



# 2<sup>nd</sup> International Symposium on Advances in PCOS and Women's Health

14-16 April 2016  
Crowne Plaza Hotel, Belgrade, Serbia

## *PROGRAMME*

 **European Society  
of Endocrinology**  
*the European hormone society*

*The House of Parliament*

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## **PROGRAMME**

**Thursday 14<sup>th</sup> April 2016**

**12.00 - 14.00 REGISTRATION**

**SATELLITE SYMPOSIUM ON ENDOCRINE DISRUPTORS (EDS)  
DURING WOMAN'S LIFE**

*Moderators: Djuro Macut, Serbia, Evanthia Diamanti-Kandarakis, Greece, Jean-Pierre Bourguignon, Belgium*

14.00-14.20 **An introduction to EDs**  
Djuro Macut, Serbia

14.20-15.00 **Endocrine disruptors and polycystic ovary  
syndrome (PCOS)**  
Evanthia Diamanti-Kandarakis, Greece

15.00-15.40 **Windows, threshold and potency of Eds:  
why should you care about?**  
Jean-Pierre Bourguignon, Belgium

15.40-16.00 **Current status and perspectives of EDCs in Serbia**  
Valentina Mart, Serbia

16.00 **General discussion**

16.30 **Cocktail**

## 2<sup>nd</sup> International Symposium on Advances in PCOS and Women's Health

17.00-18.30 **Session 1**  
**DEVELOPMENTAL AND ADOLESCENT ENDOCRINOLOGY**  
*Chairs: Evanthia Diamanti-Kandarakis, Greece,  
Silvija Sajić, Serbia*

17.00-17.30 **Clinical aspects and treatment options for  
adolescents with PCOS**  
Alessandra Gambineri, Italy

17.30-18.00 **Clinical approach to the lean amenorrheic adolescent**  
Jean-Pierre Bourguignon, Belgium

18.00-18.30 **Pituitary diseases during pregnancy**  
Milica Medić-Stojanoska, Serbia

18.30-19.00 **OPENING OF THE SYMPOSIUM**

**Djuro Macut, Serbia**  
*Chair of the Programme and Organizing Committees*

**Nebojša Lalić, Serbia**  
*Dean of the Faculty of Medicine,  
University of Belgrade*

**Aart Jan van der Lely, The Netherlands**  
*President of the European Society of Endocrinology*

19.00-19.40 **Plenary Lecture 1**  
*Chairs: Djuro Macut, Serbia, Miloš Žarković, Serbia*  
**Breast cancer, aromatase inhibitors and bone**  
Marija Pfeifer, Slovenia

19.40-20.20 **Plenary Lecture 2**  
*Chairs: Miloš Žarković, Serbia, Jasmina Ćirić, Serbia*  
**Management of thyroid autoimmunity and female  
infertility**  
Kris Poppe, Belgium

20.20 **Reception**

## Friday 15<sup>th</sup> April 2016

08.30-09.10 **Plenary Lecture 3**  
*Chairs: Evanthia Diamanti-Kandarakis, Greece, Jelena Djordjević, Serbia*  
**Integrative lesson from the rodent models of PCOS**  
Elisabet Stener-Victorin, Sweden

09.15-10.45 **Session 2**  
**ADVANCES IN PCOS**  
*Chairs: Bulent Yildiz, Turkey, Alessandra Gambineri, Italy*

09.15-09.45 **Pathophysiological aspects and novel strategies in the management of polycystic ovary syndrome**  
Evanthia Diamanti-Kandarakis, Greece

09.45-10.15 **Metabolic consequences of PCOS**  
Djuro Macut, Serbia

10.15-10.45 **Metabolic therapies in PCOS**  
Renato Pasquali, Italy

10.45-11.15 *Coffee break*

11.15-12.45 **Session 3**  
**CHALLENGING ENDOCRINE STATES IN WOMEN**  
*Chairs: Vera Popović, Serbia, George Mastorakos, Greece*

11.15-11.45 **Are we addicted to sugar?**  
Aart Jan van der Lely, Netherlands

11.45-12.15 **Gestational diabetes: Current understanding and management**  
Nebojša Lalić, Serbia

12.15-12.45 **Hypothalamo-pituitary-adrenal axis regulation during woman's life**  
Svetozar Damjanović, Serbia

