

SEPTEMBER 11, 2010

Pre-meeting course

MANIFESTATIONS OF ANDROGEN EXCESS

Time	Speaker	Topic
2:00 – 3:30 pm	<i>Registration</i>	
3:00 – 3:10 pm	ROGERIO LOBO, M.D. <i>President of AE-PCOS Society</i>	Welcome and Introduction
3:10 – 4:30 pm	<i>Chair: MICHEL PUGEAT, M.D.</i> <i>Lyon, France</i>	<i>Session I</i>
3:10 – 3:30 pm	CHRISTOS ZOUBOULIS, MD <i>Department of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center Dessau, Germany</i>	CUTANEOUS BIOLOGY: INFLUENCE OF ANDROGENS ON THE PILO-SEBACEOUS UNIT
3:30 – 3:50 pm	ROGERIO LOBO, M.D. <i>Department of Obstetrics and Gynecology, Columbia University, New York, USA</i>	WHAT SHOULD BE THE DIAGNOSTIC APPROACH FOR HIRSUTE PATIENTS?
3:50 – 4:10 pm	SELMA WITCHEL, M.D. <i>Department of Pediatrics, University of Pittsburgh Pittsburgh, USA</i>	CONGENITAL ADRENAL HYPERPLASIA: WHAT HAPPENS AS GIRLS TRANSITION INTO ADULTHOOD?
4:10 – 4:30 pm	Q&A	
4:30 – 5:00 pm	COFFEE BREAK	
5:00 – 6:20 pm	<i>Chair: HECTOR ESCOBAR-MORREALE, M.D.</i> <i>Madrid, Spain</i>	<i>Session II</i>
5:00 – 5:20 pm	FAHRETTIN KELESTIMUR, M.D. <i>Department of Endocrinology, Erciyes University, Kayseri, Turkey</i>	TREATMENT OF HIRSUTISM: WHAT IS THE BEST THERAPY?

5:20 – 5:40 pm	FRANCA FRUZZETTI, M.D. <i>Department of Obstetrics and Gynecology, University of Pisa, Pisa, Italy</i>	HOW TO CHOOSE AN ORAL CONTRACEPTIVE FOR THE TREATMENT OF HIRSUTISM?
5:40 – 6:00 pm	WALTER FUTTERWEIT, M.D. <i>Department of Endocrinology, Mount Sinai Medical Centre, New York, USA</i>	WHAT IS ANDROGENIC ALOPECIA AND HOW IS IT TREATED?
6:00 – 6:20 pm	Q&A	

SEPTEMBER 12, 2010

8TH

AEPCOS ANNUAL MEETING

Time	Speaker	Topic
7:30 – 8:30 am	Registration	
7:50 – 8:00 am	ROGERIO LOBO & JOHN NESTLER	Welcome
8:00 – 9:20 am	Chair: HELEN MASON, <i>London, United Kingdom</i>	SESSION I: PCOS Pathogenesis: Is there a role of prenatal androgens?
8:00 – 8:20 am	SERGIO RECARREN, M.D. <i>Department of Endocrinology, University of Concepcion, Chillan, Chile</i>	PRENATALLY ANDROGENS: LESSONS FROM MALE AND FEMALE SHEEP
8:20 – 8:40 am	DAVID ABBOTT, Ph.D. <i>Primate Center University of Wisconsin Madison, WI, USA</i>	PRENATALLY ANDROGENIZED RHESUS MONKEYS: IS THE METABOLIC PERTURBATION KEY?
9:00 – 9:15 am	Q&A	

