 514.4893242-4893640 - Fax 514.4854513 - E-mail: canlux@mgrouop-online.com - www.irog.net

**RESPONSIBILITY:** although every effort is made by the editorial staff and the printer to eliminate misleading or inaccurate information, the publisher accepts no responsibility for the consequences of faultful or incorrect information. The authors recognize that the editor and publisher have no responsibility and are indemnified against any liability or claim that may result from the publication of misleading or incorrect data.

### SUBSCRIPTION INFORMATION

The Journal is issued every three months (January, April, July and October); one volume per year. Subscriptions start from January and are automatically renewed if not cancelled by the end of September.

Subscriptions include four issues per year plus supplements and monographs and all official communications of Meetings, Courses, Symposia and all scientific activities in the fields of *Obstetrics and Gynecology* and related topics.

**Subscriptions are entered with prepayment only.** The annual subscription is \$280 US for Institutions and \$170 US for Individuals all over the world. For air mail add \$20. Single copies prepaid cost \$75.00 US.

Send subscription requests with cheque or credit card payment (Amex - Visa - Diners - Master Card) to I.R.O.G. CANADA Inc., 4900 Côte St. Luc, Apt. 212, Montréal, Québec H3W 2H3, Canada. **Only US Funds are accepted.**

**Claims** for missing issues can be honored up to six months. **Changes of address:** allow six weeks for all changes to become effective. All communications should include both old and new addresses (with postal codes) - better if accompanied by a mailing label from a recent issue and should be sent to the printer La Garangola, Via E. Dalla Costa, 6 - 35129 Padova (Italy) - also by Tel. +39.049.8075557, Fax +39.049.7806580. Claims should be made within six months of publication date. Duplicate copies will not be sent to replace those undelivered through failure to notify of change of address.

**Single copies** and back issue and volume information is available from the printer La Garangola, Padua, Tel. +39.049.8075557, Fax +39.049.7806580. Certain back issues may only be available as photocopies of the originals.

All other business correspondence including orders for offprints and advertising space and **any communication and requests should be addressed to** I.R.O.G. CANADA Inc., 4900 Côte St. Luc, Apt. 212, MONTRÉAL, QUÉBEC H3W 2H3 (Canada), Tel. (514) 4893242, fax (514) 4854513.

IN ALL LEGAL MATTERS THE COURT OF MONTREAL IS COMPETENT.

# Clinical and Experimental Obstetrics and Gynecology

www.irog.net

## Instructions to Authors

### SUBMISSION OF MANUSCRIPTS

Papers should be submitted to A. ONNIS Editor-in-Chief, 4900 Côte St. Luc, Apt. 212 MONTREAL, QUÉBEC H3W 2H3 (Canada) - Tel. +514-4893242 - Fax +514-4854513 - Galleria Storione 2/A - 35123 PADOVA (Italy) - Tel. +39-049-8756900 - Fax +39-049-8752018. The new section "Assisted conception and reproductive biology" will be led by J.H. Check, Editor-in-Chief. Address: Reproductive and Medical Endocrine Associates P.C. (Attention: Laurie Aurand), 7447 Old York Road, Melrose Park, PA 19027. Telephone Number: 215 635-4400, Fax Number: 215 635-2304, email: Lauriecivf.com.

When a manuscript is submitted, an acknowledgement card is sent to the corresponding author within two or three weeks.

Submitted papers are reviewed by the Editor-in-Chief and his Peer Referees. Authors may be required to modify the manuscript according to the reviewers' suggestions.

Manuscripts accepted for publication will be copyedited by the editorial staff for typographical and grammatical mistakes and to guarantee clarity and conciseness.

**Publication time will be the shortest possible** based on scientific and publishing needs. **Manuscripts submitted for publication cannot be returned.**

Published papers will become property of the Journal and copyrighted under I.R.O.G. CANADA Inc.

After six months no grievances will be accepted regarding published articles.

