Opening Session

Thursday, November 10, 2016
18:30 – 19:30
OPENING SESSION
Chairpersons
Zion Ben-Rafael, Israel
Bart C.J.M. Fauser, The Netherlands
Rene Frydman, France

18:30 – 19:00
Nobel Prize Laureate – Robert G. Edwards: 5th annual lecture
Capsule
Evidence from extensive twin studies reveal that genetic (maternal and fetal) as well as environmental factors contribute to preterm birth. The relative contributions are influenced by race/ethnicity. Identifying the specific genes and the unique environmental factors in different populations may provide risk assessment tools as well as preventative interventions. The Human Microbiome Project, coupled with multi-omic approaches have disclosed previously unappreciated players.

Genetic and environmental factors contributing to preterm birth
Jerry Strauss, USA
Dean, Virginia Commonwealth University School of Medicine

Infertility

Session
IMPROVING THE RESULTS OF ART THROUGH PGS
Capsule
Transferring single embryo to all patients requires that every Improving the results of ART further might require that every embryo be tested and single embryo be transfer every time

Optimizing embryo biopsy techniques
Simon Fishel, UK

Blastocoel analysis for PGS and the potential clinical value of mitochondrial screening assays

Debate: Overcoming the technical gaps will lead to PGS to all embryos… It’s only a matter of time
Yes:
No Evidence for the claim:
Discussion

Endometrioma surgery can be very deleterious for the ovarian reserve
Jacques Donnez, Belgium

A new hysteroscopic approach to the adenomyosis in infertile women

Session

OVARIAN STIMULATION

Principles of ovarian stimulation

Random start ovarian stimulation

Ovarian stimulation: The role of hCG
Christophe Blockeel, Belgium

Where AMH fits into controlled ovarian stimulation
Frank J.M. Broekmans, Netherlands

Session

GENE EDITING: FROM BENCH TO CLINIC AND BACK TO MORATORIUM?

Capsule
“Genome engineering” refers to the process of targeted modification of the genom. Like a “search mode” Cas9 can guide to specific site of intricate genome by string of short RNA. Gene Editing of human germline with CRISPR/Cas9 technology can eventually transform medicine, basic research and biotechnology. How it works? Should it be ban from use on gametes?

Technical aspects of gene editing in gametes and embryos
Possible applications of gene editing in gametes and embryos

Legal aspects and moratorium on gene editing in embryos

**Session**

**LABORATORY WORK CONTRIBUTING TO SUCCESS**

Use of PGD as a first line treatment for mitochondrial disorders

Potential of germ line stem cells
**Evelyn Telfer, UK**

Autologous mitochondria supplementation to the oocyte

**Session**

**FERTILITY PRESERVATION FOR CANCER PATIENTS**

Capsule
*Cancer patients should be informed of options for fertility preservation and future reproduction prior to cancer treatment (ASRM). Reproduction in the context of cancer raises a number of clinical and ethical issues*

New frontier in vitrification for human oocytes and embryos
**Masashige Kuwayama, Japan**

Fertility preservation in the female: What are the prerequisite for success?
**Jacquez Donnez, Belgium**

Fertility preservation for cancer patients: Are we over-using the technique?
**Kirsten L. Tryde Macklon, Denmark**

**Session**

**EMBRYO COMPETENCE AND SELECTION**

Capsule
The art of embryo selection is developing in different directions, should we rely on one method or a combination?

Relevance of embryo competence for successful IVF and role of GCSF

Diafert test integrated in daylily laboratory practice
Session

PCOS

Infertile PCOS patients: When to revert to IVF?

PCOS- Is there a preferred stimulation protocol for IVF?

Success and complication rates of PCOS patients undergoing IVF

Session

RTD ON BURNING CLINICAL ISSUES IN INFERTILITY WITH PANELISTS AND AUDIENCE INTERACTION

Session

RECURRENT IMPLANTATION FAILURE

Implantation failure: Lab prospective

Dealing with ART failure: What stimulation to offer next?

