



**22nd World Congress on Ultrasound  
in Obstetrics and Gynecology**

**9–12 September 2012  
Copenhagen, Denmark**

# **Final Program**

*22 European CME credits (ECMEC)*

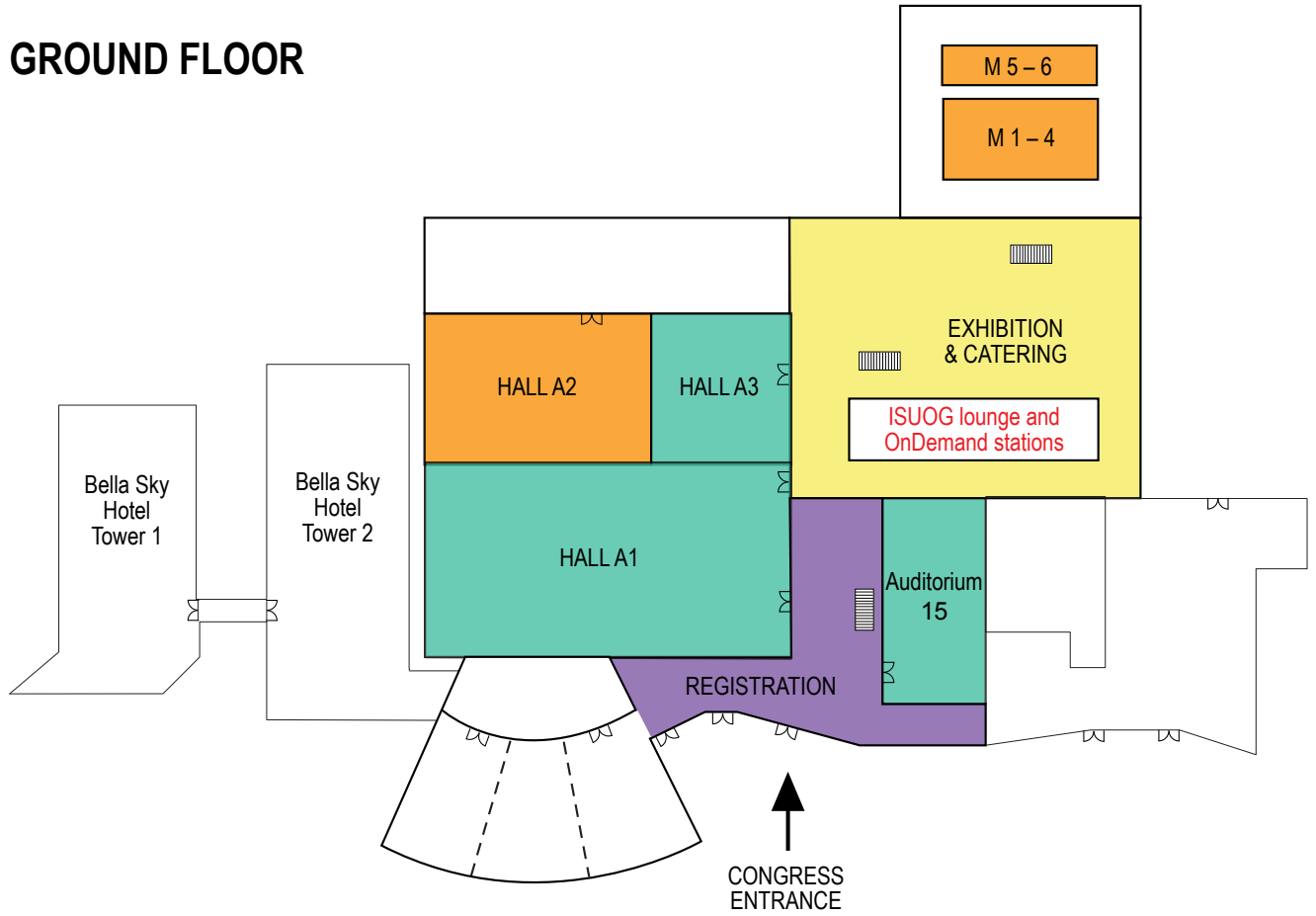


**Download ISUOG OnDemand**  
to view the Congress program, posters  
and lectures on your iPhone or iPad



# Venue floor plans

## GROUND FLOOR



## FIRST FLOOR



## Organising Committees

### ISUOG President and Congress Chair

- A. Tabor, *Denmark*

### Congress Co-Chair

- O.B. Petersen, *Denmark*

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- C. Ekelund
- A.C. Gjerris
- I. Kirkegaard
- D. Klee
- L. Nørgaard
- P. Sandager
- B. Staunstrup
- K. Wøjdemann

### Advisory Board, Scandinavia

- S. Eik-Nes
- F.S. Jørgensen
- T. Larsen
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- K. Sundberg
- P. Taipale
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### ISUOG Meeting Planning Committee

- A. Gagnon (Chair), *Canada*
- A. Abuhamad, *USA*
- P. Calda, *Czech Republic*
- E. Gratacós, *Spain*
- T.K. Lau, *China*
- K. Maršál, *Sweden*
- A. Ngu, *Australia*
- L. Platt, *USA*
- A. Tabor, *Denmark*
- G. Yeo, *Singapore*

### ISUOG Scientific Committee

- E. Gratacós (Chair), *Spain*
- A. Baschat, *USA*
- B. Benacerraf, *USA*
- C. Bilardo, *Netherlands*
- T. Bourne, *UK*
- D. Fischerová, *Czech Republic*
- K. Maršál, *Sweden*
- A. Papageorgiou, *UK*
- S. Yagel, *Israel*

### ISUOG Secretariat, UK

- S. Johnson, Executive Director
- A. Bezler, Events Coordinator

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## Welcome message

On behalf of the ISUOG and Congress committees, I am delighted to welcome you to Copenhagen for our 22nd World Congress on Ultrasound in Obstetrics and Gynecology.

Young Investigators and experienced researchers have submitted over 1000 abstracts providing an excellent scientific programme delivering up-to-date research. Participants will also enjoy a wide variety of meet the professor sessions and focussed workshops given by experts who will share their knowledge on specialist topics. A first for this year is a full day basic training program in obstetrical ultrasound for trainees new to the field.

All scientific sessions will be recorded. If you missed a session or want to hear a lecture once more, you can visit OnDemand on our new App, on the ISUOG website, or on our imac stations located in the exhibition hall (see page 10 for more information).

Denmark was a pioneer in developing wind power, and you will see windmills in the ocean when flying to Copenhagen and at the entrance to the Congress Center. Sustainable and renewable energy has been thought into our 2012 Congress, and our Congress party will be held at Toldboden, a climate-friendly restaurant striving to become the most sustainable restaurant in the Northern hemisphere.

Thank you to all of you who are participating and for your ongoing support of ISUOG. We hope you will remember the ISUOG World Congress in Copenhagen as a special event, from a scientific as well as from a social point of view.

Welcome to Copenhagen.



Ann Tabor  
Congress Chair

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## Critical dates and times

### Registration opening hours

|                        |             |
|------------------------|-------------|
| Saturday 8 September   | 07:00–17:00 |
| Sunday 9 September     | 07:00–20:00 |
| Monday 10 September    | 07:30–18:30 |
| Tuesday 11 September   | 07:30–18:00 |
| Wednesday 12 September | 07:30–18:30 |

The registration area is located in the Congress Foyer, on the ground floor of the Bella Center.

### Exhibition opening hours

|                        |             |
|------------------------|-------------|
| Sunday 9 September     | 10:00–20:00 |
| Monday 10 September    | 10:00–16:30 |
| Tuesday 11 September   | 10:00–16:30 |
| Wednesday 12 September | 10:00–16:30 |

The exhibition is located on the ground floor of the Bella Center, just past registration.

### Speakers' preparation room opening hours

|                        |             |
|------------------------|-------------|
| Saturday 8 September   | 07:30–17:00 |
| Sunday 9 September     | 07:30–17:30 |
| Monday 10 September    | 07:30–18:30 |
| Tuesday 11 September   | 07:30–17:30 |
| Wednesday 12 September | 07:30–17:30 |

The speaker preparation room is located in the Bella Vista room 1, located on the first floor of the Bella Center. The room can be accessed via the exhibition hall or the staircase next to Auditorium 15. Speakers MUST check in their presentation at the speakers' preparation room at least four hours prior to the commencement of the session in which they are due to present and preferably the day before their presentation. Please note there will be no laptop plug in facilities in the lecture halls. Please refer to page 9 for details.

### Scientific program hours

Please refer to the program for the exact location and timings of each session. Sessions will take place during the following times:

|                                  |             |
|----------------------------------|-------------|
| <b>Pre-congress courses only</b> |             |
| Saturday 8 September             | 09:00–17:00 |

|                                    |             |
|------------------------------------|-------------|
| <b>Basic training program only</b> |             |
| Sunday 9 September                 | 08:30–15:05 |

|  |             |
|--|-------------|
| <b>Main Congress</b>   |             |
| Sunday 9 September   | 08:30–17:45 |
| <i>(followed by the exclusive performance from contemporary composer and pianist Frederik Magle and welcome reception, 18:00 to 20:00)</i> |             |

|   |             |
|---|-------------|
| Monday 10 September   | 07:45–18:30 |
| Tuesday 11 September  | 07:45–17:30 |
| Wednesday 12 September  | 07:45–17:30 |
| <i>(followed by leaving drinks and welcome to Sydney 2013!)</i> |             |

All short oral presentations and electronic poster slides will be available for viewing at any time on our OnDemand stations located by the ISUOG lounge, in the exhibition area of the Bella Center.

All oral presentations will be recorded and made available OnDemand at the end of the day of presentation.

### ISUOG Annual General Meeting (AGM)

All fully paid delegates are ISUOG members for 2013 and should attend the AGM. Sunday 9 September 2012, 15:45, Hall A1, Bella Center. Please visit the ISUOG lounge anytime for more information about membership.

### ISUOG committee meetings

For details of scheduled ISUOG committee meetings, please refer to page 91 of this brochure.

## Social program

All tickets must be booked for any of the events below at the registration desk. Tickets are subject to availability and will be offered on a first-come, first-served basis.