All statements are the responsibility of the authors. Product dosages, indications and methods referred to in the papers reflect the author's experience. No responsibility is assumed by the Editor-in-Chief or the Publisher for any damage from use of any products, operation methods or instructions contained in the published materials.

Trade names, trademarks, etc. are protected by the law and regulations. The Editor-in-Chief and the Publisher cannot accept any legal responsibility for any errors or omissions that may be made in press, particularly for information about drug dosage and application thereof contained in the Journal. Consult the prescribing information before administering any drug.

### MANUSCRIPT REQUIREMENTS

The Journal follows the "Uniform requirements for manuscripts submitted to biomedical journals" published in the *New England Journal of Medicine* 1991, 324, 424-8 and in the *British Medical Journal* 1991, 302.

**The manuscripts must be sent by mail and never by e-mail.**

Three *manuscripts*, typed and double spaced should be submitted **with an electronic disk, formatted in Word for Macintosh or Windows, version 6.0**. Manuscripts without an electronic disk will not be accepted. **A cover letter signed by all authors must state that all authors who have participated in the work take responsibility for the manuscript which has never been published or submitted for publication elsewhere.** Without a cover letter the publication will not be possible. Name, address and phone/fax numbers of the *Corresponding Author*, responsible for revision and approval of the proofs, should be indicated. Full-length **articles** should not exceed 8 printed pages including tables and references.

After the *title page* (full title and names of authors, institutions, eventual acknowledgement for financial support, running title of no more than 60 characters or spaces), original works should be arranged in the conventional order: **Summary** (*purpose of investigation, methods, results, conclusion - about 150 words*), **Key words**, **Content** (a 20-word summary), **Introduction**, **Materials and Methods**, **Results**, **Discussion**, **Conclusion**, **Acknowledgement** (if any), **References**, **Tables**, **Legends**.

Authors should supply a complete address for reprint requests.

In the text only standard abbreviations can be used and must be avoided in the title. The full term for which an abbreviation stands should precede its first use in the summary and text unless it is a standard unit of measurement.

**Authors** must give their complete professional identifications and affiliations, including all academic titles and positions.

**Letters to the editor** should be brief (500 words or less) and offer objective, constructive and educational criticism of published material. The editor reserves the right to publish.

**Figures:** Two original copies (not negatives) of each figure are requested. Each figure should have a label on the back indicating its number, author's name and top of the figure. Do not write on the back of the figures and do not mount them on cardboard. **If sending colour pictures advise if they must be printed in colour or black and white (colour costs ten times more).**

**Legends** should be typed on a separate page with Arabic numerals corresponding to the illustrations.

**Tables** should be titled, typed in double space on separate pages and numbered in Arabic numerals in the order of their first citation in the text. Do not use internal rules. Only standard, universally understood abbreviations should be used.

**References** should be numbered consecutively in the order in which they are first mentioned in the text. Identify references in the text, tables, and legends by Arabic numerals in parentheses.

Use the style of the examples below, which are based with slight modifications on the format used by the U.S. National Library of Medicine in *Index Medicus*. The titles of journals should be abbreviated according to the style used in *Index Medicus*.

References must be verified by the Author(s) against the original documents.

Examples of correct forms of references are given below:

**Articles in Journals:** Authors' surname and initials (if more than six names, give six followed by "et al."), Title, Abbreviated Journal Title, Year of Publication, Volume, Issue and first page.

**Books:** Authors' surname and initials, title of the book and title of chapter, in: Title, Editor(s), Place, Publisher, Year, Page.

**Acknowledgments** will be limited to appropriate professionals who were contributors to the paper.

**PROOFS** revised by the editorial staff will be sent to the corresponding author and should be checked and returned within ten days. The corresponding author is responsible for detecting typesetting errors. After this deadline **the proofs will be considered approved**. Only essential corrections should be made; extensive changes will be charged to the authors.

### BUSINESS MATTERS

The Journal has no commercial advertisements.

