



European Society
of Endocrinology

Endorsed by:

European Society of Endocrinology

Endocrine Section of the
Serbian Medical Society

Endocrine Society of the
Slovenian Medical Association

Serbian Society for
Reproductive Endocrinology

INTERNATIONAL SYMPOSIUM ON ADVANCES IN PCOS

16-17 NOVEMBER 2012

BELGRADE, SERBIA

PROGRAMME



The House of Parliament

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SODIMED

Dear colleague,

It is our great pleasure to welcome you in Belgrade, at the International Symposium on Advances in PCOS endorsed by the European Society of Endocrinology, the Endocrine Section of the Serbian Medical Society, the Endocrine Society of the Slovenian Medical Association, and the Serbian Society for Reproductive Endocrinology.

The Symposium covers the basic and clinical topics in polycystic ovary syndrome, the most prevalent endocrinopathy in women of reproductive age. The Symposium has attracted endocrinologists, gynecologists, young trainees, biologists and other physicians and researchers who are interested in advancing and updating their knowledge in the field of reproductive endocrinology. Lectures will be given by distinguished European endocrinologists, gynecologists, and basic scientists. Besides lectures, this International Symposium offers the Free communication session, Young investigators round table and Poster session.

Symposium is held in the historic city of Belgrade, the capital of Serbia. Aside of the abundant scientific programme of the Symposium you will experience the traditional hospitality and charm of Belgrade. The venue of the PCOS Symposium is the Hyatt Regency Belgrade Hotel, a renowned Congress center that also includes all facilities for comfortable accommodation and staying.

We hope you will enjoy the scientific and the social part of the Symposium on PCOS, and wish you a memorable stay in Belgrade.

Yours respectfully,

Djuro Macut, MD, PhD

Assoc. Professor of Internal Medicine and Endocrinology
Clinic for Endocrinology, Diabetes and Diseases of Metabolism
Faculty of Medicine, University of Belgrade, Serbia

Marija Pfeifer, MD, PhD

Professor of Internal Medicine and Endocrinology
Department of Endocrinology
Faculty of Medicine, University Medical Centre Ljubljana, Slovenia

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Enrico Carmina, Italy
Didier Dewailly, France
Evanthia Diamanti Kandarakis, Greece
Simona Gaberšček, Slovenia
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PROGRAMME

16 November 2012

7.30 Registration

Plenary Hall

8.30 **Welcome and Introduction**

Djuro Macut, Serbia and Marija Pfeifer, Slovenia

Nebojša Lalić

Dean of the Faculty of Medicine

University of Belgrade, Serbia

8.40 **Perspectives of endocrinology in Europe**

Speaker: Phillipe Bouchard, France

President of the European Society of Endocrinology

Plenary Lecture I

Chair:

Djuro Macut, Serbia

9.00-9.30

Phenotypes, definitions and diagnostic approach in PCOS

Speaker: Evanthia Diamanti Kandarakis, Greece

Session I
Etiopathogenesis of PCOS I

Chairs:

Vera Popović, Serbia

Thomas Barber, UK

9.40 Growth hormone and ghrelin in PCOS

Speaker: Dragan Micić, Serbia

10.00 Chronobiology of gonadal axis in PCOS

Speaker: Miloš Žarković, Serbia

10.20 Insulin resistance and glucose tolerance in PCOS

Speaker: Renato Pasquali, Italy

10.40 PCOS, pregnancy and glucose dysregulation: the role of metformin

Speaker: Nebojša Lalić, Serbia

11.15-11.30 Coffee break

Session II
Consequences of PCOS and related clinical syndromes

Chairs:

Ashley Grossman, UK

Gordana Prelević, UK

11.30 Endothelial dysfunction and cardiovascular disease in PCOS

Speaker: Marija Pfeifer, Slovenia

11.50 Oxidative stress and inflammation in PCOS

Speaker: Ana Savic Radojević

12.10 Obesity, adipokines and metabolic syndrome in polycystic ovary syndrome

Speaker: Enrico Carmina, Italy

12.30 Endocrinopathies and other disorders inducing a polycystic ovary syndrome phenotype

Speaker: Gregory Kaltsas, Greece

Session III
Endocrine controversies in PCOS

Chairs:

