

# CLINICAL AND EXPERIMENTAL OBSTETRICS & GYNECOLOGY

an International Journal

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# Clinical and Experimental Obstetrics and Gynecology

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## EDITORIAL ARTICLES

- Sperm may be associated with subfertility independent of oocyte fertilization** 5  
 J.H. Check - *Camden, NJ (USA)*  
 In vitro fertilization-embryo transfer seems to be an effective treatment for unexplained infertility. Some IVF centers always perform intracytoplasmic sperm injection in these circumstances being concerned that fertilization failure may occur by conventional oocyte insemination.
- Selective estrogen receptor modulator and selective progesterone receptor modulator: Therapeutic efficacy in the treatment of uterine leiomyoma** 9  
 N. Ohara - *Kobe, JAPAN*  
 Therapeutic efficacy and risks of SERM and SPRM in the treatment of uterine leiomyoma are discussed.

## ORIGINAL ARTICLES

### Assisted Reproduction Section

- Miscarriage in the first trimester according to the presence or absence of the progesterone-induced blocking factor at three to five weeks from conception in progesterone supplemented women** 13  
 J.H. Check, E. Levin, A. Bollendorf, J. Locuniak - *Camden, NJ (USA)*  
 The absence of the immunomodulatory protein, progesterone-induced blocking factor, in the early first trimester, despite progesterone supplementation, is associated with a trend for a high miscarriage rate.
- Non-homogeneous hyperechogenic echo pattern three days after frozen embryo transfer is associated with lower pregnancy rates** 15  
 J.H. Check, C. Dietterich, A. Nazari, D. Lurie, J.K. Choe, M.L. Check - *Camden, NJ (USA)*  
 A non-hyperechogenic echo pattern seen by sonography three days after embryo transfer of thawed-cryopreserved embryos is associated with lower viable pregnancy rates.
- Frozen embryo transfer outcome according to reason for freezing the embryos** 19  
 D. Horwath, J.H. Check, J.K. Choe, C. Wilson, J. Amui - *Camden, NJ (USA)*  
 Frozen embryos obtained from women failing to conceive in their fresh transfer result in lower pregnancy rates.
- Lymphocyte immunotherapy can improve pregnancy outcome following embryo transfer (ET) in patients failing to conceive after two previous ET** 21  
 J.H. Check, J.R. Liss, M.L. Check, A. Diantonio, M. Duroseau - *Camden, NJ (USA)*  
 Lymphocyte immunotherapy seemed to improve outcome following either fresh or frozen embryo transfer in women who had previously failed to have a live delivery in at least two previous attempts.

### General Section

- Transcervical hysteroscopic myomectomy: long-term effects on abnormal uterine bleeding** 23  
 R. Marziani, B. Mossa, V. Ebano, G. Perniola, J. Melluso, C. Napolitano - *Rome, ITALY*  
 Transcervical hysteroscopic resection of submucous myomas is effective for control of abnormal uterine bleeding. Further studies are needed to define the value of such procedure in the treatment of infertility.
- Lysosomal evaluation of endometrioma capsule epithelium and endometrium of patients with or without endometriosis** 27  
 E.V. von Adamek, M.J. Simões, V. Freitas, M.T. Patriarca, J.M. Soares Jr., E.C. Baracat - *São Paulo, BRAZIL*  
 Variations in the number of lysosomes may underlie the pathogenesis of endometriosis.
- Laparoscopy treatment of adnexal sterility** 31  
 J. Popović, V. Sulović, D. Vučetić - *Beograd, SERBIA AND MONTENEGRO*  
 Results on conception and parturition rates following laparoscopic treatment of adnexal sterility are presented.
- Bacterial infections - the cause of preterm delivery** 35  
 M. Gojnic, M. Pervulov, V. Boskovic, A. Fazlagic, T. Mostic, A. Stefanovic, S. Vidakovic - *Belgrade, SERBIA AND MONTENEGRO*  
 Bacterial causes of preterm delivery were analyzed. Bacterial analysis was performed in women hospitalized who had preterm or term deliveries.
- Factors associated with initiation and duration of breastfeeding in Greece** 37  
 E. Antoniou, M. Daggas, G. Iatrakis, G. Kourounis, G. Greatsas - *Athens, GREECE*  
 A study on breastfeeding in Greece.
- Serum leptin and erythropoietin during menstruation** 41  
 Th. Stefanos, A. Sotiriadis, G. Tsanadis, G. Hasiotis, E. Papanicolaou, K. Seferiadis - *Ioannina, GREECE*  
 The levels of leptin and erythropoietin are not increased but they have an inverse correlation during the first days of the menstrual cycle with a probable action on the endometrium.
- The use of tramadol and morphine for pain relief after abdominal hysterectomy** 45  
 S. Kocabas, S. Karaman, E. Uysallar, V. Firat - *Karsiyaka-Izmir, TURKEY*  
 The clinical benefit in using the combination of a tramadol infusion and morphine PCA was demonstrated in patients undergoing abdominal hysterectomy.

