

# Table of contents 2020

**VOL 91, NO 1**

## **ORIGINAL PAPERS GYNECOLOGY**

**Transvaginal salpingo-oophorectomy with gasless laparoscopy — an optional pure natural orifice transluminal endoscopic surgery**

Tingting Liu, Yinghan Chen, Xinyou Wang..... 1

**Adjuvant therapy for early endometrial cancer — who benefits the most from a radiation therapy?**

Marcin Michalak, Zaneta Warenczak-Florczak, Agnieszka Staszewska-Nowak, Andrzej Roszak..... 6

**Principal component analysis and internal reliability of the Polish version of MESA and UDI-6 questionnaires**

Pawel Kieres, Jakub Mlodawski, Marta Mlodawska, Marcin Misiek, Tomasz Rechberger, Wojciech Rokita ..... 13

## **ORIGINAL PAPERS OBSTETRICS**

**Comparison of eleven commonly used formulae for sonographic estimation of fetal weight in prediction of actual birth weight**

Magdalena Plonka, Marta Bociaga, Malgorzata Radon-Pokracka, Magdalena Nowak, Hubert Huras ..... 17

**Antenatal depression and anxiety in primiparous Polish mothers and fathers**

Eliza Kiepusa, Grazyna Kmita..... 24

**Small invasive technique of Internal Iliac Artery ligation for postpartum haemorrhage**

Grzegorz Raba ..... 29

## **REVIEW PAPERS GYNECOLOGY**

**Human papilloma virus-related premalignant and malignant lesions of the cervix and anogenital tract in immunocompromised women**

Aleksandra A. Wielgos, Bronislawa Pietrzak..... 32

## **REVIEW PAPERS OBSTETRICS**

**Epidemiology, prevention and management of early postpartum hemorrhage — a systematic review**

Stepan Feduniw, Damian Warzecha, Iwona Szymusik, Mirosław Wielgos..... 38

**Endometrial microbiota — do they mean more than we have expected?**

Natalia Młodzik, Krzysztof Łukaszuk, Włodzimierz Sieg, Grzegorz Jakiel, Roman Smolarczyk ..... 45

## **CLINICAL VIGNETTE**

**Lack of connection between the uterine cervix and corpus in an adolescent treated in childhood for teratoma of the ovary**

Milena Kowalewska, Marcin Sniadecki, Marcin Liro, Adam Ostrowski, Dariusz Wydra ..... 49

## VOL 91, NO 2

### ORIGINAL PAPERS GYNECOLOGY

- Modified autologous transobturator tape surgery — evaluation of short term results**  
Alkan Cubuk, Fatih Yanaral, Metin Savun, Ali Ayranci, Akif Erbin, Ozgur Yazici, Mehmet Fatih Akbulut, Omer Sarilar..... 51
- Efficacy and prognostic factors of concurrent chemoradiotherapy in patients with stage Ib3 and IIa2 cervical cancer**  
Tingting Liu, Weimin Kong, Yao Liu, Dan Song..... 57
- The effect of lymph node metastasis on overall survival and disease-free survival in vulvar cancer patients**  
Volkan Karataşlı, Selçuk Erkılınc, İlker Çakır, Behzat Can, Tuğba Karadeniz, Mehmet Gökçü, Muzaffer Sancı ..... 62
- Clinicopathological factors of pelvic lymph nodes involvement in advanced serous ovarian cancer**  
Szymon Piatek, Ksawery Golawski, Grzegorz Panek, Mariusz Bidzinski, Mirosław Wielgos ..... 68
- Increased osteopontin expression in endometrial carcinoma is associated with better survival outcome**  
Haneen Al-Maghrabi, Wafaey Gomaa, Jaudah Al-Maghrabi ..... 73

### ORIGINAL PAPERS OBSTETRICS

- Non-nutritional “paramedical” usage of human milk — knowledge and opinion of breastfeeding mothers in Poland**  
Karolina Karcz, Julia Makuch, Mateusz Walkowiak, Igor Olejnik, Barbara Krolak-Olejnik..... 79
- Can coffee consumption be used to accelerate the recovery of bowel function after cesarean section? Randomized prospective trial**  
Sezen Bozkurt Koseoglu, Melike Korkmaz Toker, Ismail Gokbel, Ozgu Celikkol, Kemal Gungorduk ..... 85
- Mode of anesthesia for cesarean delivery with pernicious placenta previa — a retrospective study**  
Xingxing Liu, Yuhang Zhu, Di Ke, Dexing Liu, Zhaoqiong Zhu ..... 91
- Unscarred uterine rupture and subsequent pregnancy outcome — a tertiary centre experience**  
Nurullah Peker, Edip Aydın, Mehmet Siddik Evsen, Fatma Nur Hançer, Muhammet Hanifi Bademkiran, Serhat Ege, Bekir Kahveci, Talip Karaçor, Talip Gül..... 95