**Authors will be expected to contribute to the printing expenses, tables, figures and postage.** For every published article a copy of the Journal will be provided free of charge. **Only payments in US dollars will be accepted.** No bank transfers.

**Reprints** should be requested with the form enclosed with the acceptance letter. No free reprints will be supplied.

## REVIEW ARTICLE

### Upper body venous thrombosis associated with ovarian stimulation: Case report and review of the literature 149

A. Mancuso, A. De Vivo, G. Fanara, R. Di Leo, A. Toscano - *Messina, ITALY*

Description of a case of cerebral venous thrombosis as a complication of ovarian stimulation and analysis of the recent literature.

## ORIGINAL ARTICLES

### Reproductive Biology Section

### Matched control study of efficacy of lymphocyte immunotherapy in donor oocyte recipients to support or refute the concept of need for histocompatibility antigen sharing of the couple for benefits 155

J.H. Check, J.R. Liss, A. Diantonio, M.L. Check, M. Duroseau - *Camden, NJ (USA)*

The fact that lymphocyte immunotherapy significantly improved live delivery rates in recalcitrant donor oocyte recipients suggests that histocompatibility antigen sharing between male and female partners may not be the major mechanism for the need of immunotherapy.

### Predictors of intracytoplasmic sperm injection (ICSI) outcome in couples with and without male factor infertility 158

B. Vural, K. Sofuoglu, E. Caliskan, N. Delikara, E. Aksoy, H. Uslu, A. Karan - *Kocaeli, TURKEY*

Leucocytospermia, hCG-day E2 level and endometrial thickness, sperm morphology, embryo quality are predictors of implantation, clinical pregnancy and live birth rate following ICSI.

### General Section

### Safety of nelfinavir use during pregnancy. An experimental approach in rats 163

C.V. Mathias, C.F.V. Mathias, M.J. Simões, A.M. Amed, R.S. Simões, R.M. Oliveira-Filho, L. Kulay Jr. - *São Paulo, SP (Brazil)*

Only doses of nelfinavir used during the entire gestation well above the usual human doses could be considered potentially hepatotoxic for pregnant rats.

### EGF and IGF-I as predictors of ICSI outcome in human preimplantation embryo cultures 166

D. Loutradis, G.A. Koussidis, R. Bletsas, S. Milingos, A. Antsaklis, S. Michalas - *Athens, GREECE*

One-third of human embryo cultures at 48 hours secrete EGF. EGF-negative embryos are associated with lower pregnancy rates.

### Microsurgery versus laparoscopy in distal tubal obstruction hysterosalpingographically or laparoscopically investigated 169

B. Mossa, A. Patella, V. Ebano, E. Pacifici, S. Mossa, R. Marziani - *Rome, ITALY*

Laparotomy plus microsurgery and laparoscopy are equally effective in restoring fertility in women with comparable tubal damage but severity of the damage is a critical factor for the results.

### Comparison of clinical diagnosis and microbiological test results in vaginal infections 172

M. Karaca, A. Bayram, M.E. Kocoglu, A. Gocmen, F. Eksi - *Bolu, TURKEY*

The accuracy of clinical diagnoses of vaginal infections in 67 women was compared with microbiological test results. The rate of accurate clinical diagnoses confirmed by the microbiological test results was 43.2%, and 28 (41.8%) cultures revealed no growth. It is concluded that clinical diagnoses of vaginal infection should be confirmed by microbiological test results.

### Serum cystatin C in pregnant women: Reference values, reliable and superior diagnostic accuracy 175

Z. Babay, J. Al Wakeel, M. Addar, A. Mittwalli, N. Tarif, D. Hammad, N. Ali, A. Al Askar, A.R. Choudhary - *Riyadh (KSA)*

A prospective study on cystatin C as a reliable, accurate and minimally invasive marker of glomerular filtration rate during pregnancy is presented.