9:15 – 9:50 am	Chair: WALTER FUTTERWEIT, M.D. New York, USA	Landon Morley Sawyer Lecture
9:20 – 9:40 am	WYLIE HEMBREE, M.D. Department of Endocrinology, Columbia University, New York, USA	ANDROGENS AND TRANSSEXUALISM: REEXAMINATION AND NEW HYPOTHESES
9:40 – 9:50 am	Q & A	
9:50 – 10:20 am	COFFEE BREAK	
10:20 – 11:45 am	Chair: JOHN NESTLER, M.D. Richmond, USA	SESSION II: PCOS: inflammation and metabolic dysfunction
10:20 – 10:40 am	EVANTHIA DIAMANTI-KANDARAKIS, M.D., Ph.D. Department of Medicine, University of Athens, Athens, Greece	DO AGES CONTRIBUTE TO THE CO-MORBIDITIES OF PCOS?
10:40 – 11:00 am	KAI CHEANG, Phar.D., M.Sc. Department of Pharmacy Virginia Commonwealth University Richmond, VA, USA	METABOLIC SYNDROME AND PCOS: A ROLE FOR METFORMIN?
11:00 – 11:20 am	ANTONI DULEBA, M.D. Department of Obstetrics and Gynecology, University of California Davis, Sacramento, CA, USA	PCOS AND INFLAMMATION: A ROLE FOR STATINS IN THE TREATMENT OF PCOS?
11:20 – 11:35 am	Q & A	
11:35 am -12:50 pm	Chairs: ELISABET STENER-VICTORIN Goteborg, Sweden ANDREAS SCHURING, M.D. Munster, Germany	Session: Oral Communications 1 – Basic
11:35 – 11:45 am	NICOLAS CRISOSTO Endocrinology and Metabolism Lab University of Chile Santiago, Chile	Modulation of antimullerian hormone by testosterone in human granulosa cells from small antral follicles
11:45 – 11:55 am	HELEN MASON St George's University London, United Kingdom	Possible mechanism of AMH contribution to anovulation in PCOS

11:55 am – 12:05 pm	FRANK GONZALEZ, M.D. <i>Department of Obstetrics and Gynecology Mayo Clinic Rochester, USA</i>	Androgen administration induces the expression of NF-KAPPA-B, TNF-ALPHA and IL-1-BETA in mononuclear cells of normal reproductive-age women
12:05 – 12:15 pm	HUGO SCAGLIA <i>Laboratory of Hormonal Assays Italian Hospital La Plata, Argentina</i>	Quantification of testosterone by 8 immunoassays, and by liquid chromatography in tandem with mass spectrometry in normal and hirsute women. Part 2: hirsute women
12:15 – 12:30 pm	Q & A	
12:30 – 1:00 pm	<i>Chair: LUDWIG WILDT, M.D. Innsbruck, Austria</i>	<i>Session: Special AEPCOS report</i>
12:30 – 12:50 pm	ROBERT NORMAN, M.D. <i>Department of Obstetrics and Gynecology University of Adelaide, Adelaide, Australia</i>	THE AUSTRALIAN NATIONAL ALLIANCE FOR PCOS: A SUCCESSFUL MODEL FOR FUNDING AND COLLABORATION
12:50 – 1:00 PM	Q & A	
1:00 – 2:00 pm	LUNCH and POSTER SESSION	
2:00 – 3:00 pm	<i>Chair: ROLAND GARTNER, M.D. Munich, Germany PAOLO MOGHETTI, M.D. Verona, Italy</i>	<i>Session: Oral Communications 2-Short presentations</i>
2:00 – 2:20 pm	Elena Grodnitskaya <i>Moscow, Russia</i> Ariachery Ammini <i>New Delhi, India</i> Michel Pugeat <i>Lyon, France</i> Robert Spaczynski, <i>Poznan, Poland</i>	Prevalence of NCAH in Russia Puberty in CAH FOXL2 deletion in hyperandrogenism Autonomic cardiovascular function in PCOS
2:20 – 2:30 pm	Q & A	
2:30 – 2:50 pm	Simona Fica, <i>Bucharest, Romania</i> Cecilia Bonin <i>Verona, Italy</i> Aleksandra Kruszynska <i>Warsaw, Poland</i>	TSH and insulin resistance in PCOS Uterine artery Doppler in PCOS Metformin on proinsulin and lipids in PCOS