Recurrent miscarriages: New pathological pathways

A new randomized trial of progesterone in women with recurrent miscarriages

Session

HIGHLY CITED DUTCH RESEARCH IN REPRODUCTIVE MEDICINE

Chairpersons
Zion Ben Rafael, Israel
Bart C.J.M Fauser, Netherlands

Rotterdam
Utrecht
Amsterdam
MECHANICAL INFERTILITY
Capsule
To increase implantation rate endometrial factors should be Implantation is
the crucial step to success of IVF. Mechanical factors that affect implantation
are not common but lend themselves to treatment

Debate: Is Exploring the uterine cavity ultrasound enough?
Yes: Andrea Tinelli, Italy
No:
Discussion

Endometrioma surgery can be very deleterious for the ovarian reserve
Jacques Donnez, Belgium

A new hysteroscopic approach to the adenomyosis in infertile women

ADENOMYOSIS
Are adenomyosis and endometriosis the same entity?
Random start ovarian stimulation
Classification of Adenomyosis
Management of adenomyosis
Different surgical options of adenomyosis

TREATING FIBROIDS
SPRMs mechanism of action on fibroids

Debate: Intramural fibroid larger than 3 cm should be operated before IVF
Yes: Jacques Donnez, Belgium
No: Yacoub Khalaf, UK
Discussion

Medical treatment of fibroids in infertile women

Session

THE ENDOMETRIUM: WHAT IS NEW?

Optimum window of implantation in ART: Evidence based data

The emerging role of junctional zone in endometrium formation and implantation potential

Endometrial regeneration: Stem cell therapy in Asherman Syndrome and Atrophic Endometrium

Is the endometrium of women with endometriosis different?

Session

HARVESTING AND CULTURING OOCYTES

Oocyte selection

In vitro activation of dormant follicles

Follicular recruitment after fresh and cryopreserved ovarian transplantation: What can be expected?

In-vitro follicular culture
Evelyn Telfer, UK

Session

LABORATORY WORK

Quality control in ART
Rita Vassena, Spain

How to improve embryo quality in the IVF lab

Epigentics and imprinting in ART
Session
TIME LAPSE: A BREAKTHROUGH OR NICE TO HAVE?
Capsule
Is the new expensive technology now proving to provide better results?
Is the potential benefit now proven?
Time lapse: Does it improve embryo culture
What to do with embryos with reversed cleavage?

Session
ALTERNATIVE PERSPECTIVES ON INFERTILITY CARE
What patient organizations can do for infertile couples?
Content based infertility care
Infertility, stress and its implications
Cross boarder infertility care

Gynecology

Session
CONTROVERSIES IN HPV AND CANCER PREVENTION
Capsule
Novel HPV based technologies and advanced strategies of introduction may prompt a significant reduction in disease burden in the coming decades
Epidemiology of HPV and cancer in Central/Eastern Europe.
Burden of disease and potential for prevention by screening and vaccination
Perspectives on cervical cancer screening

HPV tests validated for population based screening programs. Population impact of HPV vaccines

Session

MENOPAUSE AND FEMALE AGING

The perspective of the GP
The cardiology perspective
The psychiatric perspective
The EU female health research agenda
The need for new HT

Session

NON HORMONAL MANAGEMENT OF MENOPAUSE

Capsule

*The slow bouncing of hormonal prescriptions requires a different solution*

HRT and Osteoporosis Prevention: Are we under-using the best treatment option?  
**Robert Langer, USA**

Vulvovaginal atrophy: What can be achieved by laser?  

Calcium and Vitamin-D: Protection or Harm?  
**Robert Langer, USA**

Non-hormonal treatment of menopause  
**Sven O. Skouby, Denmark**

Session

HORMONAL THERAPY IN MENOPAUSE

Capsule
Many studies claim that we overreacted to the WHI results but yet HT never bounced back to the pre-WHI level

Debate: **HRT with proper timing and chosen regimen, HT is cardiovascular protective**
Yes: Robert Langer, USA
No: Sven O. Skouby, Denmark

Discussion

Can ovarian response to stimulation predict early menopause
Frank J.M. Broekmans, Netherlands

Delaying menopause by ovarian tissue banking
Marie M. Dolmans, Belgium

**Fetomaternatal Medicine**

**Session**

**IUGR**

Can we differentiate the diabetic LGA fetus from the non-diabetic LGA fetus?

IUGR in Twins

How reliable is ultrasound and doppler in prediction of extreme fetal growth?

Are the complications of prematurity due to immaturity, fetal or neonatal inflammation, or both?