### CLINICAL VIGNETTE

- Ultrasound evaluation of a bilobed placenta with ‘battledore cord insertion’ — a report of an unusual case**  
Sylwia Dabkowska, Grzegorz Panek, Julia Bijok, Michal Ciebiera, Tomasz Roszkowski ..... 100
- Unusually high plasma values of many tumour markers in a patient with idiopathic pulmonary fibrosis**  
Leszek Gottwald, Mateusz Pajdzinski, Wojciech J. Piotrowski, Sebastian Majewski, Piotr Sieroszewski, Jacek Fijuth ..... 101

## VOL 91, NO 3

### ORIGINAL PAPERS GYNECOLOGY

- Factors affecting puberty gingivitis in Polish girls with adolescent idiopathic scoliosis**  
Joanna Glowacka, Justyna Opydo-Szymaczek, Katarzyna Mehr, Grazyna Jarzabek-Bielecka, Jakub Glowacki ..... 103
- Intrauterine ectopic pregnancy — ultrasound typing and treatment**  
Fangyan Jiang, Wenzheng Nong, Haiqing Su, Shuangcheng Yu ..... 111

## ORIGINAL PAPERS OBSTETRICS

### Rudimentary horn pregnancy — ten years of experience

Elif Ağaçayak, Nurullah Peker, Mustafa Yavuz, Fatih Mehmet Fındık, Mehmet Siddik Evsen, Talip Gül..... 117

### Open fetal surgery for myelomeningocele — is there the learning curve at reduction mother and fetal morbidity?

Ewa I. Horzelska, Mateusz Zamlynski, Tomasz Horzelski, Jacek Zamlynski, Agnieszka Pastuszka, Rafal Bablok, Izabela Herman-Sucharska, Tomasz Koszutski, Anita Olejek..... 123

### Application of prenatal ultrasonography and magnetic resonance imaging on fetal agenesis of corpus callosum

Ai-Ping Min, Li-Hua Zou ..... 132

### Effects of blood pressure level management on maternal and perinatal outcomes in pregnant women with mild to moderate gestational hypertension

Lianyun Wang, Wen Ye, Wendong Xiong, Fan Wang..... 137

### Quantitative and qualitative Ductus Venosus blood flow evaluation in the screening for Trisomy 18 and 13 — suitability study

Bartosz Czuba, Malgorzata Nycz-Reska, Wojciech Cnota, Agnieszka Jagielska, Agata Wloch, Dariusz Borowski, Piotr Wegrzyn.... 144

## REVIEW PAPERS GYNECOLOGY

### Minimally invasive surgery for uterine fibroids

Yuehan Wang, Shitai Zhang, Chenyang Li, Bo Li, Ling Ouyang ..... 149

## REVIEW PAPERS OBSTETRICS

### Periodontitis and risk for preeclampsia — a systematic review

Tomasz Konopka, Aneta Zakrzewska..... 158

## RECOMMENDATIONS

### Recommendations of the Group of Experts of the Polish Society of Gynecologists and Obstetricians in the field of gynecological and obstetric care of young women with physical and intellectual disabilities

Agnieszka Drosdzol-Cop, Anna Fuchs, Violetta Skrzypulec-Plinta, Dariusz Radomski, Grazyna Jarzabek-Bielecka, Iwona Czech, Agnieszka Dulaska, Mateusz Szul ..... 165

## CLINICAL VIGNETTE

### Magnetic resonance elastography of a uterine fibroid with massive lymphocytic infiltration — an extremely rare finding

Bogdan Obrzut, Marzanna Obrzut, Tomasz Wasyluk, Marcin Zmuda, Dorota Darmochwal-Kolarz..... 174

**VOL 91, NO 4**

## ORIGINAL PAPERS GYNECOLOGY

### Awareness and practice of ergonomics by gynecological laparoscopists in Turkey

Esra Tamburacı, Barış Mülayim ..... 175

### Presence of human papilloma virus in Caucasian women living in the central Europe diagnosed with vulvar intraepithelial neoplasia

Marta Robenek, Anita Olejek, Lukasz Witek, Aleksandra Augusciak-Duma, Bogna Drozdowska, Iwona Gabriel..... 181

**A comparison between a combination of letrozole and clomiphene citrate versus gonadotropins for ovulation induction in infertile patients with clomiphene citrate-resistant polycystic ovary syndrome — a retrospective study**

Serhat Ege, Muhammed Hanifi Bademkiran, Nurullah Peker, Ali Emre Tahaoğlu, Fatma Nur Hançer Çaçça, Serap Mutlu Özçelik..... 185

**The role of biological markers in predicting infertility associated with non-obstructive endometriosis**

Nicolae Gica, Anca Maria Panaitescu, George Iancu, Radu Botezatu, Gheorghe Peltecu, Corina Gica ..... 189

**Increased risk of endometriosis in patients with endometritis — a nationwide cohort study involving 84,150 individuals**

Kent Yu-Hsien Lin, Cherry Yin-Yi Chang, Wu-Chou Lin, Lei Wan ..... 193

**Smoking reduces ovarian stromal blood flow in polycystic ovary syndrome patients**

Özlen Emekçi Özay, Ali Cenk Özay ..... 201

**ORIGINAL PAPERS  
OBSTETRICS**

**The thiol/disulfide balance in ketone positive and ketone negative pregnant women with nausea and vomiting — a prospective study in a tertiary center**

