National Institutes of Health Office of Disease Prevention
Evidence-based Methodology Workshop on Polycystic Ovary Syndrome

December 3–5, 2012

Agenda

Monday, December 3, 2012
Bethesda Marriott
5151 Pooks Hill Road
Bethesda, Maryland 20814

5:00 p.m.   Registration Opens

6:30 p.m.   Workshop Overview
            Louis V. DePaolo, Ph.D.
            Chief
            Fertility and Infertility Branch
            Eunice Kennedy Shriver National Institute of Child Health and Human
            Development
            National Institutes of Health

6:45 p.m.   Welcome
            David M. Murray, Ph.D.
            Associate Director for Prevention
            Director, Office of Disease Prevention
            Office of the Director
            National Institutes of Health

7:00 p.m.   Overview of the Literature Search Methodology
            Nancy Terry, M.L.S.
            Biomedical Research Librarian/Informationist
            National Institutes of Health Library
            Division of Library Services
            Office of Research Services
            Office of the Director
            National Institutes of Health

7:30 p.m.   Facilitated Panel and Audience Discussion
            Moderator: Paris A. Watson

8:30 p.m.   Wrap-up, Day 1

9:00 p.m.   Adjourn, Day 1
Tuesday, December 4, 2012
Natcher Conference Center
Building 45, Main Auditorium
National Institutes of Health
Bethesda, Maryland 20892

7:00 a.m. Registration Opens

8:00 a.m. Opening Remarks
Yvonne T. Maddox, Ph.D.
Deputy Director
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institutes of Health

8:10 a.m. Session 1: Diagnostic Criteria Used for Polycystic Ovary Syndrome (PCOS)
Moderator: Andrea Dunai, M.D.

Discussion of the Three Diagnostic Criteria
Andrea Dunai, M.D.
Charles F. Kettering Professor of Endocrinology and Metabolism
Vice Chair for Research
Department of Medicine
Northwestern University Feinberg School of Medicine

8:30 a.m. The 2003 Rotterdam Consensus Criteria Put in Perspective
Bart C.J.M. Fauser, M.D., Ph.D.
Professor of Reproductive Medicine
Utrecht Life Sciences
University Medical Center

8:50 a.m. The 2006 Androgen Excess and PCOS Society Criteria for PCOS: The Critical Importance of Androgenization
Ricardo Azziz, M.D., M.P.H., M.B.A.
Professor Obstetrics, Gynecology, and Medicine
President
Georgia Health Sciences University
Chief Executive Officer
Georgia Health Sciences Health System

9:10 a.m. The Impact of Assay Quality and Reference Range on Clinical Decision-Making in Patients With Androgen Disorders
Shalender Bhasin, M.D.
Professor of Medicine
Boston University School of Medicine
Chief
Section of Endocrinology, Diabetes, and Nutrition
Director
Boston Claude D. Pepper Older Americans Independence Center
Boston Medical Center
Tuesday, December 4, 2012 (continued)

9:30 a.m.  Age at Diagnosis  
Sharon E. Oberfield, M.D.  
Professor of Pediatrics and Director  
Division of Pediatric Endocrinology, Diabetes, and Metabolism  
Columbia University Medical Center

9:50 a.m.  Epidemiology of PCOS  
PonJola Coney, M.D.  
Senior Associate Dean for Faculty Affairs  
Virginia Commonwealth University School of Medicine

10:10 a.m.  Facilitated Panel and Audience Discussion

12:30 p.m.  Lunch—Panel Meets in Executive Session

1:30 p.m.  Session 2: Developmental or Genetic Origins of PCOS  
Moderator: R. Jeffrey Chang, M.D.

Intrauterine Environment  
Daniel Dumesic, M.D.  
Division Chief and Professor, Reproductive Endocrinology and Infertility  
Department of Obstetrics and Gynecology  
University of California, Los Angeles

1:50 p.m.  Role of Postnatal Androgen Exposure  
John C. Marshall, M.B.Ch.B., M.D.  
Director  
Center for Research in Reproduction  
University of Virginia School of Medicine

2:10 p.m.  Early Hormonal Abnormalities in Children Born to Mothers With PCOS  
Teresa Sir-Petermann, M.D.  
Professor  
Laboratory of Endocrinology and Metabolism, West Division  
University of Chile School of Medicine

2:30 p.m.  Ovarian Morphology  
Marcelle I. Cedars, M.D.  
Professor and Director  
Division of Reproductive Endocrinology  
University of California, San Francisco

2:50 p.m.  Role of Obesity Prior to Puberty  
R. Jeffrey Chang, M.D.  
Professor and Director  
Division of Reproductive Endocrinology  
Department of Reproductive Medicine  
University of California, San Diego School of Medicine

3:10 p.m.  Break
Tuesday, December 4, 2012 (continued)

3:30 p.m.  Epigenetic Nonhuman Primate Model Demonstrates Metabolic Antecedents to PCOS-Like Traits
    David H. Abbott, Ph.D.
    Professor
    Department of Obstetrics and Gynecology
    Wisconsin National Primate Research Center
    University of Wisconsin

3:50 p.m.  Androgen Effects on the Central Circuits Affecting Fertility
    Sue Moenter, Ph.D., M.S.
    Professor
    Departments of Molecular and Integrative Physiology, Internal Medicine, and Obstetrics and Gynecology
    University of Michigan School of Medicine