12.45-13.15 **COMMERCIAL SYMPOSIUM - ASTRA ZENECA SGLT2 inhibitors make a difference in the treatment diabetes?**  
Mirjana Šumarac Dumanović, Serbia  
Sanja Simić Ogrizović, Serbia  
(symposium in Serbian language)

13.15-13.35 **COMMERCIAL SYMPOSIUM - MERCK**  
**GlucophageXR in the treatment of type 2 diabetes  
in women**  
Djuro Macut, Serbia

13.35-14.15 **Lunch and Poster presentations**  
*Chairs: Mirjana Doknić, Serbia, Ivana Božić Antić,  
Serbia, Slavica Markovic, Serbia*

1. **Electroencephalographic manifestations of homocysteine induced epilepsy after subchronic supplementation with folic acid and L-arginine**  
Rašić-Marković A, Hrnčić D, Macut D, Rakov-Petrović B, Djurić D, Stanojlović O  
Belgrade, Serbia
2. **Familial partial lipodystrophy caused by PPAR $\gamma$  gene mutation in woman with polycystic ovary syndrome: first description of clinical case in Russia**  
Kalashnikova MF, Sorkina EL, Koksharova EO, Yazykova DR, Likhodey NV, Shestakova MV, Tiulpakov AN  
Moscow, Russian Federation
3. **Successful pregnancy outcome in patient with Hashimoto thyroiditis, recurrent spontaneous abortions and alopecia areata: response to intravenous immunoglobulin therapy**  
Elezović V, Božić Antić I, Macut D, Ognjanović S, Isailović T, Popović B, Bogavac T, Ilić D, Damjanović S  
Belgrade Serbia
4. **Age of menarche and final height in girls with idiopathic central precocious puberty treated with GnRH analogue**  
Marković S, Igrutinović Z, Kostić G, Vuletić B, Folić N, Tanasković-Nestorović J, Rašković Z  
Kragujevac, Serbia
5. **Hyperaldosteronism and pregnancy: a case report**  
Stojanović M, Ćirić J, Stojković M, Savić S, Beleslin B, Nišić T, Lalić T, Diklić A, Žarković M  
Belgrade, Serbia
6. **Primary adrenal insufficiency and pregnancy - a case report**  
Savić S, Stojković M, Nedeljković-Beleslin B, Nišić T, Stojanović M, Barać M, Lalić T, Ćirić J, Spremović-Radenović S, Žarković M  
Belgrade, Serbia

7. **Turner syndrome - bone mineral density in transition period and adulthood**  
Doknić M, Stojanović M, Miljić D, Pekić S, Petakov M  
Belgrade, Serbia
8. **Irregular menstrual cycle and metformin therapy in adolescent girls**  
Mažibrada I  
Belgrade, Serbia
9. **Polycystic ovary syndrome is neither associated with chronic inflammation nor adipokine alterations**  
Ilie I, Hazi G, Man B, Brad C, Duncea I, Georgescu C  
Cluj-Napoca, Romania
10. **The association between oxidative stress and cardiovascular risk factors in obese postmenopausal women**  
Matić M, Klisić A, Vasiljević N, Savić-Radojević A, Plješa-Ercegovac M, Simić T  
Belgrade, Serbia and Podgorica, Montenegro
11. **Birth weight of newborns after maternal metabolic surgery**  
Polovina S, Bajec Dj, Radenković D, Micić D, Cvijović G, Gregorić P, Zorić S, Stamenković Pejković D, Jeremić D, Gligić A, Šumarac-Dumanović M, Micić D  
Belgrade, Serbia
12. **Serum ghrelin level in women with polycystic ovary syndrome and its relationship with reproductive hormones**  
Stamenković-Pejković D, Šumarac-Dumanović M, Gligić A, Polovina S, Cvijović G, Zorić S, Jeremić D, Kendereski A, Micić D,  
Belgrade, Serbia
13. **Prevalence of subclinical hypercortisolism and associated morbidities in women with unilateral and bilateral adrenal incidentalomas**  
Ognjanović S, Macut D, Petakov M, Elezović Kovačević V, Isailović T, Popović B, Božić Antić I, Bogavac T, Ilić D, Damjanović S  
Belgrade, Serbia
14. **DHEAS and insulin resistance as predictors of adrenal incidentaloma size in menopausal nondiabetic women**  
Marina Lj, Ivović M, Tančić-Gajić M, Arizanović Z, Raković D, Milin-Lazović J, Stojanović Z, Vujović S  
Belgrade, Serbia

