

AEPCOS NEWSLETTER

ANDROGEN EXCESS & PCOS SOCIETY

AEPCOS newsletter

March 2018

In this issue

- * Highlights of the 2nd AEPCOS Update Meeting, Chicago, IL, USA

Editorial Board

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FORTHCOMING AEPCOS MEETINGS

- 16th AEPCOS Annual Meeting, September 23-25, 2018, Stockholm, Sweden
- Postgraduate course at ASRM, October 6, 2018, Denver, Colorado, USA
- 2nd Middle East AEPCOS Meeting, October 19, 2018, Amman, Jordan
- 17th AEPCOS Annual Meeting, October 2019, Rio de Janeiro, Brazil

AEPCOS Update Meeting

Chicago, Illinois, United States of America - March 17, 2018

Summarized by Anju Joham, PhD

The meeting, organized by the AEPCOS Board-appointed Update Meeting Program Committee of David Abbott (Madison, USA) and Elisabet Stener-Victorin (Stockholm, Sweden), was designed to focus on “AMH and Developmental Origins of PCOS”. The meeting included oral presentations only and the program was comprised of invited lectures, research updates and presentations of abstracts by young investigators.

The two opening lectures were by Andrea Dunaif, Mount Sinai Hospital, New York, summarizing the genetic data on PCOS and thereafter focusing on the role of genetic variants of AMH and their possible role in the pathogenesis of PCOS. This lecture was followed by Jenny Visser, from Erasmus MC in Rotterdam, The Netherlands, who provided the audience with basic information on AMH. She elegantly covered the molecular background of AMH and the interaction with its receptor as well as what role AMH seems to play in female reproduction. This lecture was followed by some really exciting data from Paolo Giacobini, from the group of the University of Lille, France, presenting new data on how AMH and its type II receptor might interact with GnRH neurons in the midbrain. Combining in vivo and in vitro experiments, he showed that AMH increases GnRH-dependent LH pulsatility and secretion, supporting a central action of AMH on GnRH neurons. He also showed some data of the effects of prenatal exposure to high levels of AMH and their effects on the offspring.

These first sessions were followed by several short communications mostly from young investigators



elegantly presenting interesting data. In between the two oral communication sessions a debate questioning who is the worst villain AMH or testosterone in PCOS? This was an engaging lively debate between Prof Joop Laven (Rotterdam, Netherlands) and Prof Jeffrey Chang (San Diego, USA).

AEPCOS Update Meeting (Continued)

Chicago, Illinois, United States of America - March 17, 2018

Summarized by Anju Joham, PhD

They concluded that AMH might be the primary villain; however hypothalamic pituitary gonadal axis disruption might cause androgens to rise amongst others.

The afternoon session commenced with several interesting short communications focusing on basic research in PCOS. In the afternoon Kelle Moley, Washington University, St Louis presented data on the effects of obesity on oocyte quality. She also presented data on the transgenerational effects of obesity on oocyte quality and health of offspring. Sanjiv Risal from the Karolinska Institute, Stockholm, Sweden presented data on the effect of maternal overfeeding and androgen excess and its effect on oocyte quality. The latter two sessions were followed by lectures by Kate Hardy, from Imperial College, London, UK addressing the role of AMH through its interaction with androgen synthesis and the subsequent effect this might have on pre-antral follicle development. Finally, Michael Pankhurst from the University of Otago, Dunedin, New Zealand, gave his presentation providing data on how AMH overexpression in transgenic mice alters pre-antral follicle development and caused miscarriage in his mouse model. The meeting was closed by Elisabeth Stener-Victorin our President Elect and she announced the program as well as the venue of the next annual AE-PCOS meeting in Stockholm Sweden in September 2018.



FORTHCOMING MEETINGS

3rd Indian PCOS Annual Conference
June 22-24 2018, Gurgaon, New Delhi, India

AEPCOS Postgraduate Course
August 21, 2018, Vilnius, Lithuania

16th Annual Meeting of the AE-PCOS Society
September 23-25, 2018, Stockholm, Sweden

AEPCOS Postgraduate Course at ASRM Annual Meeting
October 6, 2018, Denver, Colorado, USA

ASRM Annual Meeting
October 6-10, 2018, Denver, Colorado, USA

2nd Middle East AEPCOS Meeting
October 19, 2018, Amman, Jordan

Latin America AEPCOS Postgraduate course (Spanish language)
Antigua, Guatemala, November 8, 2018

AEPCOS Update Meeting at the Endocrine Society
March 22, 2019, New Orleans, LA, USA

Endocrine Society Annual Meeting
March 23-26, 2019, New Orleans, LA, USA

17th AEPCOS Annual Meeting
October 2019, Rio de Janeiro, Brazil

You may get more details of the meetings at our website: www.ae-society.org or by sending an email to: info@ae-society.org