Expert Pregnancy Imaging, *featuring Expert Fetal Medicine*, 2019 8 – 11 May 2019 at BMA House, London

Day 1: Early Pregnancy - Chaired by Professor Tom Bourne

Session 1: Early pregnancy complications: mechanisms, treatments and outcomes

 Are we getting close to better understanding the underlying mechanisms that cause miscarriage: stem cells and NK cells?

Professor Jan Brosens (University of Warwick)

• Are there new treatment options for ectopic pregnancy on the horizon?

Professor Andrew Horne (University of Edinburgh)

• Do early pregnancy events influence short and long-term pregnancy outcomes?

Dr Maya Al Memar (Imperial College London)

Top 4 abstracts

Session 2: Prediction and diagnosis in early pregnancy

 How early in pregnancy can we usefully define structural abnormalities in the embryo? (Do new ultrasound technologies help?)

Dr Harsha Shah (Imperial College London)

 How to rationalize the management of pregnancy of unknown location: serum progesterone, the hCG ratio and novel prediction models)

Dr Shabnam Bobdiwala (Imperial College London)

Management options for tubal ectopic pregnancy and case examples

Ms Emma Kirk (Royal Free Hospital, London)

Top 4 abstracts

Session 3: Imaging, trials and impact on patients

How to assess and manage enhanced myometrial vascularity

Professor Dirk Timmerman (KU Leuven, Belgium)

• Caesarean scar pregnancy – diagnosis, management strategies and how to advise patients who chose to continue with the pregnancy

Mr Davor Jurkovic (University College Hospital London)

• What have we learnt from randomised trials in early pregnancy?

Professor Arri Coomarasamy (University of Birmingham)

Top 4 abstracts

Session 4: Early pregnancy events: psychological consequences

• The psychological impact and management strategies for vomiting in pregnancy

Miss Cecilia Bottomley (University College Hospital London)

The psychological impact of early pregnancy events

Dr Jessica Farren (Imperial College London)

Avoiding diagnostic error in early pregnancy

Professor Tom Bourne (Imperial College London)

Top 4 abstracts

Day 2: Prematurity - Chaired by Professor Philip Bennett

Session 1: Preterm birth: strategies and new mechanisms

- The microbiome and its relationship to preterm birth **Dr David MacIntyre (Imperial College London)**
- Population screening by cervical length, progesterone and other interventions
 Professor Bo Jacobsen (University of Gothenberg)

Top 4 abstracts

Session 2: Prematurity prediction and prevention

- Cervical length, fibronectin and other biomarkers
 Professor Andrew Shennan (King's College, London)
- Cervical elastography and the prediction of prematurity
 Dr Richard Brown (Northwick Park Hospital, London)
- The role of cervical cerclage to prevent prematurity
 Dr Lindsay Kindinger (University College London)

Top 4 abstracts

Session 3: The controversies put in context

- Fetal growth restriction and spontaneous preterm labour
 Professor Gordon Smith (University of Cambridge)
- Progesterone to prevent preterm labour
 Professor Phil Bennett (Imperial College London)

Top 4 abstracts

Session 4: Pharmacotherapy and preterm delivery

- Using antenatal steroids
 Dr Sarah Stock (University of Edinburgh)
- Evidence for the value of tocolytic drugs
 Professor Jim Thornton (University of Leicester)
- Use and mechanisms of action of Magnesium Sulphate
 Professor Henrik Hagberg (University of Gothenburg)

Top 4 abstracts

Day 3: Fetal Medicine - Chaired by Professor Christoph Lees

Session 1: Fetal compromise

- Late fetal compromise & growth restriction: TRUFFLE 2
 Professor Christoph Lees (Imperial College London)
- Fetal hypoxia: defence mechanisms
 Professor Dino Giussani (University of Cambridge)

Round Table: Intergrowth, WHO and customization Professor Aris Papageorghiou (St George's London) Professor Kurt Hecher (UKE, Hamburg)

Session 2: Abnormally invasive placenta

- Imaging the placenta
 Professor Giuseppe Cali (Sicily)
- US, MRI, Fusion
 Dr Sally Collins (University of Oxford)

Top 4 abstracts

Session 3: Invasive and non-invasive therapy

- Non-invasive therapy: the potential of HIFU
 Dr Caroline Shaw (Imperial College London)
- Patient selection in fetal surgery: CDH and Spina Bifida
 Professor Jan Deprest (KU Leuven Belgium)

Top 4 abstracts

Session 4: Multiple pregnancy

- Higher order multiples: diagnosis and outcomes
 Professor Mark Kilby (University of Birmingham)
- Selective reduction: comparison of techniques
 Dr Amar Bhide (St George's London)

Round Table

Day 4: Fetal Medicine - Chaired by Professor Christoph Lees

Session 1: Facial Dysmorphology

- Imaging Cleft, craniosynostoses, and micrognathia
 Dr Andrea dall'Asta (University of Parma)
- Cleft surgery for fetal medicine specialists
 Mr Per Hall (Addenbrooke's Hospital, Cambridge)

Top 4 abstracts

Session 2: Cardiac conundra made simple

- Cardiac Arrhythmias explained
 Dr Victoria Jowett (Imperial College London)
- Outflow tracts & aortic arch variants
 Dr Julene Carvalho (Royal Brompton, London)

Top 4 abstracts