### Opening session

#### Sunday 9 September, Bella Center

Complimentary to all registered delegates, accompanying persons and exhibitors, who are invited to attend the special program starting at 15:45 in Hall A1, followed by drinks and canapés in the exhibition area, on the ground floor of the Bella Center.

**Please note you will not be allowed entry without your Congress badge or ticket.**

|       |   |
|-------|---|
| 15:45 | *President's welcome and Annual General Meeting: ISUOG – where are we now? <i>A. Tabor (Denmark)</i>  |
| 16:15 | Stuart Campbell lecture: vaginal progesterone reduces the rate of preterm birth in women with a sonographic short cervix: a multicentre, randomised, double-blind, placebo-controlled trial, <i>S. Hassan (USA)</i> |
| 16:35 | Presentation of the Ian Donald Medal for Technical Development, <i>S. Eik-Nes (Norway)</i>  |
| 16:40 | Ian Donald Medal for Technical Development lecture: Ultrafast ultrasonic imaging to elasticity imaging, <i>M. Fink (France)</i>   |
| 16:55 | Presentation of the Ian Donald Gold Medal: Invasive procedures now and then, <i>S. Campbell (UK)</i>  |
| 17:05 | Ian Donald Gold Medal lecture, <i>J. Bang (Denmark)</i>   |
| 17:15 | The future of non-invasive prenatal diagnosis, <i>D. Bianchi (USA)</i>  |
| 17:45 | *Interval   |
| 17:50 | <b>An exclusive performance by contemporary composer and pianist Frederik Magle</b>   |

### City Hall reception

#### Monday 10 September, City Hall

Time: 18:45–20:00

**By invitation only (additional tickets on a first come, first served basis)**



### Closing & awards ceremony

Join us on **Wednesday 12 September** at 16:00 for the final plenary, awards and closing ceremony in Hall A1, followed by closing drinks and a welcome to Sydney in the Congress foyer.



### Welcome reception

Supported by:

|       |   |
|-------|---|
| 18:15 | Welcome reception in the exhibition hall (supported by Sidra Medical and Research Center) |
| 20:00 | Close   |



\*Accompanying persons and exhibitors can join the program at these natural break points.



# Social program

## Accompanying person's program

Cost per person: €200  
 The accompanying persons program includes:

- Admittance to the Congress opening ceremony and welcome drinks
- Admittance to the Congress exhibition area and catering breaks
- Congress party ticket
- Lonely Planet Copenhagen guide
- Copenhagen Card (72 hours)



When arriving in Copenhagen with a Copenhagen Card in hand, you are ready for exciting experiences without the hassle of booking and buying.

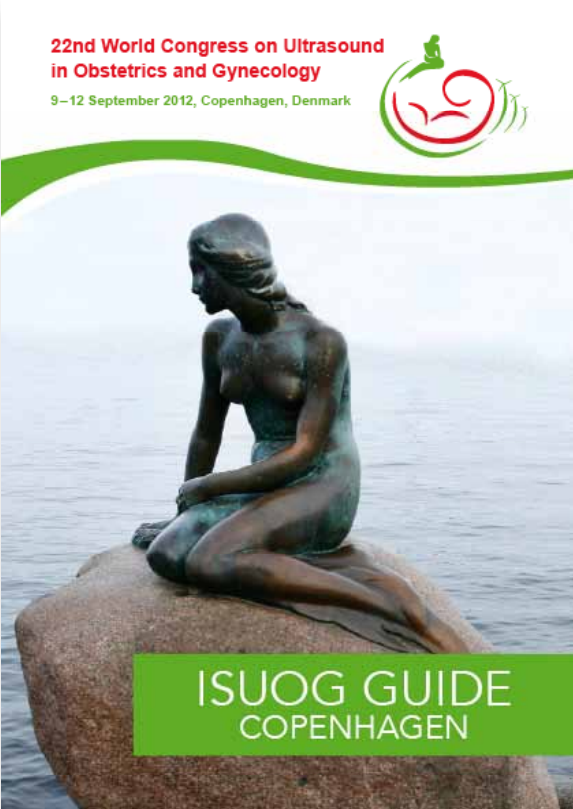
- With a Copenhagen Card you have:
- Free entry to about 70 museums and attractions
  - Free transport by train, bus and Metro in the entire Copenhagen Region – also from/to the airport
  - Discounts on restaurants, car hire, shops and sights

For further information, please visit:  
<http://www.visitcopenhagen.com/book-your-stay/copenhagen-card>

## ISUOG visitors guide to Copenhagen

Make sure you make the most of the ISUOG visitors guide (prepared by our Local Organising Committee) which can be found in your delegate bag.

The guide will give you a local view on where to go and what to see in your spare time and our Local Organising Committee's favourite restaurants, wine bars and pubs.



## FREE App: 'Visit Copenhagen'

### Visit Copenhagen

is the official city guide to everything you need to know before and during your visit to Copenhagen. The application contains a wealth of information on where to eat and drink, on what to see and experience and where to shop.



- Available for:
- iPhone – go to Appstore, search for **Visit Copenhagen**
  - Android-phones – go to Android Market, search for **Visit Copenhagen**
  - All other phones – go to **cphopen.com** or text "cphopen" to +45 22904000

Copenhagen Visitor Centre / Tourist Office  
 Vesterbrogade 4A. [www.visitcopenhagen.com](http://www.visitcopenhagen.com).

## ISUOG walking lunch tours

Log on to <http://iform.dk/ruteplanner> and select one of our three walking lunch-route tours by following the instructions below:

- Click on the button **'FIND RUTE'**
- Enter the post code **2300**
- Enter the chosen route:
  - **ISUOG 2012 lunchrute 1** (Fresh air nearby)
  - **ISUOG 2012 lunchrute 2** (Christiania tour)
  - **ISUOG 2012 lunchrute 3** (Botanic Garden – Rosenborg Castle) Depart from Nørreport Metro station – 11 minutes from Bella Metro Station.
- Click on **'FIND RUTE'**
- Click on the selected route and follow the map

For more information about the ISUOG walking lunch tours, please refer to the ISUOG visitors guide in your delegate bag.



# Congress Party

Tuesday 11 September

Time: 19:30 – Late  
 Venue: Toldboden, Nordre Toldbod 24, 1259 Copenhagen  
 Cost per person: €102 (including full buffet dinner, drinks and DJ)  
 Dress code: smart casual

Our venue for the 2012 Congress Party is Toldboden, an eco-friendly restaurant located by the waterfront and with a beautiful view of the Copenhagen harbourside. All delegates, accompanying persons and exhibitors with valid tickets are welcome to join us for a relaxing evening including buffet dinner and dancing.

Places are strictly limited and are offered on a first come, first served basis. Please note you will not be allowed entry without your party ticket; so do remember to bring it with you.

Supported by:



## SAMSUNG MEDISON



Located in Copenhagen's harbour, **Toldboden** is a pleasant 15 minute walk from the metro station **Kongens Nytorv**. A taxi from the **Bella Center** costs around DKK 160.

**ISUOG Congress party**

Supported by:

**SAMSUNG MEDISON**

PLEASE NOTE: this is NOT your ticket. Tickets are €102 and include seated buffet dinner, drinks and dancing! Pre-booked tickets should be collected on arrival at the Congress with delegate badges and all other registration materials.

## Orientation and presenter guidance

- Program at a glance
- Invited faculty list and speaker declarations
- Chairperson, speaker and poster presenter guidelines
- Program orientation, and ISUOG OnDemand
- Short oral presentations (OP) at a glance
- Electronic posters (P) at a glance
- 'Meet the professor' sessions at a glance

## FREE iPhone App

### Download the ISUOG 2012 Congress App for your iPhone or iPad!

- Browse and search the Copenhagen scientific program
- Create your personalised schedule
- View presentations OnDemand the day after they have been presented
- View the venue floor plans to locate session rooms and the exhibition
- Use the community feature to exchange thoughts and ideas in real time with other delegates



Search for 'ISUOG 2012' at the App store and download for FREE!

*If you have any questions about the Congress App please visit the ISUOG lounge in the exhibition or speaker preparation room (Bella Vista Room 1, first floor).*

## Accreditation and CME

### Up to 28 European CME credits (ECMEC)

ISUOG is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), [www.uems.net](http://www.uems.net).

The '22nd World Congress on Ultrasound in Obstetrics and Gynecology' is designated for a maximum of (or 'for up to') 28 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at [www.ama-assn.org/go/internationalcme](http://www.ama-assn.org/go/internationalcme).

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

**22 ECME credits are available for the Congress**  
**ECME credits are available for the Pre-congress courses**

# Program at a glance

## Saturday 8 September 2012 - Pre-congress courses

|             | Auditorium 15                             | Auditorium 12                             | Meeting Room 20               |             |
|-------------|---|---|-------------------------------|-------------|
| 07:00       | REGISTRATION OPENS                        |   |                               | 07:00       |
| 09:00-12:15 | Fetal malformations                       | The obstetric Doppler textbook in one day | Early pregnancy complications | 09:00-12:15 |
| 12:15-13:15 | LUNCH                                     |   |                               | 12:15-13:15 |
| 12:30-14:00 | LUNCH                                     |   |                               | 12:30-14:00 |
| 13:05-14:05 | The obstetric Doppler textbook in one day |   | LUNCH                         | 13:05-14:05 |
| 14:05-17:00 | Fetal malformations                       | The obstetric Doppler textbook in one day | Early pregnancy complications | 14:05-17:00 |