	Sigrun Kjotrod <i>Trondheim, Norway</i>	Metformin on AMH in PCOS
2:50 – 3:00 pm	Q & A	
3:00 – 3:30 pm	COFFEE BREAK	
3:30 - 5:00 pm	Chair: FRANK GONZALEZ <i>Rochester, USA</i>	SESSION III: Ovulation induction in PCOS: "Let me count the ways"
3:30 – 3:50 pm	RICHARD LEGRO, M.D. <i>Department of Obstetrics and Gynecology, University of Pennsylvania, Hershey, PA, USA</i>	CLOMIPHENE
3:50 – 4:10 pm	ROY HOMBURG, M.D. <i>Reproductive Medicine, Maccabi Medical Services & Barzilai Medical Center, Ashkelon, Israel</i>	AROMATASE INHIBITORS
4:10 – 4:30 pm	RENATO PASQUALI, M.D. <i>Department of Endocrinology, University of Bologna, Bologna, Italy</i>	METFORMIN
4:30 – 5:00 pm	GENERAL DISCUSSION	FIRST LINE TREATMENT OF ANOVULATION IN PCOS
5:00 – 6:00 pm	Chairs: ONNO JANSSEN, M.D. <i>Hamburg, Germany</i> BULENT YILDIZ, M.D. <i>Ankara, Turkey</i>	Session: Oral Communications 3 - Clinical
5:00 -5:10 pm	ELISABET STENER-VICTORIN, Ph.D. <i>Institute of Neuroscience and Physiology University of Goteborg Goteborg, Sweden</i>	The impact of low-frequency electro-acupuncture and physical exercise on hyperandrogenism and oligo/amenorrhea in PCOS: a randomized controlled trial
5:10 – 5:20 pm	SARA AZZOLINI, M.D. <i>Department of Medical and Surgical Sciences University of Padova Padova, Italy</i>	Different effects of low glucidic diet and metformin treatment in ovarian steroidogenesis in obese PCOS patients

5:20 - 5:30 pm	ANDREJ ZMACZYNSKI, M.D. <i>Department of Gynecological Endocrinology Jagellonian University Krakow, Poland</i>	Tissue glucose utilization and hyperandrogenemia in women with PCOS.
5:30 -5:40 pm	BARBARA OBERMAYER-PIETSCH, M.D. <i>Department of Internal Medicine University of Graz Graz, Austria</i>	Effect of vitamin d treatment on glucose metabolism and menstrual frequency in PCOS women
5:40 – 5:55 pm	Q & A	
6:00 – 6:40 pm	Chair: ENRICO CARMINA, M.D. <i>Executive Director Androgen Excess & PCOS Society</i>	BUSINESS MEETING

POSTERS

- Quantification of testosterone (t) by 8 immunoassays, and by liquid chromatography in tandem with mass spectrometry (lc-ms) in normal and hirsute women. a multicenter study. part 1: normal women.** Scaglia HE, Aquilano DR, Buccini G; Chichizola C, Corazza N, Corthey C, Fuillerat S, Guevel L; Ibañez G, Lacoste E, Mohr A, Nosetto S, Orsi M, Piaggio R, Riesco O, Sandoz S, Scaglia J, Viola AM, Wolfthal D, Zylbersztejn CC.Laboratorio de Determinaciones Hormonales, Hospital Italiano, La Plata, Argentina
- Blepharophimosis ptosis epicanthus inversus (BEPS) syndrome with FOXL2 deletion in a postmenopausal woman with hypertrichosis.** Raverot G (1), Plotton I (1), Rebattu B (1), D'haene B (2), De Baere E (2), Pugeat M (1). (1)Federation de Endocrinologie, Groupment Hospitalier Est, Hospices Civils de Lyon, Université Lyon 1, France and (2)Center for Medical Genetics, Ghent University Hospital, Belgium
- Hirsutism in women: an ovarian related problem.** E.C. Oostingh(1), Y. Louwers(1), W. van Dorp(1), F.H. de Jong(2) and J.S.E. Laven(1).(1)Divisions of Reproductive Medicine, Department of Obstetrics and Gynecology, Erasmus MC, University Medical Centre, 3000 CA Rotterdam, The Netherlands. and (2) Department of Internal Medicine, Erasmus MC, University Medical Centre, Rotterdam, The Netherlands
- Assessment of hirsutism among Korean women: results of a randomly selected sample of women seeking pre-employment physical check-up.** Chae SJ (1), Kim JJ (2), Hwang KR (2), Choi YM (2). (1)Maria Fertility Hospital, Seoul, Korea and (2) Dept. of Ob/Gyn, Seoul National University Hospital, Seoul, Korea
- A novel entity of female functional androgenization (FA).** Geisthovel F, Textor W, Wetzka B. Centre of Gynecological Endocrinology and Reproductive Medicine Freiburg (CERF), Freiburg i. Br., Germany
- Gender identity among individuals with DSD: a seesaw relationship between nature and nurture.** Joseph AA (1), Kulshrestha B (2), Mehta M (1). (1) All India Institute of Medical Sciences, New Delhi, India (2) Ram Manohar Lohia Hospital, New Delhi, India

