2nd International Symposium on Advances in PCOS and Women’s Health

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

PROGRAMME
PROGRAMME

Thursday 14th 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, and 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
2nd 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, and 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, and Miloš Žarković, Serbia*

Breast cancer, aromataze inhibitors and bone
Marija Pfeifer, Slovenia

**19.40-20.20 Plenary Lecture 2**  
*Chairs: Miloš Žarković, Serbia, and Jasmina Ćirić, Serbia*

Management of thyroid autoimmunity and female infertility
Kris Poppe, Belgium

**20.20 Reception**
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<th>Time</th>
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<tr>
<td>08.30-09.10</td>
<td><strong>Plenary Lecture 3</strong></td>
<td>Evanthia Diamanti-Kandarakis, Greece, and Jelena Djordjević, Serbia</td>
<td>Greece</td>
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<tr>
<td></td>
<td><strong>Integrative lesson from the rodent models of PCOS</strong></td>
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<td><strong>Elisabet Stener-Victorin, Sweden</strong></td>
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<tr>
<td>09.15-10.45</td>
<td><strong>Session 2</strong></td>
<td>Bulent Yildiz, Turkey, and Alessandra Gambineri, Italy</td>
<td>Italy</td>
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<td><strong>ADVANCES IN PCOS</strong></td>
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<td>09.15-09.45</td>
<td><strong>Pathophysiological aspects and novel strategies in the management of polycystic ovary syndrome</strong></td>
<td>Evanthia Diamanti-Kandarakis, Greece</td>
<td>Greece</td>
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<td>09.45-10.15</td>
<td><strong>Metabolic consequences of PCOS</strong></td>
<td>Djuro Macut, Serbia</td>
<td>Serbia</td>
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<td>10.15-10.45</td>
<td><strong>Metabolic therapies in PCOS</strong></td>
<td>Renato Pasquali, Italy</td>
<td>Italy</td>
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<td>10.45-11.15</td>
<td><strong>Coffee break</strong></td>
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<tr>
<td>11.15-12.45</td>
<td><strong>Session 3</strong></td>
<td>Vera Popović, Serbia, and George Mastorakos, Greece</td>
<td>Greece</td>
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<td><strong>CHALLENGING ENDOCRINE STATES IN WOMEN</strong></td>
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<td>11.15-11.45</td>
<td><strong>Are we addicted to sugar?</strong></td>
<td>Aart Jan van der Lely, Netherlands</td>
<td>Netherlands</td>
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<td>11.45-12.15</td>
<td><strong>Gestational diabetes: Current understanding and management</strong></td>
<td>Nebojša Lalić, Serbia</td>
<td>Serbia</td>
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<td>12.15-12.45</td>
<td><strong>Hypothalamo-pituitary-adrenal axis regulation during woman’s life</strong></td>
<td>Svetozar Damjanović, Serbia</td>
<td>Serbia</td>
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<td>12.45-13.15</td>
<td><strong>COMMERCIAL SYMPOSIUM - ASTRA ZENECA</strong></td>
<td>Mirjana Šumarac Dumanović, Serbia Sanja Simić Ogrizović, Serbia</td>
<td>Serbia</td>
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<td><strong>SGLT2 inhibitors make a difference in the treatment diabetes?</strong></td>
<td>(symposium in Serbian language)</td>
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</tbody>
</table>
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 PPARg 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
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
    Belgrade, Serbia and Podgorica, Montenegro

11. Birth weight of newborns after maternal metabolic surgery
    Belgrade, Serbia

12. Serum ghrelin level in women with polycystic ovary syndrome and its relationship with reproductive hormones
    Belgrade, Serbia

13. Prevalence of subclinical hypercortisolism and associated morbidities in women with unilateral and bilateral adrenal incidentalomas
    Belgrade, Serbia

14. DHEAS and insulin resistance as predictors of adrenal incidentaloma size in menopausal nondiabetic women
    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
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 PPARγ signaling pathways
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 glycemic 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)
### Plenary Lecture 5

**Chairs:** Djuro Macut, Serbia, and Svetlana Spremović-Radenović, Serbia

_Hormonal contraception and antiandrogens in PCOS:_
clinical approach

Bulent Yildiz, Turkey

### Session 6

**ADVANCES IN REPRODUCTION**

**Chairs:** Nebojša Radunović, Serbia,
and George Mastorakos, Greece

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<tr>
<td>09.15-09.45</td>
<td>Reproductive therapies in PCOS</td>
<td>Ana Mitrović-Jovanović, Serbia</td>
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<td>09.45-10.15</td>
<td>Management of habitual abortions</td>
<td>Željko Miković, Serbia</td>
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<td>10.15-10.45</td>
<td>PCOS and endometrial cancer</td>
<td>Vesna Kesić, Serbia</td>
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**Coffee break**

### Session 7

**TRANSITION PERIODS IN WOMEN**

**Chairs:** Gordana Prelević, UK,
and Katarina Sedlecki, Serbia

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<tr>
<td>11.15-11.45</td>
<td>Current understanding of premature ovarian insufficiency</td>
<td>Svetlana Vujović, Serbia</td>
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<td>11.45-12.15</td>
<td>Osteoporosis in women: is there anything new?</td>
<td>Željka Crnčević-Orlić, Croatia</td>
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<td>12.15-12.45</td>
<td>Surgical view on incontinence in women</td>
<td>Tomislav Pejčić, Serbia</td>
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**Lunch symposium - Hemofarm**

**Poster presentations**

**Chairs:** Biljana Beleslin, Serbia,
Jelica Bjekić-Macut, Serbia, and 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

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

26. Relationship between cardiovascular risk and non-alcoholic fatty liver disease in PCOS women

27. Effects of metformin therapy on clinical characteristics of women with polycystic ovary syndrome

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)
Trpcevski H, Trpcevski T, Trpcevski S Bitola, FYR Macedonia

29. Biology and clinical implications of primary neuroendocrine breast tumors

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
Belgrade, Serbia

13.15-14.15 Free Communications - Clinical
Chairs: Nada Kostić, Serbia, and Saša Radenković, Serbia

13.15 Lipid Accumulation Product (LAP) as the most sensitive predictor of metabolic syndrome in women with polycystic ovary syndrome
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: Zadalla 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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Prvi GLP-1 analog.