Serhat Ege, Nurullah Peker, Muhammed Hanifi Bademkiran, Ruşen Köçeroğlu, Özcan Erel, Selami Erdem, Çağdaş Özgökçe, Recep Yıldızhan ..... 207

**Can neutrophil-lymphocyte and platelet-lymphocyte ratios predict threatened abortion and early pregnancy loss?**

Nahit Ata, Mehmet Kulhan, Nur Gozde Kulhan, Can Turkler..... 210

**Mid-trimester ultrasound parameters for predicting birth weight in low risk pregnancies vs high-risk pregnancies complicated with pre-gestational diabetes mellitus**

Anna Gasiorowska, Agnieszka Zawiejska, Piotr Dydowicz, Ewa Wender-Ozegowska, Grzegorz Poprawski, Kinga Tobola-Wrobel, Sandra Radzicka-Mularczyk, Katarzyna Ziolkowska, Marek Pietryga ..... 216

**Myoelectrical activity of muscles stabilizing the sacroiliac joints before and after the use of elastic tapes in women suffering from Pregnancy-related Pelvic Girdle Pain**

Natalia Kuciel, Edyta Sutkowska, Anna Cienska, Dominika Markowska, Zdzisława Wrzosek ..... 223

**RECOMMENDATIONS**

**Polish Society of Gynecology and Obstetrics statement on safety measures and performance of ultrasound examinations in obstetrics and gynecology during the SARS-CoV-2 pandemic**

Dariusz Borowski, Piotr Sieroszewski, Bartosz Czuba, Renata Jaczynska, Anna Kajdy, Sebastian Kwiatkowski, Marcin Wiechec, Agnieszka Nocun, Piotr Kaczmarek, Wojciech Cnota, Marek Pietryga, Pawel Basta, Przemyslaw Kosinski, Michal Pomorski, Magda Rybak-Krzyszowska, Piotr Wegrzyn, Mirosław Wielgos, Mariusz Zimmer..... 231

**VOL 91, NO 5**

**ORIGINAL PAPERS  
GYNECOLOGY**

**Comparison of female sexual function and sexual function of their partners between groups of pregnant and non-pregnant women**

Ali Dogukan Angin, Enis Özkaya, Mehtap Çetin, İsmet Gün, Onder Sakin, Lokman Tekin Ertekin, Ramazan Denizli, Kazibe Koyuncu, Emine Eda Akalin..... 235

**The correlation between unexplained infertility and exosomes**

Yıldız Uyar, Melike Özgül, Sevtap Gökalp, Gülay Ok, Ayça Tan, Hafize Seda Vatansever ..... 240

**Folate receptor-mediated cervical staining as an adjunct to colposcopy which can improve the diagnostic accuracy of detecting high grade squamous intraepithelial lesions**

Wojciech Homola, Michal Pomorski, Aleksandra Zimmer, Pawel Baranski, Mariusz Zimmer.....247

**Circulating vaspin levels and nutritional status and insulin resistance in polycystic ovary syndrome**

Grzegorz Franik, Ryszard Plinta, Pawel Madej, Aleksander Owczarek, Maria Bozentowicz-Wikarek, Jerzy Chudek, Violetta Skrzypulec-Plinta, Magdalena Olszanecka-Glinianowicz.....251

**ORIGINAL PAPERS  
OBSTETRICS**

**Nasal bone in screening for Trisomy 18 and 13 at 11–13 + 6 weeks of gestation — own experiences**

Bartosz Czuba, Marek Mączka, Wojciech Cnota, Agata Wloch, Agnieszka Jagielska, Anna Niesluchowska-Hoxha, Dariusz Borowski .....256

**Decorin levels in early- and late-onset preeclampsia**

Gülten Özgen, Gültekin Adanaş Aydın .....262

**Evaluation of predictive value of biochemical markers for adverse obstetrics outcomes in pregnancies complicated by cholestasis**

Milena Guszczynska-Losy, Przemyslaw K. Wirstlein, Ewa Wender-Ozegowska, Malgorzata Kedzia .....269

**REVIEW PAPER  
GYNECOLOGY**

**Ovarian preservation and prognosis in adnexal torsion surgery — a retrospective analysis**

Xiulan Weng, Xi Xie, Chaobin Liu, Xinru Hong, Jingsong Yi .....277

**Application of medical simulation in the education of medical students in the area of gynecology and obstetrics**

Tomasz Klosiewicz, Radoslaw Zalewski, Joanna Faferek, Agnieszka Zawiejska .....281

**REVIEW PAPER  
OBSTETRICS**

**GC-MS as a tool for reliable non-invasive prenatal diagnosis of Smith-Lemli-Opitz syndrome but essential also for other cholesterolopathies verification**

Aleksandra Jezela-Stanek, Anna Siejka, Ewa Magdalena Kowalska, Violetta Hosiawa, Malgorzata Krajewska-Walasek.....287

