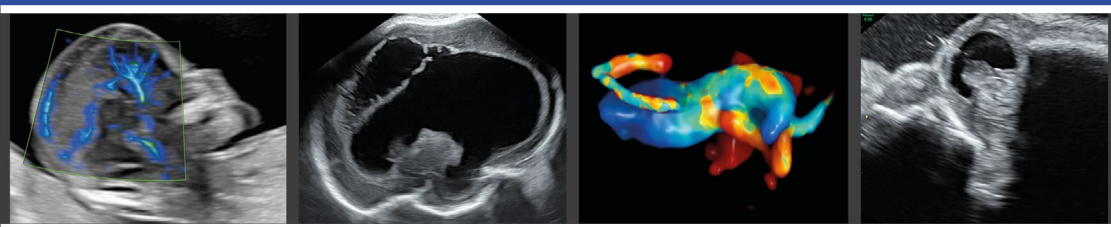




November 24-26 2022
Genova, Italy

An ISUOG Advanced Course



HOT TOPICS & CONTROVERSIES
IN FETO-MATERNAL MEDICINE **3rd**
edition

SCIENTIFIC PROGRAM

Magazzini del Cotone | **Genova, Italy**

Course Objective

The third edition of the course has three components.

The first part focuses on the **sonographic expert diagnosis of complex CNS and cardiac malformations**, concentrating especially on those anomalies or sonographic aspects that may be responsible for false positive and negative diagnoses.

The second part addresses the **modifications of current diagnostic ultrasound protocols** that should be implemented thanks to the new advancements in genetics and Artificial Intelligence.

The third part deals - as in the previous courses - with feto-maternal important conditions, which in the present edition is **maternal diabetes** and its effects on the pregnancy and the fetus. A final session is included focusing on the state of the art in the hormonal treatment of women's conditions.

SCIENTIFIC PROGRAM

Thursday, 24th November, 2022

13.00 Registration

14.00 Course Opening

SESSION I

CNS I. From screening standards to corpus callosum dysraphic states. Time for debate.

Chairs: **Roeë Birnbaum, Dario Paladini**

14.10 A creative approach to the CNS screening views: bullhorns and butterflies. **Guillermo Azumendi**

14.30 **LIVE DEMO 1.** The... bullhorns and butterflies... on the screen. **Rabih Chaoui**

14.50 Corpus callosum dysraphic states. Is there a terminology issue? **Laurent J. Salomon**

15.10 Corpus callosum agenesis.
From suspicion to diagnosis and associations. **Dario Paladini**

15.30 CSP agenesis. From suspicion to diagnosis and associations.
Paolo Volpe

15.50 Debate. Midsagittal view in screening / Short corpus callosum: is there such an entity? **Faculty**

16.00 Televoter 1 & discussion

16.10 *Coffee Break*

SESSION II

CNS II. Late onset anomalies

Chairs: **Roe Birnbaum, Paolo Volpe**

16.40 LIVE DEMO 2. The late neurosonography. **Paolo Volpe**

17.00 Intra-ventricular hemorrhage and stroke. **Dario Paladini**

17.20 Endocranial cysts. Classification, significance and prognosis. **Rabih Chaoui**

17.40 Pericallosal lipomas. Diagnosis and significance.
Roe Birnbaum

18.00 The role of prenatal MRI in acquired lesions.
Maria Savina Severino

18.20 Discussion

18.40 End of the day

HOT TOPICS & CONTROVERSIES

Friday 25th November 2022

SESSION III

Soft markers in the 2nd trimester: a legacy from the past... to get rid of in the era of cf-DNA and FTS?

Chairs: **Dario Paladini, Paolo Volpe**

08.30 Introduction to the topic. Rationale and endpoints.
Dario Paladini

08.45 Choroid plexus cysts. **Dario Paladini**

09.00 Absent nasal bone. **Marisa Borenstein**

09.15 ARSA. **Rabih Chaoui**

09.30 Cardiac hyperechogenic foci. **Roe Birnbaum**

09.45 Hyperechogenic bowel. **Laurent J. Salomon**

10.00 Single umbilical artery. **Paolo Volpe**

10.15 Televoter 2 & discussion

10.45 *Coffee Break*

SESSION IV

**Hot topics in feto-maternal medicine I.
Diabetes in pregnancy. Point of Care.**

Chairs: **Tiziana Frusca, Pasquale Martinelli**

11.15 National and international guidelines for screening and diagnosis. **Federico Mecacci**

11.35 The metabolic background and the role of metformin and inositol supplementation. **Irene Cetin**

11.55 Clinical and delivery challenges. **Tiziana Frusca**

12.15 LIVE DEMO 3. How to scan and what to check.
Fetal ultrasound surveillance. **Laurent J. Salomon**

12.40 Discussion

13.00 *Lunch*

Lunch Symposium GE (No ECM)

Ultra-resolution in fetal imaging: You Set The Limits

13.15 Ultra-resolution in the characterization of fetal anatomy
Dario Paladini

13.30 Benefits of new technologies in the 12-13 weeks anatomic assessment
Paolo Volpe

SESSION V

Ready player 1? Artificial intelligence in obstetric ultrasound: commercially available and investigational tools.