- Recurrent miscarriage associated with antiphospholipid antibodies: Prophylactic treatment with low-dose aspirin and fish oil derivatives** 49  
 G. Carta, P. Iovenitti, K. Falciglia - *L'Aquila, ITALY*  
 Antiphospholipid antibodies are associated with poor obstetrical outcome such as recurrent spontaneous abortion (RSA), fetal death, growth retardation and early preeclampsia. Most of the clinical manifestations of antiphospholipid antibody (APA) syndrome can be related to thrombotic events. Low-dose aspirin and fish oil derivatives have an antithrombotic effect. The aim of this study focuses on evaluating the effect of these two different therapeutical protocols in patients with RSA associated with APA syndrome. The data show that no significant differences exist between groups in terms of pregnancy outcome.
- Cervix cancer screening among Greek and immigrant women: the experience of a Greek District Hospital** 52  
 E. Paraskevopoulou, A. Economou, P. Panagopoulos, M. Zikopoulos, G. Petrakos, I. Koutras - *Piraeus, GREECE*  
 To explore whether there are differences in Pap smear screening between native and immigrant women that attended an outpatient clinic with scheduled appointments (not urgent).
- Delivery and immigration: the experience of a Greek Hospital** 55  
 P. Panagopoulos, G. Tsoukalos, A. Economou, M. Zikopoulos, I. Koutras, G. Petrakos, M. Pachakis - *Piraeus, GREECE*  
 The aim of this retrospective study was to investigate differences regarding the mode of delivery between Greek and immigrant women.
- Effect of depleted uranium weapons used in the Balkan war on the incidence of cervical intraepithelial neoplasia (CIN) and invasive cancer of the cervix in Greece** 58  
 K. Papatthanasiou, C. Gianoulis, A. Tolikas, D. Dovas, J. Koutsos, N. Fragedakis, N. Papatthanasiou - *Thessaloniki, GREECE*  
 The increase in the incidence of precancerous lesions of the cervix in areas near the borders with the former Yugoslavia during the last three years may be influenced by environmental factors such as exposure to depleted uranium due to the bombings of 1999.
- Artificial fetal lung maturation - prevention of antenatal complications in premature deliveries** 61  
 M. Gojnic, M. Pervulov - *Belgrade, SERBIA AND MONTENEGRO*  
 The causes of premature child mortality and morbidity are in the first line respiratory distress syndrome (RDS), then intraventricular hemorrhage (IVH), sepsis and necrotic enterocolitis (NE).
- Perinatal outcome in multiple pregnancies - spontaneous gestation versus** 65  
 M. Gojnic, K. Jeremic, V. Boskovic, A. Fazlagic, A. Stefanovic, M. Pervulov - *Belgrade, SERBIA AND MONTENEGRO*  
 We have analyzed 240 patients with gemellar pregnancies, divided into two groups (IVF group and control group). Statistical evaluation of differences between groups was performed by Z test, Student T test and HI quadrant test with Jets correction. We have found that IVF twin pregnancies do not have greater risk for maternal complications during pregnancy than "spontaneous" twin pregnancies.
- Managing anemia in gynecologic surgery with postoperative administration of recombinant human epoetins** 68  
 G.S. Kourounis, G.D. Michail, G.L. Adonakis - *Patras, GREECE*  
 By facilitating postoperative recovery recombinant human epoetin alpha can aid in the postoperative treatment of anemic women undergoing major gynecologic surgery.
- Epidemiology of congenital anomalies in different ethnicities** 71  
 P. Anastasiadis, P. Tsikouras, K. Dafopoulos, V. Liberis, G. Galazios, N. Koutlaki - *Alexandroupolis, GREECE*  
 There is probably a higher prevalence of major congenital anomalies in Muslims as compared to Christians in Thrace, Greece, although the potential causes can not be determined.

## CASE REPORTS

- Live delivery following transfer of a single frozen-thawed embryo derived from a 42-year-old woman with marked decreased oocyte reserve** 75  
 J.H. Check - *Camden, NJ (USA)*  
 This is the first report of a live delivery following frozen embryo transfer in a woman of advanced reproductive age with marked decreased reserve.
- Isotretinoin (Ro-Accutane) teratogenesis. A case report** 78  
 C.H. Giannoulis, K. Papatthanasiou, T.H. Tantanasis, V. Vaitisi, I. Tzafettas - *Thessaloniki, GREECE*  
 A case of teratogenesis in a 16-year-old pregnant patient is described. She had been using 60 mg of Ro-Accutane daily till the 16<sup>th</sup> week of gestation.
- Ectopic missed abortion after laparoscopic sterilization with the harmonic scalpel** 79  
 N. Dalkalitsis, S. Stefos, P. Tsirkas, G. Tsanadis, A. Sotiriadis, V. Dousias - *Ioannina, GREECE*  
 A case of ectopic missed abortion where tubal sterilization with a harmonic scalpel had been performed a year before is presented.

## ERRATA - CORRIGE

- Social aspects of the new assisted reproduction technologies: Attitudes of Israeli gynecologists** - B. Kaplan, R. Orvietob, Y. Yogev, Y. Simon - *Tel-Aviv, ISRAEL and Grenoble II, FRANCE*  
 Vol. XXXI, n. 4, 2004, pag. 285  
*Errata:* R. Orvietob - *Corrige:* R. Orvietob