**CLINICAL VIGNETTE**

**Right-sided ovarian ectopic pregnancy with Jaydess *in situ***

Lukasz Panasowicz, Maja Kufelnicka-Babout, Piotr Sieroszewski.....294

**VOL 91, NO 6**

**ORIGINAL PAPERS  
GYNECOLOGY**

**The pain symptoms and mass recurrence rates after ovarian cystectomy or uni/bilateral oophorectomy procedures in patients over 40 years old with endometriosis**

Sukru Yildiz, Cihan Kaya, İsmail Alay, Huseyin Cengiz, Murat Ekin, Levent Yasar .....295

**A preliminary study on the immune responses of HPV16-E7 by combined intranasal immunization with lymphotoxin**

Ya-Hong Liu, Hai-Lin Chen, Bo-Qun Xu, Kuang Wei, Xiao-Yan Ying.....301

### **Circulating omentin-1 levels and inflammation in polycystic ovary syndrome**

Grzegorz Franik, Marcin Sadlocha, Pawel Madej, Aleksander Owczarek, Violetta Skrzypulec-Plinta, Ryszard Plinta, Jerzy Chudek, Magdalena Olszanecka-Glinianowicz ..... 308

### **The relationship of ovarian endometrioma and its size to the preoperative serum anti-Mullerian hormone level**

Hyungjoon Yoon, Hyunjoo Lee, Seungchul Kim, Jongkil Joo ..... 313

### **Recurrent pregnancy loss and metabolic syndrome**

Nese Gul Hilali, Sibel Sak, Adnan Incebiyik, Hacer Uyanikoglu, Muhammet Erdal Sak, Hatice Incebiyik, Tevvik Sabuncu ..... 320

### **The impact of concurrent HPV infections on the presentation of high grade cervical intraepithelial lesions**

Emine Ozturk, Onur Ince, Ibrahim Karaca, Gokhan Demirayak, Cihan Comba, Ismail Alay, Volkan Sakir Erdogan, Suna Yıldırım Karaca, Isa Aykut Ozdemir ..... 324

## **ORIGINAL PAPERS**

### **OBSTETRICS**

#### **Successful pregnancy in women with inferior vena cava stenosis — case report and discussion**

Marta Janicka, Dagmara Filipecka-Tyczka, Aneta Slabuszewska-Jozwiak, Radoslaw Pietura, Grzegorz Jakiel ..... 331

#### **Expression of CD44 and IL-10 in normotensive and preeclamptic placental tissue**

Mehmet Obut, Süleyman Cemil Oğlak ..... 334

### **REVIEW PAPER**

#### **GYNECOLOGY**

#### **The use of levonorgestrel-releasing intrauterine devices in adolescents — own experience**

Agnieszka Drosdzol-Cop, Iwona J. Czech, Rafal Stojko, Violetta Skrzypulec-Plinta ..... 342

### **REVIEW PAPER**

#### **OBSTETRICS**

#### **The usefulness of periostin determination in gynecology and obstetrics**

Christopher Kobierzycki, Krzysztof J. Latkowski, Piotr Dziegiel ..... 346

## **RECOMMENDATIONS**

### **Recommendations of the Polish Society of Gynaecologists and Obstetricians for removal of the uterus by vaginal, laparoscopic and abdominal routes**

Rafal Stojko, Andrzej Malinowski, Włodzimierz Baranowski, Marcin Misiek, Ewa Winkowska, Michal Pomorski, Mariusz Zimmer ..... 352

### **COLPOSCOPY 2020 — COLPOSCOPY PROTOCOLS A Summary of the Clinical Experts Consensus Guidelines of the Polish Society of Colposcopy and Cervical Pathophysiology and the Polish Society of Gynecologists and Obstetricians**

Robert Jach, Maciej Mazurec, Martyna Trzeszcz, Anna Bartosinska-Dyc, Bartłomiej Galarowicz, Witold Kedzia, Andrzej Nowakowski, Kazimierz Pitynski ..... 362

## **VOL 91, NO 7**

## **ORIGINAL PAPERS**

### **GYNECOLOGY**

#### **Uterine leiomyomas: correlation between histologic composition and stiffness via magnetic resonance elastography — a Pilot Study**

Marzanna Obrzut, Bogdan Obrzut, Marcin Zmuda, Jakub Baran, Marian Cholewa, Richard L. Ehman, Dorota Darmochwał-Kolarz ..... 373

**Retrospective analysis of the diagnostic effectiveness of the sentinel lymph node biopsy (SLNB) in vulvar cancer**

Szymon Piatek, Wojciech Michalski, Malgorzata Benke, Anna Danska-Bidzinska, Mariusz Bidzinski..... 379

**Should the patients with endometriosis be treated as a risk group of pregnancy complications? Single center experience and literature review**

Damian Warzecha, Bronislawa Pietrzak, Iwona Szymusik, Zuzanna Smiech, Miroslaw Wielgos..... 383

**The role of day 0 and day 4  $\beta$ -human chorionic gonadotropin values and initial ultrasound findings in predicting the success of methotrexate treatment in ectopic pregnancy**