## Sunday 9 September 2012

|             | Hall A1   | Hall A3                              | Auditorium 15  | Auditorium 12  |             |
|-------------|---|--------------------------------------|--|--|-------------|
| 07:00       | REGISTRATION OPENS  |                                      |  |  | 07:00       |
| 09:00-10:30 | Workshop<br>Preterm labour  | Workshop<br>CNS: Borderline findings | Workshop<br>What to do with possible pathology found in asymptomatic women | ISUOG basic training: an introduction to ultrasound in pregnancy (08:30-10:25) | 09:00-10:30 |
| 10:30-11:00 | COFFEE & E-POSTER VIEWING   |                                      |  |  | 10:30-11:00 |
| 11:00-12:00 | Should all women have a third trimester scan?   |                                      | Just images: gynecology  | ISUOG basic training: an introduction to ultrasound in pregnancy (10:45-12:25) | 11:00-12:00 |
| 12:05-12:45 | OP01  | OP02                                 | OP03   | LUNCH (12:25-13:15)  | 12:05-12:45 |
| 12:45-14:15 | LUNCH & E-POSTER VIEWING (12:45-14:15)<br>& SAMSUNG MEDISON SATELLITE SYMPOSIUM (13:00-14:00) |                                      |  |  | 12:45-14:15 |
| 14:15-15:15 | OC01 - Top abstracts  |                                      |  | ISUOG basic training: an introduction to ultrasound in pregnancy (13:15-15:05) | 14:15-15:15 |
| 15:15-15:45 | COFFEE & E-POSTER VIEWING   |                                      |  |  | 15:15-15:45 |
| 15:45-17:50 | Awards, special lectures and opening ceremony   |                                      |  |  | 15:45-17:50 |
| 17:50-18:15 | Performance by contemporary composer Frederik Magle   |                                      |  |  | 17:50-18:15 |
| 18:15-20:00 | Welcome reception   |                                      |  |  | 18:15-20:00 |

## Monday 10 September 2012

|             | Hall A1   | Hall A3                      | Auditorium 15  | Meeting Room 18                               | Meeting Room 19                   | Auditorium 12                     |             |
|-------------|---|------------------------------|--|---|-----------------------------------|-----------------------------------|-------------|
| 07:45-08:25 | 'Meet the professor' sessions*  |                              |  |   |                                   |                                   | 07:45-08:25 |
| 08:30-09:50 | Live scan<br>OC02 - Fetal cardiac anomalies: diagnostic tools and interventions             | OC03 - Early pregnancy       | Live scan<br>OC04 - Fetal therapy: neural tube defects |   |                                   |                                   | 08:30-09:50 |
| 09:55-10:35 | OP04  | OP05                         | OP06   | OP07  | OP08                              | OP09                              | 09:55-10:35 |
| 10:30-11:00 | COFFEE & E-POSTER VIEWING   |                              |  |   |                                   |                                   | 10:30-11:00 |
| 11:00-12:00 | Live scan<br>OC05 - Aneuploidy and fetal anomalies: first trimester                         | OC06 - Reproductive medicine | OC07 - Outcomes of fetal cardiac evaluation            |   |                                   |                                   | 11:00-12:00 |
| 12:05-12:45 | OP10  | OP11                         | OP12   | OP13  | OP14                              | OP15                              | 12:05-12:45 |
| 12:45-14:15 | LUNCH & E-POSTER VIEWING (12:45-14:15)<br>& GE HEALTHCARE SATELLITE SYMPOSIUM (13:00-14:00) |                              |  |   |                                   |                                   | 12:45-14:15 |
| 14:15-15:30 | Live scan<br>OC08 - Cardiac and extra-cardiac functional assessment in fetal anomalies      | OC09 - Preterm labour        | Live scan<br>OC10 - Urogynecology                      |   |                                   |                                   | 14:15-15:30 |
| 15:30-16:00 | COFFEE & E-POSTER VIEWING   |                              |  |   |                                   |                                   | 15:30-16:00 |
| 16:00-17:30 | Live scan<br>Workshop<br>Borderline findings in fetal cardiovascular systems                | Workshop<br>Late onset IUGR  | Live scan<br>Workshop<br>Fertility                     | Workshop<br>Reducing risk in twin pregnancies | Workshop<br>Congenital infections | Live scan<br>Workshop<br>Outreach | 16:00-17:30 |
| 17:45-18:25 | 'Meet the professor' sessions*  |                              |  |   |                                   |                                   | 17:45-18:25 |

## Tuesday 11 September 2012

|             | Hall A1   | Hall A3   | Auditorium 15                                   | Meeting Room 18                     | Meeting Room 19 | Auditorium 12                   |             |
|-------------|---|---|---|-------------------------------------|-----------------|---------------------------------|-------------|
| 07:45-08:25 | 'Meet the professor' sessions*  |   |   |                                     |                 |                                 | 07:45-08:25 |
| 08:30-09:50 | Live scan<br>OC11 - Advanced CNS evaluation in normal and abnormal conditions         | OC12 - Cardiovascular effects of fetal growth restriction               | Live scan<br>OC13 - Pelvic pain                 |                                     |                 |                                 | 08:30-09:50 |
| 09:55-10:35 | OP16  | OP17  | OP18  | OP19                                | OP20            | OP21                            | 09:55-10:35 |
| 10:30-11:00 | COFFEE & E-POSTER VIEWING   |   |   |                                     |                 |                                 | 10:30-11:00 |
| 11:00-12:00 | OC14 - Ultrasound in late pregnancy and labour  | OC15 - First trimester screening for malformations                      | OC16 - Abnormal bleeding                        |                                     |                 |                                 | 11:00-12:00 |
| 12:05-12:45 | OP22  | OP23  | OP24  | OP25                                | OP26            | OP27                            | 12:05-12:45 |
| 12:45-14:15 | LUNCH & E-POSTER VIEWING (12:45-14:15)<br>& TOSHIBA SATELLITE SYMPOSIUM (13:00-14:00) |   |   |                                     |                 |                                 | 12:45-14:15 |
| 14:15-15:30 | Live scan<br>OC17 - Neurological consequences of fetal growth restriction             | OC18 - Novel quantitative imaging technologies in fetal medicine        | OC19 - Menopause and screening                  |                                     |                 |                                 | 14:15-15:30 |
| 15:30-16:00 | COFFEE & E-POSTER VIEWING   |   |   |                                     |                 |                                 | 15:30-16:00 |
| 16:00-17:30 | Live scan<br>Workshop<br>Cardiac function   | Workshop<br>Screening for chromosomal abnormalities and fetal anomalies | Live scan<br>Workshop<br>Gynecological oncology | Workshop<br>Update in fetal therapy |                 | Live scan<br>Workshop<br>Safety | 16:00-17:30 |
| 19:30-late  | CONGRESS PARTY  |   |   |                                     |                 |                                 | 19:30-late  |



# Program at a glance

## Wednesday 12 September 2012

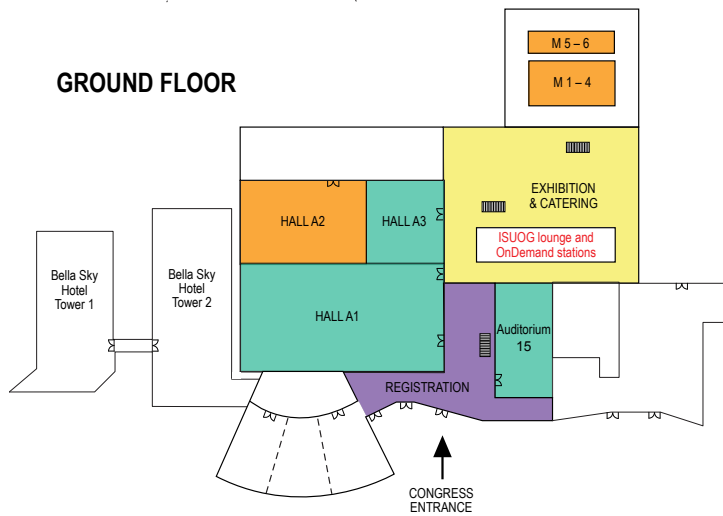
|             | Hall A1  | Hall A3   | Auditorium 15                    | Meeting Room 19 | Auditorium 12                       |             |
|-------------|--|---|----------------------------------|-----------------|-------------------------------------|-------------|
| 07:45-08:25 | "Meet the professor" sessions*   |   |                                  |                 |                                     | 07:45-08:25 |
| 08:30-09:50 | Live scan<br>OC20 - Aneuploidies and fetal anomalies: second trimester   | OC21 - Ovarian masses                                 | OC22 - Multiple pregnancy        |                 |                                     | 08:30-09:50 |
| 09:55-10:35 | OP28   | OP29  | OP30                             | OP31            | OP32                                | 09:55-10:35 |
| 10:30-11:00 | C O F F E E & E - P O S T E R V I E W I N G  |   |                                  |                 |                                     | 10:30-11:00 |
| 11:00-12:00 | Live scan<br>OC23 - Predicting fetal growth restriction and pre-eclampsia  | OC24 - Oncology                                       | OC25 - Fetal interventions       |                 |                                     | 11:00-12:00 |
| 12:05-12:45 | OP33   | OP34  | OP35                             | OP36            | OP37                                | 12:05-12:45 |
| 12:45-14:15 | L U N C H & E - P O S T E R V I E W I N G (12:45-14:15)<br>& P H I L I P S S A T E L L I T E S Y M P O S I U M (13:00-14:00) |   |                                  |                 |                                     | 12:45-14:15 |
| 14:15-15:30 | Workshop<br>Prediction of pregnancy complications  | Workshop<br>Intrapartum ultrasound: why, when and how | Workshop<br>Emergency gynecology |                 | Workshop<br>Quantitative ultrasound | 14:15-15:30 |
| 15:30-16:00 | C O F F E E & E - P O S T E R V I E W I N G  |   |                                  |                 |                                     | 15:30-16:00 |
| 16:00-17:00 | The future of first trimester risk assessment  |   |                                  |                 |                                     | 16:00-17:00 |
| 17:00-17:30 | Awards and closing session   |   |                                  |                 |                                     | 17:00-17:30 |
| 17:30-18:30 | C O N G R E S S L E A V I N G D R I N K S  |   |                                  |                 |                                     | 17:30-18:30 |

\* Meet the professor sessions must be pre-booked in advanced and cost €25 per session. Please check the rooms and sessions in the program on page 13.