**15. The correlation between sex-hormone binding globulin levels and liver enzymes activity in overweight/obese postmenopausal women**

Jovanović M, Klisić A, Kotur-Stevuljević J, Kavarić N, Škerović V  
Podgorica, Montenegro

**13.35-14.30 Free Communications - Basic/Translational**  
*Chairs: Elisabet Stener-Victorin, Sweden, and  
Olivera Stanojlović, Serbia*

**13.35 Dihydrotestosterone treatment led to development of visceral obesity and inflammation in the visceral adipose tissue of the rat model of polycystic ovary syndrome**

Vojnović Milutinović D, Nikolić M, Veličković N, Đorđević A,  
Bursać B, Nestorov J, Teofilović A, Božić Antić I, Bjekić Macut J,  
Matić G, Macut D  
Belgrade, Serbia

**13.47 Modeling postictal depression in female rats: experimental study in a model of generalized seizures**

Hrnčić D, Ademović A, Rašić - Marković A, Rankov-Petrović B,  
Macut D, Šutulović N, Šušić V, Stanojlović O  
Belgrade, Serbia

**13.59 Comparison of cardio-metabolic risk in obese female adolescents and patients with type 1 diabetes**

Zdravković V, Miolski J, Maksimović J, Ješić M, Bojić V, Sajić S  
Belgrade, Serbia

**14.11 Bisphenol a stimulates steroidogenic acute regulatory protein expression through ERK1/2 and PPAR $\gamma$  signaling pathways**

Pogrmić-Majkić K, Samardžija D, Fa S, Milatović S, Vukosavljević J,  
Kopitović V, Andrić N  
Novi Sad, Serbia

**14.23 Modeling the effects of stress on adrenal progesterone dynamics**

Stanojević A, Čupić Ž, Marković V M, Maćešić S, Vukojević V,  
Kolar-Anić Lj  
Belgrade, Serbia and Stockholm, Sweden



**14.35-15.15** **Plenary Lecture 4**  
*Chairs: Konstantinos Tziomalos, Greece,  
and Teodora Beljić, Serbia*  
**Sex steroids and NAFLD in woman**  
Jeremy Tomlinson, UK

**15.15-16.45** **Session 4**  
**CLINICAL APPROACH TO OBESE WOMEN**  
*Chairs: Renato Pasquali, Italy, and Katarina Lalić, Serbia*

15.15-15.45 **Dietary intervention in women: possible outcomes**  
Dario Rahelić, Croatia

15.45-16.15 **Pharmacological options for obese women: targeting body weight and glycemc disturbances**  
Mojca Jensterle-Sever and Andrej Janež, Slovenia

16.15-16.45 **Metabolic surgery for women**  
Dragan Micić, Serbia

**16.45-17.00** *Coffee break*

**17.00-18.30** **Session 5**  
**CARDIOVASCULAR EVENTS IN WOMEN**  
*Chairs: Marija Pfeifer, Slovenia,  
and Goran Stanković, Serbia*

17.00-17.30 **Cardiovascular disease in PCOS and messages from the SWAN studies**  
Carmen Georgescu, Romania

17.30-18.00 **Management of heart failure in women**  
Arsen Ristić, Serbia

18.00-18.30 **Women and stroke: what we know on causes and consequences**  
Konstantinos Tziomalos, Greece

**20.30** *Dinner*  
Restaurant “Vizantija”, River Sava (Ušće)

## Saturday 16<sup>th</sup> April 2016

08.30-09.10 **Plenary Lecture 5**  
*Chairs: Djuro Macut, Serbia, and  
Svetlana Spremović-Radenović, Serbia*  
**Hormonal contraception and antiandrogens in PCOS:  
clinical approach**  
Bulent Yildiz, Turkey

09.15-10.45 **Session 6**  
**ADVANCES IN REPRODUCTION**  
*Chairs: Nebojša Radunović, Serbia,  
and George Mastorakos, Greece*