Fahrettin Kelestimur, Turkey

Željka Crnčević, Croatia

13.00 Dyslipidemia and statin therapy in PCOS

Speaker: Djuro Macut, Serbia

13.20 Nonalcoholic fatty liver disease and polycystic ovary syndrome

Speaker: Sarantis Livadas, Greece

13.40 Thyroid and PCOS: metabolic and fertility issues

Speaker: Simona Gaberšček, Slovenia

14.00-14.30 Launch of the book from the Karger's Edition

Frontiers of Hormone Research

Polycystic Ovary Syndrome – Novel Insights into Causes and Therapy

Djuro Macut, Ashley Grossman, Marija Pfeifer

Beograd Hall

14.00-16.00 Posters Review and Lunch

Kopaonik Hall

15.00-16.00 Business Meeting of the ESE SIG on PCOS

Plenary Hall

Plenary Lecture II

Chair:
Ksenija Geršak, Slovenia

16.00-16.30 **Genetics of PCOS**
Speaker: Thomas Barber, UK

Session IV Etiopathogenesis of PCOS II

Chairs:
Svetozar Damjanović, Serbia
Darko Kaštelan, Croatia

16.40 **Adrenal dysfunction in polycystic ovary syndrome**
Speaker: Enrico Carmina, Italy

17.00 **11 β -HSD in women with PCOS**
Speaker: Alessandra Gambineri, Italy

17.20 **Glucocorticoid receptor expression in PCOS**
Speaker: Danijela Vojnović Milutinović, Serbia

17.40 **Some genetic factors in Slovenian and Croatian women with PCOS**
Speaker: Ksenija Geršak, Slovenia

20.30 **Dinner**
Restaurant "Kalemegdanska terasa"

17 November 2012

Plenary Hall

Plenary Lecture III

Chair:
Marija Pfeifer, Slovenia

9.00-9.30 **Pathophysiology of polycystic ovary syndrome**
Speaker: Didier Dewailly, France

Session V
Treatment modalities in PCOS

Chairs:
Evanthia Diamanti Kandarakis, Greece
Katarina Sedlecki, Serbia

09.40 **Lifestyle intervention and antiobesity therapies in PCOS**
Speaker: Renato Pasquali, Italy

10.00 **Insulin sensitizers and other antidiabetic drugs in PCOS**
Speaker: Mojca Jensterle-Sever, Slovenia

10.20 **Combined oral contraceptives – indications and precautions**
Speaker: Bulent Yildiz, Turkey

10.40 **Treatment modalities in PCOS/RAAS and spironolactone in PCOS**
Speaker: Katka Bajuk-Studen, Slovenia

11.15-11.30 **Coffee break**

Session VI
Folliculogenesis and reproductive therapies for PCOS

Chairs:

Olivera Kontić Vučinić, Serbia

Veljko Vlasisavljević, Slovenia

11.30 **Hirsutism – from diagnosis to the use of antiandrogens**

Speaker: Fahrettin Kelestimur, Turkey

11.50 **Anti-Mullerian hormone (AMH) and PCOS**

Speaker: Neoklis Georgopoulos, Greece

12.10 **Gonadotrophins and GnRH analogues in PCOS**

Speaker: Nebojša Radunović, Serbia

12.30 **Antiestrogens and alternative therapies in PCOS**

Speaker: Ana Mitrović Jovanović, Serbia

13.00-13.30 **Merck Satellite Symposium**

Beograd Hall

13.00-15.00 **Posters Review and Lunch**

Plenary Hall

14.00-15.00

Free Communications

Chairs:

Miloš Žarković, Serbia
Gregory Kaltsas, Greece

- 14.00 **Vitamin D level and insulin resistance in patients with polycystic ovary syndrome**
E. Stokić, D. Tomić Naglic, M. Mitrović, J. Novaković Paro, D. Benc, DJ. Popović, T. Ićin, M. Medić Stojanoska, D.S. Tešić, LJ. Todorović Djilas, B. Kovačev Zavišić
Novi Sad, Serbia
- 14.10 **Effect of hyperglycemia and hyperinsulinemia on glutathione peroxidase activity in non-obese women with polycystic ovary syndrome**
A. Savić Radojević, T. Simić, I. Božić, J. Bjekić Macut, V. Ćorić, T. Djukić, J. Jakovljević, M. Žarković, D. Panidis, Dj. Macut
Belgrade, Serbia and Thessaloniki, Greece
- 14.20 **Polycystic ovary syndrome and vascular risk**
L. Zabulienė, J. Urbonienė
Vilnius, Lithuania
- 14.30 **Does association between thyroid-stimulating hormone and insulin resistance markers in women with polycystic ovary syndrome exist?**
M. Šumarac Dumanović, A. Ljubić, D. Jeremić, D. Stamenković Pejковиć, G. Cvijović, D. Micić
Belgrade, Serbia
- 14.40 **Influence of metformin treatment in Slovene patients with polycystic ovary syndrome**
K. Jerenec, M. Samojlenko, K. Geršak, P. Ferik
Maribor and Ljubljana, Slovenia
- 14.50 **The influence of combined oral contraceptives containing ethinylestradiol plus drospirenone on the hypothalamic-pituitary-adrenocortical axis and glucocorticoid receptor expression in women with polycystic ovary syndrome**
Dj. Macut, D. Vojnović Milutinović, I. Božić, J. Nestorov, V. Topalović, J. Bjekić Macut, B. Kastratović, G. Matić
Belgrade, Serbia