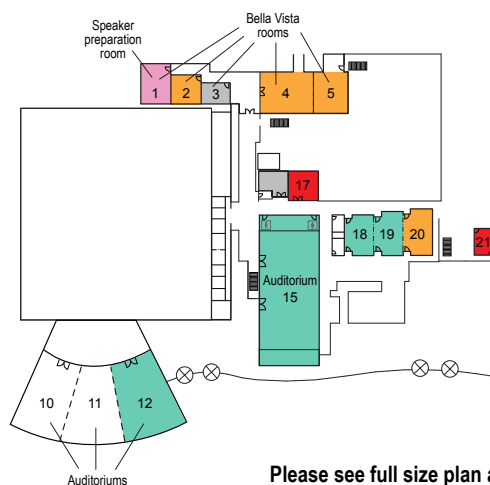
### Program key:

|                                 |                              |
|---------------------------------|------------------------------|
| Obstetrics oral session         | Pre-congress course          |
| Gynecology oral session         | ISUOG Basic Training         |
| Short oral presentation session | "Meet the professor" session |
| Plenary session                 | Sponsor session              |
| Electronic poster viewing       | Social                       |

### Floorplans:



**FIRST FLOOR**



Please see full size plan and key inside front cover.

## List of invited faculty

|                                |                                |                             |                            |
|--------------------------------|--------------------------------|-----------------------------|----------------------------|
| Y. Abdallah (UK)               | E. Epstein (Sweden)            | T. Larsen (Denmark)         | P. Sandager (Denmark)      |
| A. Abuhamad (USA)              | J. Espinoza (USA)              | T.K. Lau (Hong Kong)        | M. Sanz-Cortes (Spain)     |
| Z. Alfirevic (UK)              | C. Exacoustos (Italy)          | W. Lee (USA)                | L. Savelli (Italy)         |
| J. Bang (Denmark)              | H. Feltovich (USA)             | C. Lees (UK)                | A. Sayasneh (UK)           |
| A. Baschat (USA)               | F. Figueras (Spain)            | O. Lidegaard (Denmark)      | W. Sepulveda (Chile)       |
| M. Bebbington (USA)            | M. Fink (France)               | G. Lingman (Sweden)         | L. Skibsted (Denmark)      |
| B. Benacerraf (USA)            | D. Fischerova (Czech Republic) | S. Lipitz (Israel)          | G. Smith (UK)              |
| C. Benson (USA)                | A. Gagnon (Canada)             | E. Lopriore (Netherlands)   | L. Sperling (Denmark)      |
| C. Berg (Germany)              | H. Gardiner (UK)               | G. Malinger (Israel)        | K. Sundberg (Denmark)      |
| A. Bhide (UK)                  | T. Ghi (Italy)                 | K. Maršál (Sweden)          | A. Tabor (Denmark)         |
| D. Bianchi (USA)               | S. Goldstein (USA)             | K. Melchiorre (UK)          | E. Tegnander (Norway)      |
| C. Bilardo (Netherlands)       | M. Goya (Spain)                | E. Merz (Germany)           | G. Ter Haar (UK)           |
| H.G. Blaas (Norway)            | E. Gratacós (Spain)            | L. Mouritsen (Denmark)      | A.C. Testa (Italy)         |
| K. Boden (Sweden)              | S. Gudmundsson (Sweden)        | A. Ngu (Australia)          | B. Thilaganathan (UK)      |
| C. Bohn Christiansen (Denmark) | B. Hamilton (Ghana)            | K. Nicolaidis (UK)          | D. Timmerman (Belgium)     |
| C. Bottomley (UK)              | L. Hanson (USA)                | A. Nyboe Andersen (Denmark) | I. Timor-Tritsch (USA)     |
| T. Boume (UK)                  | D. Hartwell (Denmark)          | A. Odibo (USA)              | A. Toi (Canada)            |
| C. Brezinka (Austria)          | S. Hassan (USA)                | E. Pajkrt (Netherlands)     | B. Tutschek (Switzerland)  |
| S. Campbell (UK)               | K. Hecher (Germany)            | D. Paladini (Italy)         | N. Ulbjerg (Denmark)       |
| J. Carvalho (UK)               | C. Henriques (Denmark)         | A. Papageorghiou (UK)       | L. Valentin (Sweden)       |
| R. Chaoui (Germany)            | E. Hernandez-Andrade (USA)     | M. Parra-Cordero (Chile)    | D. Valsky (Israel)         |
| G. Condous (Australia)         | J. Hyett (Australia)           | O.B. Petersen (Denmark)     | B. Van Calster (Belgium)   |
| P. Conner (Sweden)             | E. Jaeggi (Canada)             | G. Pilu (Italy)             | T. Van den Bosch (Belgium) |
| J. Copel (USA)                 | A. Johnson (USA)               | L. Platt (USA)              | C. Van Holsbeke (Belgium)  |
| F. Crispi (Spain)              | L. Jokubkiene (Sweden)         | F. Prefumo (Italy)          | Y. Ville (France)          |
| J. Deprest (Belgium)           | C. Jørgensen (Denmark)         | D. Pugash (Canada)          | G. Visser (Netherlands)    |
| H.P. Dietz (Australia)         | F. Jørgensen (Denmark)         | N. Raine-Fenning (UK)       | M. Westgren (Sweden)       |
| P. Doubilet (USA)              | K. Kagan (Germany)             | S. Reid (Australia)         | J. Wladimiroff (UK)        |
| E. Dreisler (Denmark)          | K. Kalache (Germany)           | L. Rode (Denmark)           | K. Wøjdemann (Denmark)     |
| M. Dueholm (Denmark)           | A. Khurana (India)             | R. Romero (USA)             | S. Yagel (Israel)          |
| T. Eggebø (Norway)             | M. Kilby (UK)                  | L. Salomon (France)         | G. Yeo (Singapore)         |
| S. Eik-Nes (Norway)            | E. Kirk (UK)                   | K. Salvesen (Norway)        | H. Zingenberg (Denmark)    |
| E. Eixarch (Spain)             | T. Kiserud (Norway)            |                             |                            |

## Speaker declarations

The following declarations of interest have been received:

|                  |   |
|------------------|---|
| B. Benacerraf    | Presentations may include discussions of commercial products or services where relevant   |
| J. Carvalho      | Use of the manufacturer's product name e.g. e-flow for Hitachi-ALOKA equipment  |
| F. Crispi        | Softwares for tissue Doppler analysis include Siemens Healthcare and GE   |
| H.P. Dietz       | Use of 4D capable ultrasound systems: GE, Philips, Siemens, Toshiba etc; received past equipment loans and one unrestricted educational grant   |
| M. Donnelly      | Voluson E8 Expert ultrasound machine on loan from GE to evaluate the use of transvaginal ultrasound elastography in the prediction of preterm birth. This study was investigator initiated and there is no financial compensation from GE to complete this study (P32.04; P32.07) |
| H. Feltovich     | The workshop lecture 'Cervical evaluation with qualitative ultrasound' includes a discussion of an off-label use of a Siemens ultrasound transducer. In receipt of technical support only from Siemens Ultrasound USA (OC09.01; OP08.01)  |
| J. Ficquet       | A Medaphor ScanTrainer on loan was used to enable the research for this study (OP36.06)   |
| T.K. Hanses      | Employee of PerkinElmer (P04.01)  |
| S. Hassan        | Vaginal progesterone gel will be mentioned in relevant talks  |
| W. Hofmann       | The presenter is CSO of LifeCodexx. LifeCodexx will launch a PreanaTest for noninvasive diagnosis of aneuploidies using next-generation sequencing. Validation of this test is based on data of the clinical study which will be presented at the world congress (OP02.10)        |
| C. Ioannou       | Philips Healthcare provided the HD9 ultrasound machine and technical assistance (P29.13)  |
| K. Kagan         | Free beta-hCG, PAPP-A and PIGF are commercially available (OP23.03)   |
| A. Khurana       | Consultant with GE Healthcare (OP14.04)   |
| T.K. Lau         | In collaboration with BGI-Shenzhen and using a commercially available product, the NIFTY test from BGI-Shenzhen, China (OP02.09)  |
| W. Lee           | Will describe 3D/4D technology on the IU-22 ultrasound system (Philips). In receipt of limited research support from Philips Medical  |
| D. Paladini      | Using a GE E8 machine which is on loan for scientific studies (OC08.01)   |
| G. Pilu          | Non-paid consultant for GE Healthcare   |
| D. Pugash        | Live scan demonstration will feature a specific manufacturer (e.g. Philips)   |
| N. Raine-Fenning | May refer to the use of VOCAL and sonoAVC (GE Healthcare)   |
| T. Scholbach     | Developed the PixelFlux-technique and Pixel-Flux software. A relative distributes the software via the company Chameleon-Software (OP21.07; P01.04)   |
| W. Sepulveda     | An ultrasound machine will be provided by Samsung Medison   |
| N. Shinozuka     | Research cooperation with Samsung Medison (P27.08) and Toitsu Co. (P27.11)  |
| G. Smith         | GE donated two ultrasound systems for a research project using routine third trimester ultrasound   |

# Chairperson, speaker and presenter guidelines

## Essential information

If you are chairing, speaking in a session, presenting a short oral presentation (OP), or have an electronic poster (P), you will need to refer to the guidelines below. Please note that there may be several sections which are relevant to your activities. If you have any questions, please address them to the staff in the speakers' preparation room (Bella Vista room 1, first floor).

Our presentation system is networked to all session halls and all talks must be uploaded in advance. OC, OP and P presentations should have been uploaded online prior to the Congress. All other presentations must be uploaded in the speakers' preparation room. Mac users and those with complex video can be accommodated. All session halls are equipped with the necessary technical requirements and back-up systems. Please note that personal laptops may not be used in the session halls. Any speaker is welcome to preview his or her talk on the system before their session.

All oral sessions will be recorded by ISUOG and made available for viewing (but not download) to delegates and ISUOG members on **OnDemand**, the Congress web portal. All accepted abstract authors have been asked in advance to give their consent to the recording of their presentations. Only authors who have not completed this section will be asked to complete a release form for this onsite, and we thank you for supporting this service to our members. Please note that publication embargoes can be applied if necessary. The portal will be available opposite the ISUOG lounge in the exhibition hall on the OnDemand stations. Please address any queries to the technical staff in the speakers' preparation room.