Fatma Nurgul Tasgoz, Muzaffer Temur, Betul Dundar, Esra Kartal, Emin Ustunyurt..... 389

**Translation, cultural adaptation, and validation and reliability of assessment of pelvic floor disorders and their risk factors during pregnancy and postpartum questionnaire in Turkish population**

Kazibe Koyuncu, Onder Sakin, Emine Eda Akalin, Munip Akalin, Ali Doğukan Anđın, Yasmin Aboalhasan, Emel Sönmezer..... 394

**ORIGINAL PAPERS  
OBSTETRICS**

**Clinical characteristics and treatment of different types of cesarean scar pregnancy**

Xuai Yin, Shihai Huang..... 406

**REVIEW PAPER  
GYNECOLOGY**

**The role of diet and probiotics in prevention and treatment of bacterial vaginosis and vulvovaginal candidiasis in adolescent girls and non-pregnant women**

Malgorzata Mizgier, Grazyna Jarzabek-Bielecka, Kinga Mruczyk, Witold Kedzia..... 412

**REVIEW PAPER  
OBSTETRICS**

**COVID-19 during pregnancy, delivery and postpartum period based on EBM**

Patrycja Stanczyk, Tomasz Jachymski, Piotr Sieroszewski..... 417

**RECOMMENDATIONS**

**The Polish Society of Gynecologists and Obstetricians statement on surgery in gynecology during the COVID-19 pandemic**

Rafal Stojko, Jakub Staniczek, Anita Olejek, Tomasz Rechberger, Andrzej Malinowski, Michal Pomorski, Mariusz Zimmer..... 424

**Possible deferral of diagnostic and therapeutic procedures for patients with abnormal screening tests results in cervical cancer secondary prevention in current SARS-CoV-2 pandemic Interim guidelines of the Polish Society of Gynecologists and Obstetricians and the Polish Society of Colposcopy and Cervical Pathophysiology**

Robert Jach, Maciej Mazurec, Martyna Trzeszcz, Mariusz Zimmer..... 428

**Polish Society of Gynecologists and Obstetricians recommendation on the use of antiseptics for treatment of inflammatory vaginitis**

Mariusz Zimmer, Hubert Huras, Pawel Kaminski, Agata Karowicz-Bilinska, Krzysztof Drews, Tomasz Fuchs, Michal Pomorski..... 432

**ORIGINAL PAPERS  
GYNECOLOGY**

**TLR family gene expression in relation to the HIF1 $\alpha$  and the VEGFR pathway activation in endometrial cancer**

Katarzyna M. Wojcik-Krowiranda, Ewa Forma, Andrzej Bienkiewicz,  
Lukasz Cwonda, Joanna Wronska-Stefaniak, Magdalena Brys ..... 439

**Ultrasound guided percutaneous radiofrequency thermal ablation of symptomatic uterine fibroids — results from a single center and 52 weeks of follow up**

Gökhan Yüce, Aybuke Tayarar, Hüseyin Levent Keskin, Birgül Genç, Murat Canyigit ..... 447

**Challenges on the morbidly obese endometrial cancer surgery: Laparotomy or laparoscopy, lymphadenectomy or no lymphadenectomy?**

İbrahim Ferhat Urunsak, Ghanim Khatib, Mehmet Ali Vardar, Ahmet Baris Guzel,  
Umran Kucukgoz-Gulec, Sevtap Seyfettinoğlu ..... 453

**ORIGINAL PAPERS  
OBSTETRICS**

**The association between aberrant right subclavian artery and trisomy 21 in a tertiary center in Turkey**

Mete Sucu, Mehmet Ozsurmelil, Erol Arslan, Cansun Demir, Cüneyt Evrüke ..... 460

**The association of the amniotic fluid index (AFI) with perinatal fetal and maternal outcomes in pregnancies complicated by preterm premature rupture of membranes (PPROM)**

Taner Günay, Gamze Erdem, Reyhan Ayaz Bilir, Meryem Hocaoglu, Ozkan Ozdamar, Abdulkadir Turgut ..... 465

**REVIEW PAPER  
OBSTETRICS**

**Ophthalmological problems in pregnancy — a review**

Anna Rzeszotarska, Justyna Szczapa-Jagustyn, Jaroslaw Kociecki ..... 473

**CLINICAL VIGNETTES**

**Interstitial ectopic pregnancy following ipsilateral salpingectomy**

Dariusz Piecha, Dagmara Pluta, Patrycja Pas, Joanna Plonka, Karolina Kowalczyk ..... 478

**Performance of portable handheld ultrasound system in fetal therapy**

Anna Szczepkowska, Michal Lipa, Przemyslaw Kosinski, Miroslaw Wielgos ..... 480

**RECOMMENDATIONS**

**Recommendations of the Group of Experts of the Polish Society of Gynecologists and Obstetricians regarding abnormal uterine bleeding in adolescents**

Agnieszka Drosdzol-Cop, Violetta Skrzypulec-Plinta, Lidia Hinrle,  
Anna Fuchs, Iwona Joanna Czech, Grazyna Jarzabek-Bielecka ..... 482