Session VII
Reproductive controversies in PCOS

Chairs:
Eliana Garalejić, Serbia
Damir Franič, Slovenia

- 15.00 **What should be the optimal ovarian stimulation and can we avoid OHSS in PCOS patients?**
Speaker: Veljko Vlaisavljević, Slovenia
- 15.20 **IVM (in vitro maturation) in PCOS**
Speaker: Vilma Kovač, Slovenia
- 15.40 **Surgical treatments in PCOS**
Speaker: Aleksandar Ljubić, Serbia
- 16.00 **Polycystic ovary syndrome and menopausal transition**
Speaker: Svetlana Vujović, Serbia
- 16.30-16.45 **Coffee break**

Session VIII
Young investigators round table

16.45-17.45

Moderators:

Basic research: Danijela Vojnović-Milutinović, Serbia
Transitional research: Alessandra Gambineri, Italy
Clinical research: Bulent Yildiz, Turkey

- 18.00 **Concluding remarks**
Marija Pfeifer, Slovenia and Djuro Macut, Serbia

Poster Presentations

- P1 The effect of neurosteroids on DL homocysteine-thiolactone induced seizures in rats**
A. Rašić Marković, D. Hrnčić, O. Stanojlović, J. Bjekić Macut, Dj. Macut
Belgrade, Serbia
- P2 Characteristics of metabolic syndrome in hyperandrogenemic female rat model of polycystic ovary syndrome**
D. Vojnović Milutinović, A. Djordjević, M. Nikolić, G. Korićanac, S. Tepavčević, Z. Žakula, N. Nestorović, I. Božić, J. Bjekić Macut, G. Matić, Dj. Macut
Belgrade, Serbia
- P3 Metabolic abnormalities in adolescents with polycystic ovary syndrome**
S. Lešović, I. Rakočević, Lj. Plavšić
Zlatibor and Belgrade, Serbia
- P4 The presence of hyperinsulinemia in adolescents with PCOS**
J. Banovac, S. Cvijanović
Belgrade, Serbia
- P5 Metabolic syndrome in adolescent girls with PCOS**
S. Marković, Z. Igrutinović, S. Lešović, R. Petrović, J. Tanasković Nestorović, M. Radovanović
Kragujevac and Zlatibor, Serbia
- P6 Primary amenorrhea and hirsutism in a young childhood cancer survivor**
D. Miljić, D. Micić, Dj. Macut, M. Doknić, S. Pekić, M. Stojanović, V. Popović
Belgrade, Serbia
- P7 Incidence of polycystic ovary syndrome among patients with menstrual cycle disturbances**
A. Mitreski, N. Četković, N. Čurčić, B. Ivaković
Novi Sad, Serbia

- P8 Do androgens help in diagnosing subclinical Cushing's syndrome?**
I. Kraljevic, T. Dusek, M. Baretic, T. Skoric Polovina, D. Kaštelan
Zagreb, Croatia
- P9 Prevalence of features of polycystic ovary syndrome (PCOS) in patients with adrenal incidentaloma**
M. Ivočić, S. Vujović, M. Tančić Gajić, Lj. Marina, Z. Arizanović, D. Micić
Belgrade, Serbia
- P10 The frequency of the disorder of LH to FSH ratio and the occurrence of biochemical hyperandrogenism in women with PCOS**
M. Banašević, J. Banovac, Z. Šljukić, B. Lazić Dragicević
Belgrade, Serbia
- P11 Relation of hyperandrogenism and metabolic derangements in women with polycystic ovary syndrome**
T. Isailović, Dj. Macut, I. Božić, M. Petakov, S. Ognjanović, J. Bjekić Macut, V. Elezović, B. Popović, T. Bogavac, B. Kastratović, S. Damjanović
Belgrade, Serbia
- P12 Correlation of fat tissue distribution and metabolic parameters in women with polycystic ovary syndrome**
T. Bogavac, Dj. Macut, I. Božić, B. Popović, J. Bjekić Macut, T. Isailović, V. Elezović, S. Ognjanović, M. Petakov, S. Damjanović
Belgrade, Serbia
- P13 Prevalence of insulin resistance in Algerian PCOS women**
S. Ouldakblia, Y. Aribi, Z. Kemali, M. Semrouni, M. Haffaf, E.G. Kacimi
Kouba, Algeria
- P14 Lipid accumulation product (LAP) could predict metabolic syndrome in women with polycystic ovary syndrome**
J. Bjekić Macut, I. Božić, D. Panidis, N. Spanos, D. Vojnović Milutinović, O. Stanojlović, M. Petakov, B. Popović, T. Bogavac, S. Ognjanović, T. Isailović, V. Elezović, Dj. Macut
Belgrade, Serbia, and Thessaloniki, Greece