## General notes for all presenters (OC and OP)

Please meet at the front of the session hall 15 minutes before the start of the session to introduce yourselves, and allow the chairperson to confirm the format for the session. Please note some OP sessions will only be able to meet 5 minutes before hand as the room will be in use, so please check the daily program to see if this affects you. Please remember the following:

- All presentations must be in English. Please ensure that you speak slowly and clearly throughout. This will assist audience members who do not have English as their first language.
- Discussion time has been allocated to each session so please look at the program closely for details.
- The program schedule is extremely tight, so all speakers must adhere to the time allocated to them. Should a speaker overrun, chairpersons are instructed to interrupt and request that the speaker stop. Please be considerate of other speakers if you are asked to conclude your talk and please do so promptly.
- It is increasingly difficult to prevent individuals from recording sessions. All delegates have been requested not to do this, but ISUOG can take no responsibility for third party recordings. We request that speakers who specifically object to audio/video recording of their presentations state this before their lecture.
- At the closing ceremony the scientific committee will announce the best presentations within subject categories and the Young Investigator prize winner. Chairpersons are asked to assist in the selection process by scoring presentations.

## Chairpersons

There will be a chairpersons' briefing on Sunday 9 September at 12:50 in Hall A3 (ground floor) to confirm session formats and demonstrate the presentation management tool. The briefing will last no longer than 30 minutes and lunch will be served. Your role is crucial to our Congress success and we are grateful for your support in following the guidance below:

- It is your responsibility to ensure strict adherence to presentation times as listed in the program and to direct and moderate discussion. There will be a countdown system in place in the main session halls to assist you with this.
- Should a speaker not arrive for his/her presentation, please fill in the additional time with discussion or, if all other speakers are present, please move forward with the program. Please try not to deviate dramatically from the advertised program as delegates rely on timing as they move across sessions.
- At the start of the session, please ask the audience to silence all mobile devices. Please remind the audience that the recording of sessions is not permitted and to refrain from any flash photography. ISUOG will record all lectures and make them available online on OnDemand.
- At the closing ceremony the scientific committee will announce the best presentations within subject categories and the Young Investigator prize winner. Chairpersons are asked to assist in the selection process by scoring presentations.
- There will be a host/hostess assigned to the session hall who will assist with any requirements you may have for the running of the session. A technician from the audio-visual team will also be available.
- There will be microphones within each hall for discussions. In most halls delegates will need to wait behind the microphones to ask their questions. Please direct the audience at the start of the session as to how questions will be managed to ensure the best use of time.

## Invited and OC presentations

All speakers must report to the speakers' preparation room (Bella Vista room 1, first floor) at least four (4) hours prior to the session in which they are due to present or preferably the day before to check their presentation with the audio-visual staff prior to it being sent to the lecture hall. Please remember:

- Presentations from personal laptops are not permitted in the session halls or breakout sessions; all presentations must be checked in at the speaker preparation room.
- If you are presenting an oral communication (OC) you should not present the background to your particular study or data set. This can be repetitive if several related studies are to be presented, and will be covered separately within the session if considered necessary. Time is short, so please keep your talk concise and focus only on your new data.

## Posters – Short oral presentations (OP) and electronic posters (P)

Authors should have emailed their single PowerPoint poster slides in advance of the Congress. The Organisers cannot guarantee that presentations can be included if they have not been received in advance.

OP and P slides will be available for viewing as posters from Sunday 9 to Wednesday 12 September on the OnDemand stations opposite the ISUOG lounge in the exhibition hall. Authors can be contacted through this system, so please try and check your emails regularly in case you have been contacted by a participant who has questions.

**OP authors also present their work orally in short oral presentation (OP) sessions:**

- Presenters may report to the speaker preparation room the day before their presentation to check their presentation or can check directly on the OnDemand stations opposite the ISUOG lounge in the exhibition hall.
- Presenters should arrive at the relevant session hall at least 15 minutes prior to the listed time.

# Program orientation

The **program at a glance** gives you an outline to each day's events including session titles, times and refreshment breaks. The **full program** pages give you the detailed chronological listing of all events. Please note that most sessions run in parallel so you will need to read through sessions taking place at the same time, to decide which best suits your needs.

The full program is available on our itinerary planner found online at <http://www.isuog.org/WorldCongress2012/> or alternatively on the ISUOG2012 app for iPhone's and iPad's, where you can build your own program for the event.

## Session types explained...

### Plenary sessions

Plenary sessions include invited talks and special lectures on Sunday 9 September and a debate on the future of first trimester risk assessment on Wednesday 12 September.

### Scientific sessions

Scientific sessions run in parallel rooms from Sunday to Wednesday. These sessions include invited talks, OC presentations and OP presentations. Electronic poster (P) presentations make up part of the scientific program, but are not presented orally within sessions.

#### Invited talks

ISUOG faculty members have been invited to present the state of the art on topics in some sessions, or in more detail within workshops.

#### OC (oral communication)

Presented within 3 main parallel sessions, OC abstract authors are allocated 5 minutes for their presentation, plus 3 minutes for discussion.

#### OP (short oral presentation)

OPs are poster submissions considered suitable for short oral presentation within between 3 to 6 parallel sessions depending on the congress day. OP abstract authors are allocated 2 minutes to summarise their poster, followed by 2 minutes for discussion.

#### P (electronic poster)

Abstracts accepted as view only posters are available for viewing throughout the congress on the OnDemand stations located opposite the ISUOG lounge in the exhibition hall as single PowerPoint slides. Authors may be contacted for discussion through the integrated email facility.

*All OC & OP presentations will be judged within their subject categories by the session chairpersons and the ISUOG Scientific Committee.*

*All OC, OP & P presentations are supported by printed abstracts, which are listed by number and can be located in the abstract book.*

### Workshops

Educational workshops take place each day and run in parallel on Sunday 9 September from 09:00–10:30, on Monday 10 September and Tuesday 11 September from 16:00–17:30 and on Wednesday 12 September from 14:15–15:30. They consist of between 3 and 5 didactic lectures on key special interest areas and in some cases live scan demonstrations where appropriate. Anyone can attend these popular sessions, but on a first come, first served basis.

### Live scan

Some scientific and workshop sessions include live scan demonstrations. Some are quite general and the aim is to give background to the session. In others, faculty will have been asked to demonstrate a particular new technique or technology. ISUOG has determined the content for these sessions, while our sponsors kindly support by providing the technical equipment.

### 'Meet the professor' sessions

These are educational lectures from leading experts in the field and are not part of the main delegate program. The aim is to provide state of the art updates in particular chosen subjects to a smaller audience in an informal session. An entry ticket is required which can be purchased at the registration desk (**€25 per session**). This covers continental breakfast or drinks and snacks. Spaces are strictly limited and first come, first served.

### Awards

The **Young Investigator prize** and awards for the best presentations in each topic area will be announced at the closing session on Wednesday 12 September and formally acknowledged in our journal, *Ultrasound in Obstetrics & Gynecology*.

### Basic training program

ISUOG's first **basic training course** will be held on Sunday 9 September from 08:30–15:05 in parallel with the congress program. This is aimed at entry level trainees beginning their career in obstetrics and gynecology providing a first introduction to the basic principles of obstetric ultrasound. An entry ticket is required and can be purchased at the registration desk (**€25 for the session**).



## ISUOG OnDemand

*View any presentation online any time!*

# PHILIPS

This is available at the Congress with thanks to an unrestricted educational grant from Philips.

*more information on p.64*

- This online multimedia platform allows members to watch presentations recorded at the World Congress in Copenhagen.
- **All presentations (OC, OP, P, invited talks and workshops)** will be recorded and made available OnDemand at the end of the day on which they are presented.
- Access to this resource is free to all delegates during the Congress, on the **OnDemand stations** located opposite the ISUOG lounge in the exhibition hall and to ISUOG members for the following year.
- Revisit your favourite lectures or view missed sessions at your leisure.



# Short oral presentations at a glance

| Day                                 | Poster session  | Room            |
|-------------------------------------|---|-----------------|
| <b>Sunday</b><br>(12:05 - 12:45)    | OP01 Fetal growth restriction: outcomes, associations and abnormalities | Hall A1         |
|                                     | OP02 First trimester aneuploidies and fetal anomalies                   | Hall A3         |
|                                     | OP03 New technology in gynecological investigation                      | Auditorium 15   |
| <b>Monday</b><br>(09:55 - 10:35)    | OP04 Outcomes of fetal cardiac evaluation                               | Hall A1         |
|                                     | OP05 Early pregnancy complications                                      | Hall A3         |
|                                     | OP06 Fetal interventions  | Auditorium 15   |
|                                     | OP07 Quality assessment of the first trimester scan                     | Meeting room 18 |
|                                     | OP08 Prediction and prevention of preterm delivery                      | Meeting room 19 |
|                                     | OP09 Doppler in placental insufficiency                                 | Auditorium 12   |
| <b>Monday</b><br>(12:05 - 12:45)    | OP10 Studying maternal and fetal physiology using Doppler               | Hall A1         |
|                                     | OP11 Reproductive medicine  | Hall A3         |
|                                     | OP12 First trimester cardiac evaluation                                 | Auditorium 15   |
|                                     | OP13 Urogynecology and pelvic floor                                     | Meeting room 18 |
|                                     | OP14 Posterior fossa and neural tube defects                            | Meeting room 19 |
|                                     | OP15 Monochorionic twins  | Auditorium 12   |
| <b>Tuesday</b><br>(09:55 - 10:35)   | OP16 CNS defects and injury   | Hall A1         |
|                                     | OP17 Techniques to characterise fetal growth restriction                | Hall A3         |
|                                     | OP18 Ultrasound in labour   | Auditorium 15   |
|                                     | OP19 Pelvic pain and endometriosis                                      | Meeting room 18 |
|                                     | OP20 Abnormal uterine bleeding  | Meeting room 19 |
|                                     | OP21 Doppler techniques and placental findings                          | Auditorium 12   |
| <b>Tuesday</b><br>(12:05 - 12:45)   | OP22 Doppler in fetal growth restriction                                | Hall A1         |
|                                     | OP23 Optimising first trimester risk assessment                         | Hall A3         |
|                                     | OP24 Menopause and screening  | Auditorium 15   |
|                                     | OP25 Cesarean section scars and other safety issues                     | Meeting room 18 |
|                                     | OP26 Novel imaging modalities of fetal anatomy                          | Meeting room 19 |
|                                     | OP27 Circulatory dynamics in cardiovascular pathologies                 | Auditorium 12   |
| <b>Wednesday</b><br>(09:55 - 10:35) | OP28 Detection of malformations at the second trimester scan            | Hall A1         |
|                                     | OP29 Managing ovarian masses  | Hall A3         |
|                                     | OP30 Multiple pregnancy   | Auditorium 15   |
|                                     | OP31 Insights into placental function using molecular biology           | Meeting room 19 |
|                                     | OP32 Fetal growth assessment  | Auditorium 12   |
| <b>Wednesday</b><br>(12:05 - 12:45) | OP33 Ultrasound in the third trimester and fetal surveillance           | Hall A1         |
|                                     | OP34 Screening for aneuploidy and consulting in the second trimester    | Hall A3         |
|                                     | OP35 Fetal cardiac anomalies: diagnostic tools                          | Auditorium 15   |
|                                     | OP36 New developments in education and imaging                          | Meeting room 19 |
|                                     | OP37 Quantitative imaging for functional fetal and placental assessment | Auditorium 12   |