7. **The prevalence of nonclassic adrenal hyperplasia due to 21=hydroxylase deficiency among Russian women with hyperandrogenism.** Grodnitskaya EE, Kurtser MA. Centre of Family Planning and Reproduction, Moscow City Health Protection Department, Moscow, Russia
8. **Pubertal development among girls with congenital adrenal hyperplasia initiated on treatment at different ages.** Kulshreshtha Bindu, MD, DM, Marumudi Eunice PhD, Ariachery Ammini MD, DM, Department of Endocrinology, All India Institute of Medical Sciences, New Delhi, India
9. **Prenatal testosterone excess alters seminal and cellular characteristics in male sheeps via its androgenic actions.** Rojas-García P (1), Recabarren MP (1), Palma S (1), Tovar H (1), Gabler C (2), Einspanier R (2), Maliqueo M (3), Sir-Petermann T (3), and Recabarren SE (1).(1) Laboratory of Animal Physiology and Endocrinology, Faculty of Veterinary Sciences, University of Concepción, Chillán, Chile (2) Institute of Veterinary-Biochemistry, Freie Universität Berlin, Germany (3) Laboratory of Endocrinology and Metabolism, Department of Internal Medicine, Western Faculty of Medicine, University of Chile, Santiago, Chile.
10. **Neuron-like ovarian cells involvement in the cystic ovary condition observed during ageing in rats.** Greiner M, Jofré FJ, Lara HE, Paredes AH. Laboratory of Neurobiochemistry. Dept. of Biochemistry and Molecular Biology, Faculty of Chemical and Pharmaceutical Sciences, University of Chile, Santiago, Chile
11. **Survey of physicians practice on diagnosis and treatment of abnormal glucose tolerance in polycystic ovary syndrome.** Abdel-Rahman MY (1)(3), Abdellah A (2), Ismail S (3), Hurd (1) Depts of OB/GYN, (1) Case Western Reserve University, Cleveland, OH, USA, (2) Qena University, Qena, Egypt, (3) Sohag University, Sohag, Egypt
12. **Comparison of methods for identifying insulin resistance, impaired glucose tolerance and diabetes mellitus in women with Polycystic Ovary Syndrome.** Abdel-Rahman MY (1)(3), Ismail S (3), Sood A (2), Abdel-Khalek M (3), Weil S (1), Hurd WW (1). Depts of (1) OB/GYN and (2) Medicine, Case Western Reserve University, Cleveland, OH, USA, Depts of OB/GYN (3) Sohag University, Sohag, Egypt.
13. **Uterine artery dopplers are independent on metabolic alterations in women with PCOS.** Bonin C (1), Signori C (1), Tosi F (2), Di Sarra D (2), Zambotti F (2), Donati M (2), Spiazzi G (2), Moghetti P (2). (1) Obstetrics and Gynecology, Azienda Ospedaliera Universitaria Integrata di Verona and (2) Endocrinology and Metabolism, Department of Medicine, University of Verona, Verona, Italy
14. **Clinical characteristics of Deagu- Kyunpook PCOS women.** Lee TH (1), Bae JY (1), Kim MK (2). (1) Dept. of Ob/Gyn, School of Medicine, Kyungpook National University, Daegu, Kyungpook, South Korea and (2) Dept. of Immunology, School of Medicine, Kyungpook National University, Daegu, Kyungpook, South Korea
15. **Clinical hyperandrogenism and biochemical hyperandrogenism are differently associated with insulin resistance and other metabolic abnormalities in women with PCOS.** Di Sarra D (1), Tosi F (1), Bonin C (2), Dell'Álda M (1), Spiazzi G (1), Signori C (2), Moghetti P (1). (1) Endocrinology and Metabolism, Department of Medicine, University of Verona, Verona, Italy and (2) Obstetrics and Gynecology, Azienda Ospedaliera Universitaria Integrata di Verona, Verona, Italy
16. **Natural history and long-term consequences of PCOS.** Chebotnikova TN, Melnichenko GA, Iliia AV. National Endocrinology Research Centre, Moscow, Russia
17. **Androgen receptor CAG repeat polymorphism and epigenetic influence among the South Indian women with PCOS.** Dasgupta S (1), Sirisha PVS (1), Neelaveni K (2), Anuradha K (3), Reddy AG (4), Thangaraj K (4), Reddy BM (1). (1) Molecular Anthropology Group, Biological Anthropology Unit, Indian Statistical Institute, Habsiguda (2) Department of Endocrinology, Osmania General Hospital (3) Anu Test Tube Baby Centre, Somajiguda (4) Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad, India
18. **The significance of hyperandrogenism in Chinese PCOS: the clinical analysis of 4000 cases** Linlin Cui, M.D., Ph.D., Yuhua Shi, M.D., Ph.D., Jinlong Ma, M.D., Ph.D., Yuqian Cui,