- P15 The effect of different phenotypes of PCOS on the development of non-alcoholic fatty liver disease**
I. Božić, Dj. Macut, B. Popović, E. Papadakis, J. Bjekić Macut, I. Katsikis, T. Bogavac, T. Isailović, V. Elezović, S. Ognjanović, M. Petakov, D. Panidis
Belgrade, Serbia, and Thessaloniki, Greece
- P16 The effect of obesity on the development of non-alcoholic fatty liver disease in women with PCOS**
B. Popović, Dj. Macut, I. Božić, E. Papadakis, J. Bjekić-Macut, I. Katsikis, T. Bogavac, T. Isailović, V. Elezović, S. Ognjanović, M. Petakov, D. Panidis
Belgrade, Serbia, and Thessaloniki, Greece
- P17 Metabolic characteristics in different PCOS clusters**
M. Stojković, B. Beleslin, J. Čirić, S. Savić, M. Stojanović, T. Nišić, T. Lalić, S. Medenica, B. Trbojević, M. Žarković
Belgrade, Serbia
- P18 PCOS in obese young person: what is improved with weight loss**
M. Tančić Gajić, S. Vujović, M. Vukčević, Dj. Macut, M. Ivović, Lj. Marina, M. Stojanović, Z. Arizanović, M. Čivčić, S. Erceg, D. Micić
Belgrade, Serbia
- P19 Two different long -term risk factors in women with PCOS - case report**
M. Anđelić Jelić, T. Beljić Živković
Belgrade, Serbia
- P20 Association of metabolic disturbances and carotid intima-media thickness in women with polycystic ovary syndrome**
V. Elezović, Dj. Macut, I. Božić, M. Petakov, S. Ognjanović, J. Bjekic Macut, T. Isailović, B. Popović, T. Bogavac, M. Čivčić, S. Erceg, S. Damjanović
Belgrade, Serbia
- P21 Blood pressure, but not carotid intima-media thickness are in relation with age and level of androgens in women with PCOS**
M. Bačević, I. Božić, S. Erceg, J. Bjekić Macut, M. Čivčić, T. Šukilović, Dj. Macut
Pančevo and Belgrade, Serbia

- P22 Echocardiography and laboratory parameters in patients with polycystic ovary syndrome**
M. Mirković, D. Ružičić, K. Odanović, B. Budimirović, M. Vuković
Valjevo, Serbia
- P23 Anti-Müllerian hormone as potential marker of PCOS: our experience in UKC Maribor**
M. Cokolic, E. Homsak
Maribor, Slovenia
- P24 The relationships of anti-Müllerian hormone (AMH) and different diagnostic criteria of polycystic ovary syndrome (PCOS) diagnosed according to the Rotterdam criteria (RC) in subfertile women**
M.Š. Alebić, N. Stojanović, K. Kljajić Babić, K. Peroš, L. Smirčić-Duvnjak
Zagreb, Croatia
- P25 The prevalence of prediabetes in women with PCOS**
Z. Velija Ašimi
Sarajevo, Bosnia and Herzegovina
- P26 Metabolic parameters and outcome in women with gestational diabetes mellitus with the history of polycystic ovary syndrome**
V. Mladenović, J. Petrović, A. Djukić, M. Varjačić, Dj. Macut
Kragujevac and Belgrade, Serbia
- P27 Increased prevalence of gestational diabetes among women with diagnosed polycystic ovary syndrome**
J. Stanarčić Gajović, A. Jotić, M. Gojnić Dugalić, T. Miličić, Lj. Lukić, M. Maćešić, J. Seferović Mitrović, K. Lalić, N. Rajković, N.M. Lalić
Belgrade, Serbia
- P28 Correlation between androgen and insulin sensitivity in polycystic ovary syndrome and the effect of metformin on the level of androgens and insulin sensitivity**
G. Dželetović, B. Kostić Inić
Novi Sad and Gračanica, Serbia

