TWINS 2017
The Joint 4th World Congress on Twin Pregnancy and
16th Congress of the International Society of Twin Studies (ISTS)

Madrid, Spain
November 16th-18th, 2017
Melià Hotel Avenida de América

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PRELIMINARY PROGRAMME

THURSDAY, NOVEMBER 16th

09.00 - 11.30
PRECONGRESS COURSE 1: Fetal growth in twin pregnancy
Coordinator: TBA

How to assess fetal growth in multiple pregnancy?
Discordance in twins: Is it ominous sign?
Selective fetal growth restriction: Definition and outcome
Selective fetal growth restriction: management options
Selective fetal growth restriction: when and how to deliver

11.30 - 15.00
PRECONGRESS COURSE 2: Fetal therapy in multiple pregnancy
Coordinator: TBA

Radiofrequency ablation: indications and techniques
Intrafetal Laser: indications and techniques
Fetoscopic cord occlusion: indications and techniques
Fetoscopic Laser surgery in twin-twin transfusion syndrome: indications and techniques
Expectant management vs. laser therapy in selective intrauterine growth restriction.
Reduction in multiple pregnancy: Counselling and techniques.
Rethinking TAPS
9.00 -12.00
**PRECONGRESS COURSE 3: Advanced course on epigenetics and twin research**
Coordinator: TBA

13.30 – 16.00
**PRECONGRESS COURSE 4: Establishing a twin register: wonderful resources for phenotyping and genotyping**
Coordinator: D. Boomsma, The Netherlands

To represent a well-established twin register

The relatively recent southern EU experience

A new twin register with immediate GSA genotyping

Possibilities for biobanking in twin registers

*Interaction with participants*

G. Willemsen, The Netherlands

13.30 – 16.00
**PRECONGRESS COURSE 5: How to effectively manage a national multiple birth organisation (for ICOMBO members)**
Coordinator: M. Rankin, Australia

An opportunity for ICOMBO members to share and learn about how to effectively manage their organisations. Topics to be discussed include how to attract and retain members; how to generate funds for their organisation; and clever ways to share and store information in the 21st century.

16:15 -17.45
**ISTS BOARD MEETING**
Coordinators: G. Willemsen, The Netherlands; J. Harris, Norway
18.00 - 21.00
OPENING CEREMONY & WELCOME RECEPTION
Chairpersons: G. C. Di Renzo, Italy; R. Quintero, USA; T. Spector, UK; J. Harris, Norway; J. L. Bartha Rasero, Spain

OPENING LECTURES:
wins and telomeres: what is the new?
Genetic susceptibility and environment
“TWIN” welcome reception

FRIDAY, NOVEMBER 17th

8:30 – 9:30
PARALLEL SESSION 1A: Well-being
Coordinators: TBA

8:30 – 9:30
PARALLEL SESSION 1B: Perinatal mortality and morbidity in multiple pregnancy
Coordinators: TBA

Perinatal mortality in twins
How to avoid stillbirth in twins?
A. Khalil, UK

Single twin demise
M. Kilby, UK

9:30 – 10:00
KEYNOTE LECTURE
introduced by G. C. Di Renzo

Twin pregnancy and NCDs
10:00 - 10:30
COFFEE BREAK

10:30 – 12.30
PARALLEL SESSION 2A: Preconceptional aspects of multiple pregnancy
Coordinators: TBA

- Optimising ART to reduce multiple pregnancies
- Twins and multiples in ART, immigration and economical crisis
- Mono- or bi-chorionicity: which does really matter?
- Placental development and complications in twin pregnancy
  J.L. Bartha, Spain
- Role and limits of ultrasound

10:30 – 12.30
PARALLEL SESSION 2B: Twin-related complications
Coordinators: TBA

- Outcome of complicated twin pregnancy: How to counsel the parents?
  E. Lopriore, The Netherlands
- Neurodevelopmental morbidity in monochorionic twins
  K. Hecher, Germany
- The placenta in complicated twin pregnancy
- Timing of cord clamping
- Twins and neurodevelopmental outcomes: the effect of IVF, fetal growth restriction and preterm birth

12.30 – 13.30
LUNCH BREAK
13.30 – 15.30
PARALLEL SESSION 3A: Obstetrical issues in twin pregnancy: prenatal screening and diagnosis
Coordinators: K. Hecher, Germany, TBA

NIPT in twin pregnancy
Management of discordant anomaly in twin pregnancy
First trimester prediction in twin pregnancy
Functional and acquired cardiovascular anomalies in monochorionic twins
Prediction of major obstetrical syndromes in twin pregnancy in first trimester

Abstracts

13.30 – 15.30
PARALLEL SESSION 3B: Symposium in honor of Irv Gottesman
Coordinator: N. Segal, USA

16.30 – 18.30
PARALLEL SESSION 4A: Preterm birth and prematurity (a PREIS School Academy session)
Coordinators: TBA

Progesterone for the prevention of preterm birth in twins
Screening for preterm birth in twin pregnancy
Cerclage for the prevention of preterm birth in twins
Pessary in twin pregnancy

Abstracts

16:30 – 18:30
PARALLEL SESSION 4B: Epigenomics and twin studies
Coordinators: TBA
18:30-19:30
GENERAL ISTS MEETING

SATURDAY, NOVEMBER 18th

8.30 – 9.30
PARALLEL SESSION 5A: Monitoring in pregnancy and labour
Coordinators: TBA

Fetal growth restriction in twin pregnancy

Intrapartum monitoring in twins

Intrapartum care in twin pregnancy

Prevention and management of PPH in multiple pregnancy

Abstracts

8.30 – 9.30
PARALLEL SESSION 5B: Polygenic Risk Scores and twin studies
Coordinators: TBA

9.30 – 10.00
KEYNOTE LECTURE
introduced by J.Harris, Norway

TBA

10.00 -10.30
COFFEE BREAK
10:30 – 12:30
**PARALLEL SESSION 6A:** Special issues: TTTS, TAPS, MCMA
Coordinators: TBA

Management of MCMA twins

The management of TAPS

TTTS in triplets

Debate: Solomon vs traditional selective laser photocoagulation of communicating vessels (SLPCV) approach for managing TTTS

Brain abnormalities

Long term follow up of MC twins

Abstracts

10.30 – 12.30
**PARALLEL SESSION 6B:** Stakeholder Engagement-Building bridges between researchers and the twin community
Coordinators: J. Harris, Norway; M. Rankin, Australia; J. Craig, Australia

12.30 – 13.30
**LUNCH BREAK**

13.30 – 15.30
**PARALLEL SESSION 7A:** Delivery of twins: Cesarean delivery, PPH
Coordinators: TBA

When is the optimal timing to deliver uncomplicated twins?

Induction of labour in twins

Management of PPH

Debate: All monochorionic twins should be delivered by CS

Abstracts
13.30 – 15.30
PARALLEL SESSION 7B: Early Career Researchers Coordinators
Coordinators: TBA

16:30 – 18:30
PARALLEL SESSION 8A: Special issues: Infections, Maternal diseases
Coordinators: TBA

Hypertension and preeclampsia: an update  Bruno Reversade
Insulin resistance and metabolic abnormalities in birthweight discordant twins  TBA

Abstracts

16:30 – 18:30
PARALLEL SESSION 8B: Microbiome and twin studies
Coordinators: TBA

Closing Remarks