M.D., Ph.D., Li You, Zi-Jiang Chen*, M.D., Ph.D. Center for Reproductive Medicine, Provincial Hospital Affiliated to Shandong University, Jinan, Shandong, China, 250021

19. **Cytokine levels and production in young PCOS subjects.** Anna M. Fulghesu, Francesca Sanna, Sabrina Uda, Roberta Magnini, Elaine Portoghese, and Barbara Batetta. Dipartimento di Scienze Chirurgiche, Materno Infantile e delle Immagini Azienda Mista Ospedale Università, Università degli Studi di Cagliari, Italy
20. **The analysis of dose/response in metformin treatment in adolescent in PCOS subjects.** Fulghesu AM, Congiu L. Dipartimento di Scienze Chirurgiche , Materno Infantile e delle Immagini Azienda Mista Ospedale Università, Università degli Studi di Cagliari, Italy
21. **Ongoing pregnancy success rate in young women with PCOS undergoing ovulation induction with clomiphene citrate.** Glueck JS, Goodman NF. Department of Medicine, Division of Diabetes, Endocrinology and Metabolism, Miller School of Medicine, University of Miami, Miami, FL, USA
22. **Anti-mullerian hormone as a differential-diagnostic marker of ovarian hyperandrogenemia.** Ismailov SI, Khaidarova FA, Tojjeva IM. Center for the Scientific and Clinical Study of Endocrinology, Uzbekistan Public Health Ministry, Tashkent, Uzbekistan
23. **S-AMH levels during metformin pre-treatment and IVF-cycle in PCOS women.** Kjørtrød SB. (1), von Düring V.(1), Sunde A.(1), Romundstad LB(1), Kierulf K(1), Stoum H.(1), Carlsen S.(2). (1) IVF Unit, Department of Obstetrics and Gynecology, Trondheim University Hospital, 7006 Trondheim and (2) Unit of Applied Clinical Research, NTNU, 7489 Trondheim, Norway
24. **Metabolic alterations do not predict PCOS in adolescent women.** Rizzo M (1), Perini D (2), Fruzzetti F (2), Lobo RA (3), Carmina E (1). (1) Department of Medical and Biological Sciences, University of Palermo, Palermo, Italy, (2) Department of Obstetrics and Gynecology, University of Pisa, Pisa, Italy, (3) Department of Obstetrics and Gynecology, Columbia University, New York, NY, USA
25. **Ovarian function during late reproductive age and early menopausal transition in women with polycystic ovary syndrome.** Ladrón de Guevara A (1), Preisler J (1), Maliqueo M (1), Echiburú B (1), Crisosto N (1), Bianchi M (2), Soto E (1), Sir-Petermann T (1,2). (1) Endocrinology and Metabolism Laboratory, West Division, School of Medicine, University of Chile and Department of Obstetrics and Gynecology, Clinica las Condes. Santiago, Chile
26. **Effects of metformin therapy on salivary testosterone and androstenedione in women with polycystic ovary syndrome.** Szydłarska D, Bartoszewicz Z, Kondracka A, Bar-Andziak E. Department of Internal Medicine and Endocrinology, Medical University of Warsaw, Warsaw, Poland