The long-term cardiovascular consequences of SGA

**Session**

**PRETERM BIRTH**

New approaches to predict the outcome of threatened or suspected preterm labor

The controversy goes on: Progesterone, Cerclage or Arabin Pessary?
Progesterone Vs Arabin
Andrew Shennan, UK

Transabdominal cerclage Antoine

Treatment of (threatening) preterm birth: insights from recent RCTs

Session
PREVENTION OF PREGNANCY COMPLICATIONS (I) PREECLAMPSIA

Capsule
The ability to predict changes in Markers, weeks before the onset of preeclampsia is the first step in offering prevention plan. What is the medical benefit of prediction? Could close surveillance of the patient at risk prevent the pathology or save maternal and fetal life?

The best method to predict hypertension
Andrew Shennan, UK

The best method to prevent preeclampsia

Should we screen for maternal and child hypertension after birth?

Screening for Thrombophilia and heparin to prevent fetal Death when and why?

Session
PREVENTION OF PREGNANCY COMPLICATIONS

Introductory lecture
The great obstetrical syndromes: Common pathways and possibilities of prevention
Gian Carlo Di Renzo, Italy

Avoiding recurrent miscarriage: Do we have a clue?

Preterm birth: Still an enigma but progesterone can help to prevent
Jane E. Norman, UK

Brain imaging and prognosis of neurodevelopmental outcome in preterm infants
Session

CELL-FREE DNA (cfDNA) TESTING

Capsule
Cell-free DNA (cfDNA) testing is revolutionizing prenatal care by providing a simple, highly accurate, non-invasive screening method for aneuploidy. As demand for cfDNA testing is rising quickly, an increasing number of physicians are offering Non-invasive prenatal testing (NIPT) in their practice. However, questions around clinical implementation, patient counseling, and future applications remain. What do you and your patients need to know about cell-free DNA testing? How do we best integrate cell-free DNA testing into our clinical practice? Is expanding the indications for cell-free DNA testing useful? Where do we go from here?

Screening in pregnancy: Traditional screening for aneuploidy and prediction of preeclampsia

CfDNA testing technology and biology: What do you really need to know?

Implementation of cfDNA testing in clinical practice: Principles and guidelines

Non-invasive prenatal testing: Future perspectives

Session

Debate: VBAC is risky for the woman, child and physician

True:  
Not True: Michael Robson, Ireland

Discussion

Oxytocin to accelerate or induce labour: Time for reflection and standardisation

Michael Robson, Ireland

Discussion

Questions to the panel:

1. CS – Does the technique matter (incision, uterine incision, placental delivery, closure)
2. Late consequences of CS for mother and infant
3. Does a CS increase the time to second live birth?
**Session**

**GESTATIONAL DIABETES**

Obesity and GDM – which is a more important risk factor for PET?

Yariv Yogev, Israel

New treatment strategies (oral antidiabetics; continuus glucose monitoring) for gestational diabetes

Arie Franx, Netherlands

Insulin action in women with PCOS and its relation to gestational diabetes

The long-term effects of diabetes and metabolic syndrome of the mother and father on the offspring

**Session**

**HIGH RISK FOR LITIGATION**

Debate: Routine fetal anomaly screening in the first, second and third trimesters of all pregnancies?

Yes:

No:

Discussion

Debate: Fetal macrosomia can be predicted and prevented?

Yes:

No:

Discussion

Home birth the Dutch model

**Session**

**RTD with the panelists and the audience: Controversies over screening**

Questions to the panel:

1. Screening for thyroid dis.
2. Screening for GBS, CMV, Bacterial vaginosis
3. Cervical length for all?
4 Anomaly scan for all?
5 Screening for aneuploidy to all?
6 Should we screen for GDM prior to 24 weeks?
7 How to define well glycemic control?
8 Vitamins, Omega 3 during pregnancy: Worth taking?
9 What is the optimal weight gain? Maternal risks
10 Exercise – What is OK and what is not
11 Immunizations in pregnancy, which, when

Session
PRENATAL DIAGNOSIS IN THE ERA OF NIPT
Capsule
Non-invasive prenatal testing (NIPT) has evolved and expanded rapidly beyond the common aneuploidies and beyond the high risk pregnancy population

Introduction of NIPT in clinical practice

NIPT for single-gene disorders

Can NIPT replace CVS and amniocentesis

Session

Capsule
Non-invasive prenatal testing (NIPT) has evolved and expanded rapidly beyond the common aneuploidies and beyond the high risk pregnancy population

The FIGO CTG interpretation

Adjunct technologies

Is CTG better than the pinard?

Pitfalls in CTG monitoring