**Recommendations of the Expert Group of the Polish Society of Gynecologists and Obstetricians regarding gynecological examination and treatment of a minor during the SARS-CoV-2 pandemic**

Agnieszka Drosdzol-Cop, Anna Fuchs, Agnieszka Dulcka, Violetta Skrzypulec-Plinta ..... 488

**Practice guidelines of the Polish Society of Gynecologists and Obstetricians — Ultrasound Section for ultrasound screening in uncomplicated pregnancy — 2020**

Dariusz Borowski, Marek Pietryga, Pawel Basta, Wojciech Cnota, Bartosz Czuba, Mariusz Dubiel, Tomasz Fuchs,  
Hubert Huras, Rafal Iciek, Renata Jaczynska, Piotr Kaczmarek, Przemyslaw Kosinski, Sebastian Kwiatkowski,  
Agnieszka Nocun, Michal Pomorski, Mariola Ropacka-Lesiak, Magda Rybak-Krzyszowska, Piotr Sieroszewski,  
Piotr Wegrzyn, Marcin Wiechec, Miroslaw Wielgos, Mariusz Zimmer ..... 490



**ORIGINAL PAPERS**  
**GYNECOLOGY**

**The impact of competitive sports on menstrual cycle and menstrual disorders, including premenstrual syndrome, premenstrual dysphoric disorder and hormonal imbalances**  
Mariola Czajkowska, Agnieszka Drosdzol-Cop, Beata Naworska, Iwona Galazka, Celina Gogola, Magdalena Rutkowska, Violetta Skrzypulec-Plinta ..... 503

**Subcutaneous rifampicin versus povidone-iodine for the prevention of incisional surgical site infections following gynecologic oncology surgery — a prospective, randomized, controlled trial**  
Özge Kömürçü Karuserci, Özcan Balat ..... 513

**The immune complex p53 protein/anti-p53 autoantibodies in the pathogenesis of ovarian serous carcinoma**  
Aleksandra Mielczarek-Palacz, Justyna Sikora, Zdzisława Kondera-Anasz, Marta Smycz-Kubańska, Aleksandra Englisz, Jarosław Strzelczyk, Jacek Kabut ..... 519

**ORIGINAL PAPERS**  
**OBSTETRICS**

**Are neutrophil to lymphocyte ratio and platelet to lymphocyte ratio clinically useful for the prediction of early pregnancy loss?**  
Süleyman Cemil Oğlak, Mustafa Firat Aydın ..... 524

**Comparison of maternal characteristics, pregnancy course, and neonatal outcome in preterm births with and without prelabor rupture of membranes**  
Joanna Kacperczyk-Bartnik, Pawel Bartnik, Justyna Teliga-Czajkowska, Aneta Malinowska-Polubiec, Agnieszka Dobrowolska-Redo, Ewa Romejko-Wolniewicz, Malgorzata Bienko, Krzysztof Czajkowski ..... 528

**Dehiscence of cesarean section scar during pregnancy and delivery — risk factors**  
Marwan Odeh, Rawan Karwani, Oleg Schnaider, Maya Wolf, Jacob Bornstein ..... 539

**The concentration of insulin-like growth factor-1 in pregnancies complicated by pregnancy-induced hypertension and/or intrauterine hypotrophy**  
Patrycja K. Gazy, Sylwia Marciniak, Helena Slawska, Anita Olejek, Bogdan Mazur ..... 544

**Intrapartum PCR assay is a fast and efficient screening method for Group B Streptococcus detection in pregnancy**  
Maciej Zietek, Joanna Jaroszewicz-Trzaska, Malgorzata Szczuko, Radoslaw Mantiuk, Zbigniew Celewicz ..... 549

**REVIEW PAPER**  
**GYNECOLOGY**

**Supplementation of dehydroepiandrosterone (DHEA) in pre- and postmenopausal women — position statement of expert panel of Polish Menopause and Andropause Society**  
Michał Rabijewski, Lucyna Papierska, Malgorzata Binkowska, Radoslaw Maksym, Katarzyna Jankowska, Violetta Skrzypulec-Plinta, Wojciech Zgliczynski ..... 554

**REVIEW PAPER**  
**OBSTETRICS**

**Impact of COVID-19 on pregnancy and delivery — current knowledge**  
Aleksandra Krupa, Marta Schmidt, Katarzyna Zborowska, Daria Jorg, Mariola Czajkowska, Violetta Skrzypulec-Plinta ..... 563

**CLINICAL VIGNETTES**

**A triplet's ectopic pregnancy in a non-communicating rudimentary horn and spontaneous rupture**  
Wagdy M. Amer, Ahmed Altraigey ..... 569

## Primary non-Hodgkin's lymphoma masquerading as cervical cancer

Gulsah Selvi Demirtas, Mehmet Gokcu, Muzaffer Sancı, Sumeyye Ekmekci, Halil Ibrahim Yıldız ..... 571