09.15-09.45 **Reproductive therapies in PCOS**  
Ana Mitrović-Jovanović, Serbia

09.45-10.15 **Management of habitual abortions**  
Željko Miković, Serbia

10.15-10.45 **PCOS and endometrial cancer**  
Vesna Kesić, Serbia

10.45-11.15 **Coffee break**

11.15-12.45 **Session 7**  
**Transition periods in women**  
*Chairs: Gordana Prelević, UK,  
and Katarina Sedlecki, Serbia*

11.15-11.45 **Current understanding of premature ovarian  
insufficiency**  
Svetlana Vujović, Serbia

11.45-12.15 **Osteoporosis in women: is there anything new?**  
Željka Crnčević-Orlić, Croatia

12.15-12.45 **Surgical view on incontinence in women**  
Tomislav Pejčić, Serbia

12.45-14.15 **Lunch symposium - Hemofarm**  
**Poster presentations**  
*Chairs: Biljana Beleslin, Serbia,  
Jelica Bjekić-Macut, Serbia, Vera Zdravković, Serbia*

- 16. Is anti-mullerian hormone a true predictor of dyslipidemia in polycystic ovary syndrome?**  
Albu A  
Bucharest, Romania
- 17. Hormonal effects and clinical outcome of laparoscopic ovarian drilling in patients with polycystic ovarian disease (PCOD)**  
Trpcevski H, Trpcevski T, Trpcevski S  
Bitola, FYR Macedonia
- 18. Oral glucose and meal stimulated plasma insulin levels in lean polycystic ovary syndrome women with normal glucose tolerance**  
Gligić A, Šumarac-Dumanović M, Stamenković-Pejković D, Polovina S, Cvijović G, Zorić S, Jeremić D, Kendereški A, Micić D  
Belgrade, Serbia
- 19. Effect of hyperandrogenism on body composition and metabolic indices in women with PCOS**  
Bogavac T, Božić-Antić I, Ilić D, Bjekić-Macut J, Vojnović-Milutinović D, Popović B, Isailović T, Elezović-Kovačević V, Ognjanović S, Damjanović S, Macut D  
Belgrade, Serbia
- 20. Morphologically polycystic ovaries and cardiovascular risk factors**  
Čivčić M, Erceg S, Božić-Antić I, Bjekić-Macut J, Macut D  
Belgrade, Serbia
- 21. Carotid intima media thickness in lean women with PCOS**  
Erceg S, Čivčić M, Božić-Antić I, Bjekić-Macut J, Macut D  
Belgrade, Serbia
- 22. Insulin levels and insulin resistance in women with polycystic ovary syndrome**  
Stojković M, Savić S, Beleslin B, Ćirić J, Nišić T, Stojanović M, Lalić T, Barać M, Žarković M  
Belgrade, Serbia
- 23. Relation of hyperandrogenism and metabolic derangements in women with polycystic ovary syndrome**  
Isailović T, Božić Antić I, Ognjanović S, Elezović V, Popović B, Bogavac T, Ilić D, Bjekić-Macut J, Damjanović S, Macut D  
Belgrade, Serbia

- 24. Assessment of novel insulin resistance index using C-peptide in women with PCOS**  
Macut D, Božić-Antić I, Bjekić-Macut J, Ilić D, Vojnović-Milutinović D, Bogavac T, Popović B, Kastratović-Kotlica B, Stanojlović O, Isailović T, Elezović-Kovačević V, Ognjanović S, Damjanović S  
Belgrade, Serbia
- 25. Non-alcoholic fatty liver disease liver fat score (NAFLD-LFS) could be used for the assessment of NAFLD in women with polycystic ovary syndrome**  
Bjekić-Macut J, Božić-Antić I, Tziomalos K, Ilić D, Vojnović-Milutinović D, Stanojlović O, Kastratović-Kotlica B, Bogavac T, Popović B, Isailović T, Elezović-Kovačević V, Ognjanović S, Panidis D, Macut D  
Belgrade, Serbia
- 26. Relationship between cardiovascular risk and non-alcoholic fatty liver disease in PCOS women**  
Perović Blagojević I, Eror T, Kotur-Stevuljević J, Jelić S, Pelivanović J, Jovanović N, Ignjatović S  
Belgrade, Serbia
- 27. Effects of metformin therapy on clinical characteristics of women with polycystic ovary syndrome**  
Ilić D, Božić-Antić I, Jovanović I, Bjekić-Macut J, Vojnović-Milutinović D, Bogavac T, Popović B, Isailović T, Elezović-Kovačević V, Ognjanović S, Damjanović S, Macut D  
Belgrade, Serbia
- 28. Effects of ciproterone acetate-ethynil estradiol (DIANE-35) treatment on clinical signs of androgenisation, hormone profile and ovarian size in patients with polycystic ovary syndrome (PCOS)**  
Trpceviski H, Trpceviski T, Trpceviski S  
Bitola, FYR Macedonia
- 29. Biology and clinical implications of primary neuroendocrine breast tumors**  
Popović B, Macut D, Božić Antić I, Bogavac T, Ilić D, Isailović T, Elezović Kovačević V, Ognjanović S, Micev M, Menković N, Damjanović S  
Belgrade, Serbia
- 30. Delayed Sheehan's syndrome diagnosis - a case report**  
Boanta AI, Pinzariu O, Budan MR, Georgescu CE  
Cluj-Napoca, Romania