### Sex-induced cystitis - patient burden and other epidemiological features 180

C. Stamatiou, C. Bovis, P. Panagopoulos, G. Petrakos, A. Economou, A. Lycoudt - *Piraeus, GREECE*

The current study was undertaken to investigate the patient burden, frequency rate and epidemiological features of sex-induced cystitis (SIC).

	147
<b>The significance of detailed examination of hemorrhoids during pregnancy</b>	183
M. Gojnic, V. Dugalic, M. Papic, S. Vidaković, S. Milićević, M. Pervulov - <i>Belgrade, SERBIA AND MONTENEGRO</i>	
Detailed examination of hemorrhoids during pregnancy is very important for the differential diagnosis with other possible pathologies. Rectoscopy revealed three cases of rectal carcinoma with adequate treatment.	
<b>Influence of a decisional tree on the route of hysterectomy for benign disease in Italy: Personal experience</b>	185
D. Dodero, A. Corticelli, L. Pedretti - <i>Genoa, ITALY</i>	
The aim of this work was mainly to introduce a decisional tree for the route of hysterectomy. Vaginal hysterectomy is better than the abdominal route in terms of morbidity and hospital costs.	
<b>Factors influencing the initiation and progress of breastfeeding in Greece</b>	189
M. Daglas, E. Antoniou, G. Pitselis, G. Iatrakis, G. Kourounis, G. Creatsas - <i>Athens, GREECE</i>	
The study aimed to investigate the factors associated with the initiation, progress and duration of breastfeeding in Greece from 1996 to 2000.	
<b>Efficacy of prophylaxis in women with sex induced cystitis</b>	193
C. Stamatiou, G. Petrakos, C. Bovis, P. Panagopoulos, A. Economou, C. Karkanis - <i>Piraeus, GREECE</i>	
The current study was undertaken to compare post-intercourse versus the conventional bedtime given use of an antimicrobial agent for the treatment of sexually induced recurrent cystitis.	
<b>CASE REPORTS</b>	
<b>Asymptomatic struma ovarii: A case report</b>	197
M.G. Porpora, D. Pallante, A. Ferro, P.L. Alò, E.V. Cosmi - <i>Rome, ITALY</i>	
A 39-year-old woman underwent laparoscopy for an asymptomatic ovarian mass. Histological examination revealed a silent struma ovarii.	
<b>Pregnancy complicated with pulmonary lymphangiomyomatosis: Case report</b>	199
M. Fujimoto, N. Ohara, H. Sasaki, T. Funakoshi, H. Morita, M. Deguchi, T. Maruo - <i>Kobe, JAPAN</i>	
A case of pulmonary lymphangiomyomatosis in a 30-year-old pregnant woman is reported.	
<b>Hyperemesis or stomach carcinoma in pregnancy - a true diagnosis with two lives saved: A case report</b>	201
M. Gojnic, V. Dugalic, S. Vidaković, M. Papic, S. Milićević, M. Pervulov - <i>Belgrade, SERBIA AND MONTENEGRO</i>	
A case of stomach carcinoma during pregnancy is described in which the accurate diagnosis allowed the lives of both the mother and baby to be saved.	
<b>Ruptured heterotopic pregnancy with successful obstetrical outcome: A case report and review of the literature</b>	203
I. Korkontzelos, N. Antoniou, Th. Stefanos, I. Kyparos, S. Lykoudis - <i>Ioannina, GREECE</i>	
A case of a heterotopic pregnancy in a natural cycle treated by laparotomy with successful obstetrical outcome is reported.	
<b>Abdominal rectus muscle sheath abscess after spontaneous vaginal delivery. A case report</b>	207
Ger. Koutsougeras, D. Karamanidis, P. Nikolaou, G. Chimonis, Ap. Byros - <i>Alexandroupolis, GREECE</i>	
Abscess formation in the abdominal rectus muscle sheath may complicate spontaneous normal vaginal labour after ascending contamination via the lymphatic vessels.	