## VOL 91, NO 10

### ORIGINAL PAPERS GYNECOLOGY

#### Obesity as a risk factor of in-hospital outcomes in patients with endometrial cancer treated with laparoscopic surgical mode

Slawomir M. Januszek, Edyta Barnas, Joanna Skret-Magierlo, Jakub Sokolowski, Pawel Szczerbe, Rafal Januszek, Wojciech Domka, Krzysztof Piotr Malinowski, Katarzyna Kalandyk-Osinko, Marek Kluza, Aleksandra Bolanowska, Tomasz Kluz ..... 573

#### Contraception counselling during gynecology visit — does a questionnaire help?

Funda Gungor Ugurlucan, Omer Demir, Sema Tas, Ozlem Dural, Cenk Yasa, Onay Yalcin ..... 582

#### Twin pregnancy with a partial hydatidiform mole and a coexistent live fetus. Diagnostic and therapeutic dilemmas. A case report and the review of literature

Malgorzata Gajewska, Aleksandra Zygula, Mirosław Wielgos, Grzegorz Szewczyk ..... 589

#### Is weight just a number? Relationship between overweight, obesity and domains of sexual functioning among young women

Anna Fuchs, Agnieszka Dulcka, Agnieszka Droszol-Cop ..... 595

#### A randomized trial in comparison between planned cesarean and vaginal delivery on twin pregnancy

Yu Tong, Qiang Sun, Xiaoguang Shao, Feng Han ..... 600

### ORIGINAL PAPERS OBSTETRICS

#### Secondary Postpartum Haemorrhage following vaginal delivery — a 3-year survey of causes and management

Dina Akeel Salman, Reshed Zeki Obeid, Zainab Abdul Ameer Jaafar ..... 607

#### The risk of hyperbilirubinemia in term neonates after placental transfusion — a randomized-blinded controlled trial

Joanna P. Seliga-Siwecka, Joanna Puskarz-Gasowska, Justyna Tolloczko ..... 613

### REVIEW PAPER OBSTETRICS

#### Fetal upper mediastinum — normal and abnormal findings in obstetric ultrasound screening

Anna Wojtowicz, Hubert Huras ..... 620

#### Influenza vaccination in pregnancy — current data on safety and effectiveness

Aneta S. Nitsch-Osuch, Dorota Bomba-Opon, Mariusz Jasik ..... 629

### RECOMMENDATIONS

#### Polish Society of Gynecologists and Obstetricians Recommendations on diagnosis and management of fetal growth restriction

Sebastian Kwiatkowski, Andrzej Torbe, Dariusz Borowski, Grzegorz Breborowicz, Krzysztof Czajkowski, Hubert Huras, Anna Kajdy, Jaroslaw Kalinka, Katarzyna Kosinska-Kaczynska, Bozena Leszczynska-Gorzela, Wojciech Rokita, Mariola Ropacka-Lesiak, Piotr Sieroszewski, Mirosław Wielgos, Mariusz Zimmer ..... 634

#### Polish Society of Gynecologists and Obstetricians recommendations on supplementation in pregnancy

Mariusz Zimmer, Piotr Sieroszewski, Przemyslaw Oszukowski, Hubert Huras, Tomasz Fuchs, Agata Pawlosek ..... 644

**ORIGINAL PAPERS  
GYNECOLOGY**

- A prospective self-controlled study on shortening the time before taking delayed radiographs with iodized oil hysterosalpingography**  
Jingyuan Lu, Dan Qi, Yang Liu, Yi Fan ..... 655
- Comparison of Anti-müllerian Hormone (AMH) and Hormonal Assays for Phenotypic Classification of Polycystic Ovary Syndrome**  
Ali Cenk Ozay, Ozlen Emekci Ozay, Bulent Gulekli ..... 661
- Does pregnancy influence eye parameters? Assessment of choroidal thickness using EDI-OCT before and after labour depending on the way of delivery method**  
Karol Taradaj, Tomasz Ginda, Piotr Maciejewicz, Barbara Suchonska, Mirosław Wielgos, Dariusz Kecik, Bożena Kociszewska-Najman ..... 668

**ORIGINAL PAPERS  
OBSTETRICS**

- The crown-rump length measurement — ISUOG criteria and clinical practice**  
Dominik Jakubowski, Magdalena Bednarek-Jedrzejek, Daria Salloum, Andrzej Torbe, Sebastian Kwiatkowski ..... 674
- Assessment of renal volume by 3D VOCAL Ultrasonography method in late-onset growth-restricted fetuses with normal amniotic fluid index**  
Duygu Adiyaman , Melda Kuyucu, Bahar Konuralp Atakul, Hakan Gölbaşı, Halil Gürsoy Pala ..... 679
- Morphological estimation of incomplete uterine scar rupture (dehiscence) in post-cesarean deliveries. Immunohistochemical studies**  
Maciej Zietek, Małgorzata Szczuko, Zbigniew Celewicz ..... 685
- Evaluation of indications for amniocentesis in cases of normal fetal ultrasound results**  
Olaf Wojtowicz, Sylwia Dzidek, Hanna Baran, Jędrzej Wiacek, Dariusz Borowski, Aneta Cymbaluk-Płoska, Bartosz Czuba, Anna Kajdy, Andrzej Torbe, Sebastian Kwiatkowski ..... 693
- Misoprostol vaginal insert and Foley catheter in labour induction — single center retrospective observational study of obstetrical outcome**  
Jakub Młodawski, Marta Młodawska, Justyna Plusajska, Jagoda Galuszewska, Kamila Glijer, Stanisław Gluszek ..... 700