**31. Effect of weight loss on premenstrual syndrome in obese woman with polycystic ovary syndrome**

Arizanović Z, Tančić-Gajić M, Ivović M, Marina Lj, Stojanović Z, Vujović S  
Belgrade, Serbia

**13.15-14.15 Free Communications - Clinical**

Chairs: Nada Kostić, Serbia, Saša Radenković, Serbia

**13.15 Lipid Accumulation Product (LAP) as the most sensitive predictor of metabolic syndrome in women with polycystic ovary syndrome**

Božić-Antić I, Ilić D, Bjekić-Macut J, Vojnović-Milutinović D, Bogavac T, Popović B, Kastratovic-Kotlica B, Stanojlović O, Isailović T, Elezović-Kovačević V, Ognjanović S, Damjanović S, Macut D  
Belgrade, Serbia

**13.27 Bone Mineral Density (BMD) and body composition in Romanian women with the polycystic ovary syndrome: relationships to undercarboxylated osteocalcin (ucOC)**

Budan RM, Boanta AI, Ilie IR, Hazi G, Georgescu CE  
Cluj-Napoca, Romania

**13.39 Female patients with GnRH deficiency from an adult endocrinologist perspective: a single center analysis**

Pekić S, Doknić M, Miljić D, Stojanović M, Petakov M, Popović V  
Belgrade, Serbia

**13.51 Effects of different therapy regimes on glycoregulation in PCOS women with gestational diabetes mellitus**

Mladenović V, Nešić J, Bubanja D, Petrović J, Djukić A  
Kragujevac, Serbia

**14.03 Cardiovascular risk assessed by Reynolds risk score in apparently healthy postmenopausal women**

Jovanović M, Klisić A, Kotur-Stevuljević J, Kavarić N, Škerović V  
Belgrade, Serbia and Podgorica, Montenegro

**14.15-14.55 Plenary Lecture 6**

Chairs: Elisabet Stener-Victorin, Sweden,  
and Svetlana Vujović, Serbia

**Endocrine causes and consequences of hypothalamic  
amenorrhea**

Sarah Berga, USA

**15.00-16.30 Session 8**

**ENDOCRINE DISEASES DURING PREGNANCY**

*Chairs: Sarah Berga, USA, and*

*Biljana Kastratović-Kotlica, Serbia*

15.00-15.30 **The role of maternal stress upon the offspring during  
pregnancy**

George Mastorakos, Greece

15.30-16.00 **Growth hormone deficiency and pregnancy**

Mirjana Doknić, Serbia

16.00-16.30 **Management and outcomes of gestational hypertension**

Aleksandra Jotić, Serbia

16.30-16.45 ***Coffee break***

**16.45-18.15 Session 9**

**CONTROVERSIES IN THYROID FUNCTION IN WOMEN**

*Chairs: Zadzalla Mouslech, Greece,*

*and Azra Bureković, Bosnia and Herzegovina*

16.45-17.15 **Pitfalls in thyroid hormone reference values during  
woman's life**

Miloš Žarković, Serbia

17.15-17.45 **Thyroid dysfunction in polycystic ovarian syndrome**

Edita Stokić, Serbia

17.45-18.15 **Subclinical thyroid states and metabolic outcomes:  
is there a link?**

Zelija Velija Ašimi, Bosnia and Herzegovina

18.15 ***Conclusions and Closing of the Symposium***

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