4:10 p.m.  Developmental Programming of PCOS Phenotype: Impact of Maternal/Fetal Environment
    Vasantha Padmanabhan, Ph.D.
    Professor
    Departments of Pediatrics, Obstetrics and Gynecology, Molecular and Integrative Physiology, and Environmental Health Sciences
    University of Michigan School of Medicine

4:30 p.m.  Genetics
    Margrit Urbanek, Ph.D.
    Associate Professor
    Division of Endocrinology
    Department of Medicine
    Northwestern University Feinberg School of Medicine

4:50 p.m.  Genome-Wide Association Studies: Predisposition to Comorbidities
    Jose C. Florez, M.D., Ph.D.
    Assistant Physician in Endocrinology
    Center for Human Genetic Research Diabetes Unit
    Massachusetts General Hospital
    Associate Professor
    Harvard Medical School
    Associate Member
    Broad Institute

5:10 p.m.  Facilitated Panel and Audience Discussion

6:15 p.m.  Wrap-up, Day 2

6:30 p.m.  Adjourn, Day 2
Wednesday, December 5, 2012
Natcher Conference Center
Building 45, Main Auditorium
National Institutes of Health
Bethesda, Maryland 20892

8:00 a.m.  Registration Opens

8:30 a.m.  Session 3: Long-Term Health Consequences of PCOS

Moderator: Adrian S. Dobs, M.D., M.H.S.

Type 2 Diabetes and Prediabetes in Women With PCOS
Adrian S. Dobs, M.D., M.H.S.
Professor of Medicine and Oncology
Division of Endocrinology and Metabolism
The Johns Hopkins University School of Medicine

8:50 a.m.  Cardiovascular Disease

Evelyn O. Talbott, Dr.P.H., M.P.H.
Professor
Department of Epidemiology
Program Director
Environmental Epidemiology Program
Graduate School of Public Health
University of Pittsburgh

9:10 a.m.  Obstructive Sleep Apnea in PCOS: Causes and Consequences

David A. Ehrmann, M.D.
Professor of Medicine and Associate Director
University of Chicago Clinical Research Center
Director
Center for Polycystic Ovary Syndrome
University of Chicago Medical Center

9:30 a.m.  Endometrial and Other Cancers

Kurt T. Barnhart, M.D., M.S.C.E.
William Shippen, Jr. Professor of Obstetrics and Gynecology and Epidemiology
Director
Women’s Health Clinical Research Center
Division of Reproductive Endocrinology and Infertility
University of Pennsylvania Medical Center

9:50 a.m.  Break
Wednesday, December 5, 2012 (continued)

10:10 a.m.  **Nonalcoholic Fatty Liver Disease**  
*Silva Arslanian, M.D.*  
Chief  
Weight Management and Wellness Center  
Director  
Pediatric Clinical and Translational Research Center  
University of Pittsburgh Medical Center (UPMC) Richard L. Day  
Endowed Chair in Pediatrics  
Professor of Pediatrics  
University of Pittsburgh School of Medicine  
Children’s Hospital of Pittsburgh of UPMC

10:30 a.m.  **Mental Health**  
*Natalie Rasgon, M.D., Ph.D.*  
Professor  
Department of Psychiatry and Behavioral Sciences  
Stanford Center for Neuroscience in Women’s Health  
Stanford University School of Medicine

10:50 a.m.  **Menopause in Women With PCOS**  
*Rogerio A. Lobo, M.D.*  
Professor of Obstetrics and Gynecology  
Columbia University College of Physicians and Surgeons

11:10 a.m.  **Facilitated Panel and Audience Discussion**

12:30 p.m.  **Lunch**—Panel Meets in Executive Session

1:30 p.m.  **Session 4: Optimal Management Strategies for the Reproductive and Metabolic Consequences of PCOS**  
*Moderator: Rogerio A. Lobo, M.D.*

**Strategies for Management of Metabolic Phenotypes**  
*Stephen Franks, M.D., FRCP, FMedSci*  
Professor  
Institute of Reproductive and Developmental Biology  
Imperial College London  
Hammersmith Hospital

1:50 p.m.  **Strategies for Management of Reproductive and Metabolic Consequences of PCOS**  
*Richard S. Legro, M.D., FACOG*  
Professor of Obstetrics and Gynecology  
College of Medicine  
Milton S. Hershey Medical Center  
Hershey Obstetrics and Gynecology  
The Pennsylvania State University
2:10 p.m.  
**Pregnancy and Its Outcomes**  
*Adam Balen, M.B.B.S., M.D., D.Sc., FRCOG*  
Consultant Obstetrician and Gynaecologist and Subspecialist in Reproductive Medicine  
Honorary Professor of Reproductive Medicine and Surgery  
Leeds General Infirmary and St. James’s University Hospital  
The Leeds Teaching Hospitals NHS Trust  
University of Leeds

2:30 p.m.  
**Role of Prevention and Lifestyle Strategies**  
*Robert Norman, M.D.*  
Director  
Robinson Institute  
Faculty of Health Sciences  
University of Adelaide

2:50 p.m.  
**Role of Family Screening**  
*Okan Bülent Yildiz, M.D.*  
Professor  
Department of Internal Medicine  
Endocrinology and Metabolism Unit  
Hacettepe University School of Medicine

3:10 p.m.  
**Facilitated Panel and Audience Discussion**

4:10 p.m.  
**Final Points by Speakers, Panel, Audience**

5:30 p.m.  
**Workshop Wrap-up**

6:30 p.m.  
**Adjourn Workshop**