## Electronic posters at a glance

Electronic posters (P) are available for viewing throughout the Congress on the OnDemand stations located opposite the ISUOG lounge in the exhibition hall. You can also send questions or comments to authors using our integrated e-mail facility. Electronic posters are subject categorised on pages 65–78.

| Poster session |  |
|----------------|--|
| P01            | Growth and maternal fetal Doppler  |
| P02            | Imaging diagnosis to therapy   |
| P03            | Malformations and chromosome abnormalities diagnosed at first trimester scan   |
| P04            | Early pregnancy complications I  |
| P05            | Early pregnancy complications II   |
| P06            | First trimester risk assessment and follow-up                                  |
| P07            | Screening for chromosome abnormality at first trimester scan                   |
| P08            | Doppler in uteroplacental insufficiency  |
| P09            | Fetal interventions  |
| P10            | Outcome of fetal heart pathologies   |
| P11            | Reproductive medicine  |
| P12            | Urogynecology and pelvic floor   |
| P13            | Fetal neurosonography and CNS anomalies  |
| P14            | Multiple pregnancy   |
| P15            | Abnormal uterine bleeding  |
| P16            | Predicting outcome in fetal growth   |
| P17            | Fetal neurosonography and CNS anomalies case reports                           |
| P18            | Ultrasound in labour   |
| P19            | Detection of malformations at the second trimester scan                        |
| P20            | Patient safety   |
| P21            | Circulatory dynamics and function in prenatal diagnosis of cardiac pathologies |
| P22            | Ovarian masses   |
| P23            | Monochorionic multiples  |
| P24            | Ultrasound in the third trimester and fetal surveillance case reports          |
| P25            | Malformations and chromosome abnormalities in the second trimester             |
| P26            | Diagnosis methods for fetal heart anomalies                                    |
| P27            | Imaging technology including MRI I   |
| P28            | Imaging technology including MRI II  |
| P29            | Ultrasound in the third trimester and fetal surveillance I                     |
| P30            | Ultrasound in the third trimester and fetal surveillance II                    |
| P31            | Skeletal and placental abnormalities   |
| P32            | The cervix in pregnancy and at term  |
| P33            | Imaging technology including MRI case reports                                  |

## ‘Meet the professor’ sessions at a glance

Entry to these sessions is **NOT** included in the Congress registration fee.

**Tickets cost €25** and include catering (continental breakfast or drinks and snacks). These can be booked at the registration desk if places are available. You will receive a ticket as proof your registration, which you will need for entry to the session.

| Day & time                          | Session   | Professor                        | Room                   |
|-------------------------------------|---|----------------------------------|------------------------|
| <b>Monday</b><br>(07:45 - 08:25)    | Everything you always wanted to know about fetal arrhythmias                              | <i>J. Copel (USA)</i>            | <i>Hall A3</i>         |
|                                     | Early fetal echocardiography  | <i>J. Carvalho (UK)</i>          | <i>Bella Vista 5</i>   |
|                                     | Getting the most out of 3D volumes  | <i>L. Platt (USA)</i>            | <i>Meeting room 18</i> |
|                                     | Levator trauma  | <i>H.P. Dietz (Australia)</i>    | <i>Meeting room 19</i> |
|                                     | 2nd trimester anomaly scan: what you can see & what you must see                          | <i>D. Paladini (Italy)</i>       | <i>Auditorium 12</i>   |
| <b>Monday</b><br>(17:45 - 18:25)    | Fetal echocardiography: 45 minutes of tips and pearls in normal and abnormal hearts       | <i>A. Abuhamad (USA)</i>         | <i>Hall A3</i>         |
|                                     | Ultrasound in reproductive medicine: how to assess the infertile patient with one scan    | <i>N. Raine-Fenning (UK)</i>     | <i>Auditorium 15</i>   |
|                                     | First trimester screening   | <i>C. Bilardo (Netherlands)</i>  | <i>Meeting room 18</i> |
|                                     | Preterm birth: managing risk in singletons and multiples                                  | <i>Y. Ville (France)</i>         | <i>Meeting room 19</i> |
|                                     | 3D ultrasound approach to CNS evaluation  | <i>B. Tutschek (Switzerland)</i> | <i>Auditorium 12</i>   |
| <b>Tuesday</b><br>(07:45 - 08:25)   | First trimester brain and intracranial translucency: an update                            | <i>R. Chaoui (Germany)</i>       | <i>Hall A3</i>         |
|                                     | Ovarian pathology   | <i>T. Bourne (UK)</i>            | <i>Bella Vista 5</i>   |
|                                     | Intrapartum sonography  | <i>G. Pilu (Italy)</i>           | <i>Meeting room 18</i> |
|                                     | 3D in gynecology  | <i>B. Benacerraf (USA)</i>       | <i>Meeting room 19</i> |
|                                     | Current issues in IUGR management   | <i>A. Baschat (USA)</i>          | <i>Auditorium 12</i>   |
| <b>Wednesday</b><br>(07:45 - 08:25) | How to make the best of Doppler examinations in pregnancy (or tips and tricks in Doppler) | <i>C. Brezinka (Austria)</i>     | <i>Hall A3</i>         |
|                                     | Monochorionic twin complications  | <i>E. Gratacós (Spain)</i>       | <i>Bella Vista 5</i>   |
|                                     | Practical issues for the assessment of oncology patients                                  | <i>A. Testa (Italy)</i>          | <i>Meeting room 19</i> |
|                                     | The STIC model for training in fetal echocardiography                                     | <i>S. Yagel (Israel)</i>         | <i>Auditorium 12</i>   |

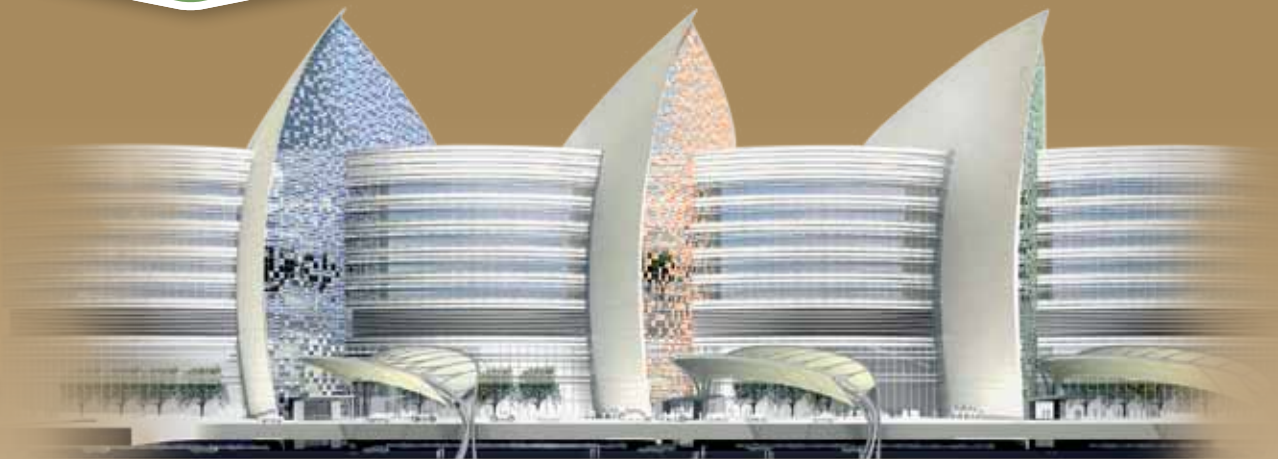
‘Meet the professor’ sessions are supported by an unrestricted educational grant from Toshiba Medical Systems. Educational content is defined by the speaker. Technical support is provided by our sponsors as needed.

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## Join Sidra Medical and Research Center

Sidra Medical and Research Center is a groundbreaking hospital, research and education institution based in Doha, Qatar, that will focus on the health of women and children regionally and globally.

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- End-to-end digital information systems will lead to improved clinical outcomes.

### Working Environment

- Physicians will work within high-caliber interprofessional teams and as part of a network of world-leading partners, including Weill Cornell Medical College in Qatar and Qatar Science and Technology Park.
- Opportunities for research participation will abound for physicians, with 2.8% of Qatar's annual GDP allocated for funding and promoting research and development.
- Sidra intends to offer physicians with faculty appointments protected time for faculty work.
- Design and staffing structure, including a high clinical staff-to-patient ratio, will ensure that physicians have everything they need to deliver patient-focused, transformative care.