27. **Metabolic Phenotype and Cardiovascular risk factors in the first degree relatives of Chinese women with Polycystic Ovary Syndrome.** Tao Tao, Xiuying Mao, Jiejun Yang, Jia wen Zhou, Wei Liu. Department of Medicine and Endocrinology, Renji Hospital , Shanghai Jiaotong University Medical School, 1630 Dongfang Road , Pudong , Shanghai, 200127 , P.R China
28. **Obesity worsens but metformin treatment prevents hyperproinsulinemia, hyperandrogenemia and dyslipidemia in young PCOS women.** Kruszyńska A, Karpińska-Gasztol E. Department of Endocrinology, Medical Centre of Postgraduate Education, Warsaw, Poland
29. **Follicular fluid chemerin concentrations are increased in women with polycystic ovary syndrome (PCOS).** Fu L, Qiao J, Zhang X, Li JS, Fan M, Jin HY. Center of Reproductive Medicine, Dept. of Ob/Gyn, Peking University Third Hospital, Beijing, People's Republic of China
30. **Autonomic cardiovascular function is not impaired in young overweight women with polycystic ovary syndrome (PCOS).** Spaczynski RZ(1), Guzik P(2), Banaszewska B(1), Krauze T(2), Wykretowicz A(2), Pawelczyk L(1). (1) Div of Infertility & Reproductive Endocrinology, Dept of Gynecology, Obstetrics, & Gyn Oncology, Poznan University of Medical Sciences and (2) Dept of Cardiology - Intensive Therapy, Poznan University of Medical Sciences, Poznan, Poland.
31. **The relationship between thyroid stimulating hormone and insulin resistance in euthyroid polycystic ovary syndrome patients** Fica S(1), Albu A(2), Constantin M(2), Antonie L(2),

Florea S(2). (1) Dept. of Endocrinology, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; and (2) Dept. of Endocrinology, Elias Hospital, Bucharest, Romania

32. **Extended fertility in PCOS women during ART.** JR Mellembakken,¹ SL Berga,² M Kilen,³ T Tanbo,¹ T Åbyholm,¹ P Fedorcsák¹. ¹ Section for Reproductive Medicine, Department of Gynecology, Oslo University Hospital, Oslo, Norway; ²Department of Gynecology and Obstetrics, Emory University School of Medicine, Atlanta, Georgia, USA; ³Faculty of Medicine, University of Oslo, Oslo, Norway.
33. **Environmental effects on adrenarche, pubertal progression and risks for PCOS in migrant Bangladeshi girls in the UK.** Houghton LC (1), Booth M (2), Bentley GR (1, 2). (1) Dept of Anthropology, Durham University, Durham, England UK and (2) Wolfson Research Institute, Durham University, Durham, England, UK
34. **Prevalence of hypovitaminosis D in women with polycystic ovary syndrome (PCOS) its correlation with metabolic disturbances.** Mohd Ashraf Ganie,* M A Zargar, **Syed Mudasir,* Iram Rabbani, #N Tandon, @ RK Marwaha. Departments of Endocrinology, **Clinical biochemistry Sher-I-Kashmir Institute of Medical Sciences, *Clinical biochemistry University of Kashmir Srinagar, #Department of Endocrinology and Metabolism All India Institute of Medical Sciences and @ Department of Endocrinology Institute of Nuclear Medicine and Allied Sciences, Timarpur New Delhi.