**REVIEW PAPER  
GYNECOLOGY**

- Pelvic venous insufficiency — an often-forgotten cause of chronic pelvic pain**  
Jacek Szymanski, Grzegorz Jakiel, Aneta Słabuszewska-Jozwiak ..... 704

**REVIEW PAPER  
OBSTETRICS**

- Perinatal factors affecting the gut microbiota — are they preventable?**  
Maciej Zietek, Małgorzata Szczuko, Zbigniew Celewicz, Agnieszka Kordek ..... 709

**RECOMMENDATIONS**

- Recommendations of the Group of Experts of the Polish Society of Gynecologists and Obstetricians regarding gynecological examination and treatment of a minor person (01.01.2020)**  
Agnieszka Droszdol-Cop, Violetta Skrzypulec-Plinta, Ewa M. Guzik-Makaruk, Urszula Drozdowska, Dorota Huzarska, Iwona Joanna Czech ..... 714

## CLINICAL VIGNETTES

### Laparoscopic treatment of a mature teratoma with a fistula into the rectum — a NOTES technique

Marek Rzaca, Wojciech Witkiewicz, Ewa Milnerowicz-Nabzdzyk ..... 717

## VOL 91, NO 12

## ORIGINAL PAPERS

### GYNECOLOGY

#### Fokl vitamin D receptor polymorphism as a protective factor in intrahepatic cholestasis of pregnancy

Hubert Wolski, Grazyna Kurzawinska, Marcin Ozarowski, Krzysztof Drews, Magdalena Barlik, Krzysztof Piatek, Zbyszko Malewski, Aleksandra E. Mrozikiewicz, Justyna Magiolda-Stola, Dorota Kolanowska, Marlena Wolek, Agnieszka Seremak-Mrozikiewicz ..... 719

## ORIGINAL PAPERS

### OBSTETRICS

#### Comparison of Misoprostol versus Dinoprostone for delivery induction among pregnant women without concomitant disease

Teresa Gornisiewicz, Katarzyna Kusmierska-Urban, Hubert Huras, Aleksander Galas ..... 726

#### Are serum Netrin-4 levels predictive of preeclampsia?

Mehmet Sait İçen, Elif Ağaçayak, Fatih Mehmet Findik, Senem Yaman Tunç, İbrahim Kaplan, İlhan Tan, Mehmet Siddik Evsen, Talip Gül ..... 733

#### Outcome dependent growth curves for singleton pregnancies based on birth weight of babies for Polish population

Anna Dera-Szymanowska, Nikodem Horst, Maciej Sobkowski, Krzysztof Szymanowski ..... 740

#### The significance of maternal blood pregnancy-associated plasma protein A (PAPP-A) and free beta-subunit of human chorionic gonadotropin ( $\beta$ -hCG) levels for the risk assessment of fetal trisomy 18 during the first prenatal testing between 11 and 13<sup>+6</sup> weeks of pregnancy

Katarzyna Ziolkowska, Kinga Tobola-Wrobel, Piotr Dydowicz, Sebastian Zurawski, Marek Pietryga, Ewa Wysocka ..... 748

#### COVID-19 infection in symptomatic pregnant women at the midpoint of the pandemic in Spain: a retrospective analysis

Elias Ortiz Molina, Rafael Hernandez Pailos, Maria Pola Guillen, Ana Pascual Pedreno, Eduardo Rodriguez Rodriguez, Antonio Hernandez Martinez ..... 755

#### Expression and significance of Parkinson disease protein 7 in placental, serum and umbilical cord blood in preeclampsia

Tingting Yang, Jianying Yan, Qing Han, Qinjian Zhang, Qiuping Liao ..... 764

## REVIEW PAPER

### OBSTETRICS

#### How mother's obesity may affect the pregnancy and offspring

Sandra A. Radzicka-Mularczyk, Marek Pietryga, Jacek Brazert ..... 769

#### Biomarkers of angiogenesis in twin gestations and the risk of preeclampsia — review of the current literature

Szymon Kozlowski, Magdalena Zgliczynska, Katarzyna Kosinska-Kaczynska ..... 773

## CLINICAL VIGNETTES

### Umbilical artery aneurysm

Przemyslaw Szadok, Filip Kubiarczyk, Tomasz Koscielniak ..... 777

**Placental mesenchymal dysplasia and hepatic cyst**

Anna Rosner-Tenerowicz, Michal Pomorski, Tomasz Fuchs, Jakub Sliwa,

Aleksandra Zimmer-Stelmach, Wiktor Bek, Mariusz Zimmer .....779