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[www.sidra.org](http://www.sidra.org)



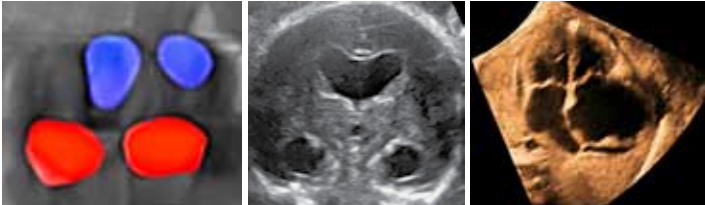


# Saturday 8 September – Pre-congress courses

Course

09:00 – 17:00

**Fetal malformations** *Auditorium 15*



Supported by an unrestricted educational grant from:

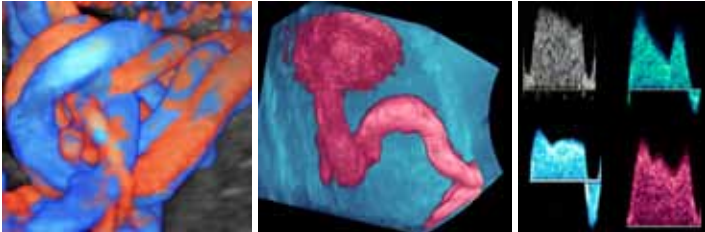


GE imagination at work

Course

09:00 – 17:00

**The obstetric Doppler textbook in one day** *Auditorium 12*



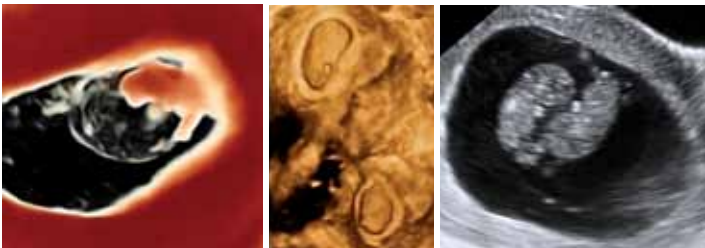
Supported by an unrestricted educational grant from:

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Course

09:00 – 17:00

**Early pregnancy complications** *Meeting room 20*



Supported by an unrestricted educational grant from:

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# ULTRASOUND

in Obstetrics & Gynecology



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# Program – Saturday 8 September 2012

## 09:00 – 17:00 Pre-congress course: Fetal malformations

Auditorium 15

- 09:00 Chairs: *D. Paladini (Italy); E. Tegnander (Norway)*  
Introduction  
*D. Paladini (Italy)*
- 09:10 Screening ultrasound examinations of the fetal brain: ISUOG guidelines and practical issues  
*H. Blaas (Norway)*
- 09:30 Diagnostic ultrasound examinations of the fetal brain: ISUOG guidelines and practical issues  
*I. Timor-Tritsch (United States)*
- 09:50 Live scan: Neurosonology examination [supported by: GE Healthcare\*]  
*D. Paladini (Italy); Discussant I. Timor-Tritsch (United States)*
- 10:15 Discussion & coffee
- 10:45 Borderline ventriculomegaly  
*H. Blaas (Norway)*
- 11:10 Posterior fossa abnormalities  
*D. Paladini (Italy)*
- 11:40 Abnormalities of the corpus callosum and of the cavum septi pellucidi  
*I. Timor-Tritsch (United States)*
- 12:10 Discussion

Supported by: GE Healthcare\*



GE imagination at work

## 12:30 – 14:00 Lunch

- 14:00 Colour Doppler: how to best use it?  
*D. Paladini (Italy)*
- 14:20 Cardiac screening: normal and abnormal aspect of the 4-chamber view  
*E. Tegnander (Norway)*
- 14:50 Cardiac screening: normal and abnormal aspect of the outflow tracts  
*D. Paladini (Italy)*
- 15:20 Discussion & coffee
- 15:50 Live scan: Cardiac screening according to ISUOG guidelines [supported by: GE Healthcare\*]  
*E. Tegnander (Norway)*
- 16:10 Early examination of the fetal heart: indications and limitations  
*J. Hyett (Australia)*
- 16:30 The three-vessels and trachea view: does it help?  
*E. Tegnander (Norway)*



\* This course is supported by an unrestricted educational grant from GE Healthcare. Educational content of sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors where needed.

# Program – Saturday 8 September 2012

**09:00 – 17:00 Pre-congress course: The obstetric Doppler textbook in one day**

**Auditorium 12**

- 09:00 Chairs: *C. Lees (United Kingdom); K. Maršál (Sweden)*  
Doppler insonation: how to get optimum Doppler signals: colour Doppler  
*C. Lees (United Kingdom)*
- 09:30 Doppler insonation: how to get optimum Doppler signals: pulsed wave Doppler  
*T. Kiserud (Norway)*
- 10:00 Errors and pitfalls  
*K. Maršál (Sweden)*
- 10:30 Coffee break
- 10:45 Doppler: potential bioeffects  
*G. Ter Haar (United Kingdom)*
- 11:15 The Doppler phantom: modeling the heating effect  
*G. Ter Haar (United Kingdom); C. Lees (United Kingdom)*
- 11:35 Live scan: How to perform the Doppler examination and keep it safe  
*K. Maršál (Sweden); C. Lees (United Kingdom) [supported by: Siemens AG Healthcare Sector\*]*

Supported by: Siemens AG Healthcare Sector\*

**SIEMENS**

**12:15 – 13:15 Lunch**

- 13:15 Uterine artery Doppler and why it doesn't just reflect the spiral artery  
*C. Lees (United Kingdom)*
- 13:45 Should umbilical artery Doppler be for screening or management?  
*K. Maršál (Sweden)*
- 14:15 Blood flow classes and outcomes: relevant for clinical practice?  
*S. Gudmundsson (Sweden)*
- 14:45 MCA Doppler: revisiting brainsparing  
*E. Hernandez-Andrade (United States)*
- 15:15 Coffee break
- 15:30 Fractional moving blood volume: clinical technique or curiosity?  
*E. Hernandez-Andrade (United States)*
- 15:50 Hepatic veins and ductus venosus: facts and myths  
*T. Kiserud (Norway)*
- 16:10 Pulsations in the umbilical vein  
*S. Gudmundsson (Sweden)*
- 16:30 Speakers Corner



\* This course is supported by an unrestricted educational grant from Siemens AG Healthcare Sector. Educational content of sessions is defined by ISUOG. Ultrasound systems and technical support where needed are provided by sponsors.



# Program – Saturday 8 September 2012

## 09:00 – 17:00 Pre-congress course: Early pregnancy complications

Meeting room 20

|       |   |   |
|-------|---|---|
| 09:00 | Chairs: <i>G. Condous (Australia)</i> ; <i>S. Goldstein (United States)</i><br>Welcome<br><i>G. Condous (Australia)</i>   | Supported by: Philips*<br> |
| 09:05 | Defining safe criteria to diagnose a miscarriage: the UK experience<br><i>Y. Abdallah (United Kingdom)</i>  |   |
| 09:35 | Was the UK response appropriate?<br><i>S. Goldstein (United States)</i> ; <i>C. Bottomley (United Kingdom)</i> ; <i>O. Lidegaard (Denmark)</i> ; <i>P. Dubilet (United States)</i>  |   |
| 09:50 | Expectant management of miscarriage, identifying retained products and selecting women for surgery in women who have miscarried<br><i>G. Condous (Australia)</i>  |   |
| 10:20 | Is bleeding in the first trimester associated with complications later in pregnancy?<br><i>O. Lidegaard (Denmark)</i>   |   |
| 10:50 | Coffee break  |   |
| 11:20 | Alternative ultrasound markers in PUL: does 3D play a role?<br><i>S. Reid (Australia)</i>   |   |
| 11:35 | Rationalising the management of PUL: identifying the low and high risk groups<br><i>G. Condous (Australia)</i> ; <i>E. Kirk (United Kingdom)</i> ; <i>S. Goldstein (United States)</i> ; <i>Y. Abdallah (United Kingdom)</i> ; <i>C. Benson (United States)</i> |   |
| 12:05 | Introducing concepts relating to early pregnancy growth<br><i>C. Bottomley (United Kingdom)</i>   |   |
| 12:35 | Factors influencing early pregnancy growth and size<br><i>G. Condous (Australia)</i> ; <i>C. Bottomley (United Kingdom)</i> ; <i>Y. Abdallah (United Kingdom)</i>   |   |
| 12:50 | Just images quiz<br><i>S. Goldstein (United States)</i> ; <i>G. Condous (Australia)</i>   |   |

## 13:05 – 14:05 Lunch

|       |  |
|-------|--|
| 14:05 | Using ultrasound to diagnose tubal and non-tubal ectopic pregnancy<br><i>E. Kirk (United Kingdom)</i>  |
| 14:35 | When do you have to intervene with ectopic pregnancy: can you safely assess bleeding in the pelvis and abdomen and when to intervene<br><i>G. Condous (Australia)</i>  |
| 15:05 | Danger of methotrexate treatment and excluding viable pregnancy: the US experience<br><i>P. Dubilet (United States)</i>  |
| 15:35 | Coffee break   |
| 16:05 | A review of the current evidence on the diagnosis and management of Cesarean scar pregnancy<br><i>I. Timor-Tritsch (United States)</i>   |
| 16:35 | Early pregnancy just images quiz<br><i>S. Goldstein (United States)</i> ; <i>G. Condous (Australia)</i> ; <i>E. Kirk (United Kingdom)</i> ; <i>O. Lidegaard (Denmark)</i> ; <i>Y. Abdallah (United Kingdom)</i> ; <i>C. Bottomley (United Kingdom)</i> |



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The International Society of Ultrasound in Obstetrics and Gynecology invites you to attend the Annual General Meeting (AGM)

**Sunday 9 September 2012, 15:45 - Hall A1, Bella Center**

All fully paid delegates at ISUOG's 22nd World Congress in Copenhagen will have their membership renewed or become new online members for 2013. All members are invited to attend the AGM for an update on ISUOG activities and to vote on ISUOG business. Agenda and accompanying documents are available at [www.isuog.org/membership/AGM](http://www.isuog.org/membership/AGM).



## Come and meet the team!

Visit the ISUOG Lounge in the exhibition hall during the World Congress to find out more about the Society and its activities:

- ISUOG membership, online resources, courses and events
- Submitting and publishing in *Ultrasound in Obstetrics & Gynecology* (UOG)
- Accessing UOG online
- Accessing **ISUOG OnDemand** and **E-posters**

## Stand activities:

**Monday to Wednesday, 10:00 – 16:30 (all day)**

- **Membership clinic:** A member of the team will be available to demonstrate ISUOG's online resources and answer your membership queries.
- **Meet an editor:** UOG's Managing Editor, Sarah Hatcher, and/or UOG's Editors will be available to answer author queries.
- **Meet the publisher:** representatives from the publisher Wiley-Blackwell will be on the ISUOG stand at all times.