Chairs: **Dario Paladini, Federico Prefumo**

14.30 AI-aided anomaly scan. A step forward. **Hongning Xie**

14.50 New tools in AI-aided obstetric ultrasound. **Aris Papagheorghiou**

15.10 New tools in AI-aided obstetric ultrasound. **Christoph Lees**

15.30 New portable transducers **Federico Prefumo**

15.50 Discussion

16.10 *Coffee Break*

Symposium PerkinElmer (No ECM)

A new approach to NIPT screening

16.40 Introduction PE **Massimiliano Franchi**

16.50 Introduction NIPT Vanadis System **Riccardo Piona**

17.05 Evaluation of a simplified cfDNA screening method for common autosomal trisomies **Geralyn Lambert-Messerlian**

17.20 Discussion

SESSIONE VI

When experience is not enough. The malformation cases that remind us to be humble in making a diagnosis/prognosis...

Chairs: **Rabih Chaoui, Dario Paladini**

17.30 Shared Experiences **Rabih Chaoui**

17.45 Shared Experiences **Dario Paladini**

18.00 Shared Experiences **Paolo Volpe**

18.15 Discussion

18.30 End of the day

Saturday 26th November 2022

SESSION VII

Hot topics in feto-maternal medicine II.

Challenges in the management of the small fetus.

Chairs: **Tiziana Frusca, Dario Paladini**

- 08.30** What biometry charts should I use?
The PROs of the Intergrowth study. **Aris Papageorghiou**
- 08.50** What biometry charts should I use?
The CONs of the Intergrowth study. **Tamara Stampalija**
- 09.20** How to diagnose and manage growth-restriction.
Still a controversial issue. **Christoph Lees**
- 09.50** The neonatologist's point of view. **Luca Ramenghi**
- 10.10** Televoter 3 & discussion
- 10.30** *Coffee break*

SESSION VIII

Congenital heart disease. What do we miss and why...

A methodological analysis of FPs and FNs.

Chairs: **Maurizio Marasini, Fabrizio Taddei**

- 11.15 LIVE DEMO 4.** New technologies, FP and FN. **Dario Paladini**
- 11.35** Malalignment and VA connections. **Rabih Chaoui**
- 11.55** Cardiac septa. **Valentina De Robertis**
- 12.15** Ventricular disproportion. **Paolo Volpe**
- 12.35** Single ventricle anatomy. **Giulia Tuo**
- 12.55** Discussion
- 13.15** CME test and goodbye

Course Director

Dario **Paladini** (Genova)

Invited speakers

Guillermo **Azumendi** (Malaga, Spain)

Roea **Birnbaum** (Tel Aviv, Israel)

Marisa **Borenstein** (Malaga, Spain)

Irene **Cetin** (Milano)

Rabih **Chaoui** (Berlin, Germany)

Valentina **De Robertis** (Bari)

Tiziana **Frusca** (Brescia)

Christoph **Lees** (London, UK)

Maurizio **Marasini** (Genova)

Pasquale **Martinelli** (Napoli)

Federico **Mecacci** (Firenze)

Dario **Paladini** (Genova)

Aris **Papageorghiou** (Oxford, UK)

Federico **Prefumo** (Genova)

Luca **Ramenghi** (Genova)

Laurent J. **Salomon** (Paris, France)

Maria Savina **Severino** (Genova)

Tamara **Stampalija** (Trieste)

Fabrizio **Taddei** (Rovereto)

Giulia **Tuo** (Genova)

Paolo **Volpe** (Bari)

Hongning **Xie** (Guangzhou, China)

HOT TOPICS & CONTROVERSIES IN FETO-MATERNAL MEDICINE

3rd edition

Course Director

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Congress Venue

Magazzini del Cotone
Via Magazzini del Cotone, 19
16128 Genova, Italy

Official Language

English is the official language of the Congress. Simultaneous translation into Italian and English will be available.

Organizing Secretariat

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Updates, full information and registration:
www.symposiacongressi.com/isuog-genova-2022

Genova, Italy **November 24-26 2022**