- P29 Analysis of the effect of metformin therapy on pregnancy outcome in women with polycystic ovary syndrome**
M. Maćešić, A. Jotić, M. Gojnić Dugalić, T. Miličić, Lj. Lukić,
J. Seferović Mitrović, K. Lalić, N. Rajković, J. Stanarčić, N.M. Lalić
Belgrade, Serbia
- P30 A case of peripartum cardiomyopathy in a patient with polycystic ovarian syndrome and triplet pregnancy**
B. Kastratović Kotlica
Belgrade, Serbia
- P31 Effects of sibutramine on cardiovascular risk factors and circulating androgens in patients with polycystic ovary syndrome**
D. Panidis, K. Tziomalos, E. Papadakis, I. Katsikis, A. Karkanaki, Dj. Macut
Thessaloniki, Greece, and Belgrade, Serbia
- P32 The effect of weight loss on the levels of adipokines in obese patients with polycystic ovary syndrome**
N. Spanos, K. Tziomalos, Dj. Macut, E. Koiou, E.A. Kandaraki, D. Delkos,
E. Tsourdi, J. Bjekić Macut, D. Panidis
Thessaloniki, Greece, and Belgrade, Serbia
- P33 PCOS phenotype among morbid obese women prepared for bariatric surgery**
S. Polovina, M. Šumarac-Dumanović, D. Pejković-Stamenković, D. Jeremić,
J. Milin, D. Micić
Belgrade, Serbia

General Information

Symposium Venue and Date

The Symposium will take place at Hyatt Regency Belgrade on 16-17 November 2012.

Symposium Language

The official language will be English.

Registration and Information Desk

Registration Fees

Full Registration **150 €**

In-training* **100 €**

One-Day **120 €**

***Certificate on the status is necessary**

The registration and information desk will be in the lobby of Hyatt Regency Belgrade.

Accommodation

Hyatt Regency Hotel **** www.belgrade.regency.hyatt.com

Hotel Moskva Belgrade **** www.hotelmoskva.rs

Hotel Balkan Belgrade **** www.balkanhotel.net

Important Information:

Deadline for Abstracts: 15th October 2012

Deadline for registration: 15th October 2012

Late registration surcharge: 50 EUR per person

Congress Secretariat

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„The sky over Belgrade is vast and high, changeable but always wonderful; in fair winters with chilly splendor; in summer storms when the whole sky turns into a single dark cloud, which, chased by the crazy wind, carries rain mixed with dust from the Pannonian Plain; in spring, when it also seems to be in bloom, just like the land; and in autumn, when it is heavy with autumn swarms of stars. Always beautiful and rich, as a compensation to this strange city for everything there isn't in it and consolation for everything there shouldn't be.“

On Belgrade by: **Ivo Andrić, Serbian Nobel Prize Winner**



Belgrade is one of the oldest cities in Europe with a **7000-year** history. The space around the large rivers of the Sava and Danube was already populated in the Stone Age. The Celts named the populated fortress **SINGIDUNUM**, where the first part of the word „Singi“ means round, and „dunum“ fortification or town. In the Byzantine Age, Singidunum became an important city of the vast empire. The Slavic name **BEOGRAD** (Beli grad – White City – probably because its ramparts were made of white limestone) may first be found in records from the 9th century. Belgrade flourished in 19th and 20th centuries during the reign of the Obrenovic dynasty and Karadjodjevic dynasty. It was then and it still is an important strategic point, the crossroads from the East to the West and one of the most significant cities in the Balkans.

Visitors who come to Belgrade for the first time, never leave indifferent, and always come back to it with joy.



Belgrade, the capital of Serbia, is the third largest city in South-eastern Europe after Istanbul and Athens. Just over 1,700,000 people live in it. Belgrade is the city of youth. More than 40% of its citizens are between 15 and 44 years of age. All citizens of Belgrade love to talk of the spirit of the city. Open and ever ready for fun, many Belgraders will claim to be true hedonists – and many of them really are - knowing all there is to know about good food, wine and music. The citizens of Belgrade like all sorts of things: pleasant conversations and long walks, drinking their morning coffee or days off work, they also love it when they find freshly baked warm bread in the local bakery. They like being in motion and therefore the streets, walkways, cafes and restaurants are always filled with people.

More importantly, Belgraders like everyone,so get to know Belgrade by getting to know Belgraders!



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