# Sunday 9 September – Program

Trainee  
Course

08:30 – 15:05

**ISUOG basic training: an introduction to ultrasound in pregnancy** *Auditorium 12*  
(this course is aimed at entry level trainees and must be booked - ticket required for entry)

Workshops

09:00 – 10:30

**Preterm labour** *Hall A1*

**CNS: Borderline Finding** *Hall A3*

**What to do with possible pathology found in asymptomatic women** *Auditorium 15*

Plenary

11:00 – 12:00

**Should all women have a third trimester scan?** *Hall A1*

**Just images: gynecology** *Auditorium 15*

OP

12:05 – 12:45

**Fetal growth restriction: outcomes, associations and abnormalities** *Hall A1*

**First trimester aneuploidies and fetal anomalies** *Hall A3*

**New technology in gynecological investigation** *Auditorium 15*

Sponsor

13:00 – 14:00

**Samsung Medison satellite symposium** *Hall A1*

Plenary

14:15 – 15:15

**Top abstracts** *Hall A1*

Break

15:15 – 15:45

**Coffee break** *Exhibition hall*

Plenary

15:45 – 17:50

**AGM, Awards, special lectures and opening ceremony** *Hall A1*

Social

17:50 – 18:15

**Performance from contemporary composer Frederik Magle** *Hall A1*

18:15 – 20:00

**Welcome reception** *Exhibition Hall*

# Trainees

## ISUOG Trainee Membership Program

ISUOG is pleased to offer free online membership for two years to trainees with an interest in ultrasound in obstetrics and gynecology who are registered with a participating organisation.



### Membership includes:

- Annual online subscription to UOG
- Member only access to the Society's official website
- Web lectures & webcasts from ISUOG congress, courses and other events
- Access to ISUOG OnDemand, the Congress web portal (view congress sessions online after the event)
- Regular e-newsletters
- ISUOG support of teaching programs
- ISUOG Book Club: 20% discount on Wiley-Blackwell books
- Reduced fees to ISUOG educational courses, ISUOG Symposium and the annual World Congress



### Lectures from: ISUOG Basic training I available OnDemand



A list of organisations we are currently offering trainee membership to can be found on our website:

[www.isuog.org/membership/trainees](http://www.isuog.org/membership/trainees)

If you are a trainee of one of these societies, and were not aware of this offer, please contact them directly. If your organisation is not listed, please get in touch and we can look at extending the scheme to your region.



# Program – Sunday 9 September 2012

**08:30 – 15:05 ISUOG basic training: an introduction to ultrasound in pregnancy Auditorium 12**

Entry to this course is NOT included in the Congress registration fee.

Tickets cost €25 to include lunch and refreshments and can be booked at the registration desk if places are available.

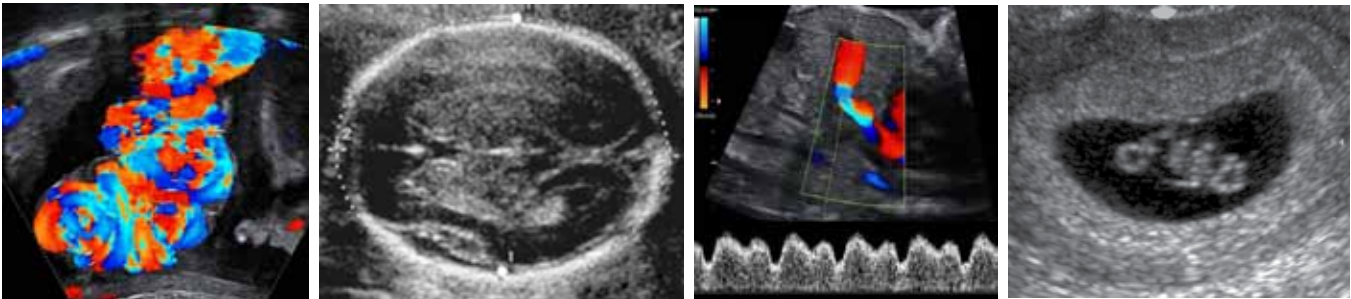
This program is aimed at entry level trainees beginning their career in obstetrics and gynecology and provides a first introduction to the basic principles of obstetric ultrasound.

Chairs: *R. Chaoui (Germany); J. Wladimiroff (United Kingdom)*

- 08:30 ISUOG education and goals  
*R. Chaoui (Germany)*
- 08:35 The value of ultrasound in obstetric care  
*J. Wladimiroff (United Kingdom)*
- 08:50 Getting started: how does it work and is it safe?  
*K. Salvesen (Norway)*
- 09:10 Assessing early pregnancy  
*C. Brezinka (Austria)*
- 09:35 Discussion
- 09:40 Systematic approach to second trimester assessment  
*D. Paladini (Italy)*
- 10:20 Discussion
- 10:25 Coffee break
- 10:45 Obtaining fetal biometry  
*L. Salomon (France)*
- 11:05 Discussion
- 11:10 Monitoring fetal growth  
*A. Baschat (United States)*
- 11:30 Discussion
- 11:35 Amniotic fluid, placenta and cord  
*J. Wladimiroff (United Kingdom)*
- 12:00 Discussion
- 12:05 The cervix  
*K. Salvesen (Norway)*
- 12:20 Discussion

**12:25 – 13:15 Lunch**

- 13:15 What is Doppler and how do we use it?  
*C. Lees (United Kingdom)*
- 13:35 Making the most of ultrasound: 2D image optimisation, documentation, reporting  
*R. Chaoui (Germany)*
- 13:55 Typical anomalies on second trimester scan  
*S. Eik-Nes (Norway)*
- 14:20 Discussion
- 14:25 Examining twins: first, second and third trimester  
*K. Hecher (Germany)*
- 14:50 Discussion
- 14:55 Closing





# Program – Sunday 9 September 2012

## 09:00 – 10:30 Workshop: Preterm labour Hall A1

- Chair: *R. Romero (United States)*  
 Cervical length for the prediction of preterm birth: standardization of the technique and pitfalls  
*S. Hassan (United States)*  
 09:20 Cervical cerclage for the prevention of preterm birth  
*R. Romero (United States)*  
 09:40 Pessary for the prevention of preterm birth  
*M. Goya (Spain)*  
 10:00 Case presentations

## 09:00 – 10:30 Workshop: CNS: Borderline Findings Hall A3

- Chairs: *G. Malinge (Israel); A. Khurana (India)*  
 09:00 The small fetal head  
*G. Malinge (Israel)*  
 09:20 Enlarged and asymmetric ventricles  
*B. Tutschek (Switzerland)*  
 09:30 Supratentorial cysts and cyst-like findings  
*A. Toi (Canada)*  
 10:00 Infratentorial cyst and cyst-like findings  
*G. Pilu (Italy)*

## 09:00 – 10:30 Workshop: What to do with possible pathology found in asymptomatic women Auditorium 15

- Chairs: *E. Epstein (Sweden); D. Timmerman (Belgium)*  
 09:00 The 37 year old who asks for a scan to check there are no problems if she tries to conceive: is there anything useful we can tell her?  
*N. Raine-Fenning (United Kingdom)*  
 09:15 The unexpected ovarian cyst: ignore it or follow it up?  
*L. Valentin (Sweden)*  
 09:30 Do asymptomatic polyps matter?  
*E. Dreisler (Denmark)*  
 09:45 Irrespective of age or hormones, should any endometrial thickness measurement be a concern in asymptomatic women?  
*T. Van den Bosch (Belgium)*  
 10:00 Simple rules and description to characterise ovarian masses  
*L. Valentin (Sweden)*

## 10:30 – 11:00 Coffee and e-poster viewing Exhibition Hall

## 11:00 – 12:00 Should all women have a third trimester scan? Hall A1

- Chair: *Z. Alfirevic (United Kingdom)*  
 11:00 What is the physiological basis?  
*G. Visser (Netherlands)*  
 11:20 Fetal programming  
*E. Gratacós (Spain)*  
 11:40 What is the evidence basis?  
*G. Smith (United Kingdom)*

## 11:00 – 12:00 Just images: gynecology Auditorium 15

- Chairs: *T. Bourne (United Kingdom); S. Goldstein (United States)*  
 11:00 Just images  
*G. Condous (Australia)*  
 11:15 Just images  
*I. Timor-Tritsch (United States)*  
 11:30 Just images  
*A. Testa (Italy)*  
 11:45 Just images  
*B. Benacerraf (United States)*

## 12:05 – 12:45 Short oral presentation (OP) sessions

- OP01: Fetal growth restriction: outcomes, associations and abnormalities** Hall A1  
 Chairs: *C. Bilardo (Netherlands); T. Kiserud (Norway)*
- OP02: First trimester aneuploidies and fetal anomalies** Hall A3  
 Chairs: *A. Abuhamad (United States); K. Wøjdemann (Denmark)*
- OP03: New technology in gynecological investigation** Auditorium 15  
 Chairs: *E. Epstein (Sweden); B. Benacerraf (United States)*



## Special lecture biographies



### Sonia Hassan

Sonia S. Hassan, MD is the Associate Dean for Maternal, Perinatal and Child Health at Wayne State University (WSU) School of Medicine and the Director of the Center for Advanced Obstetrical Care and Research in the Perinatology Research Branch of the Eunice Kennedy Shriver NICHD/NIH/DHHS. Dr. Hassan obtained her medical degree from WSU and completed a residency in ObGyn and a fellowship in MFM at Hutzel Women's Hospital/WSU. After the completion of her fellowship, Dr. Hassan was a scholar in the Women's Reproductive Health Research (WRHR) Career Development Program of NICHD in which she studied the biochemistry of the cervix. Dr. Hassan has been involved in over 10 research clinical trials over the past 9 years; 6 being multicenter trials that include sites in the United States and abroad. Dr. Hassan has served as the lead investigator of a multi-center, international, randomized controlled trial of vaginal progesterone for the prevention of preterm birth. Dr. Hassan has served as the lead investigator of a multi-center, international, randomized controlled trial of vaginal progesterone for the prevention of preterm birth, which she presents in our Stuart Campbell lecture for the highest cited paper in UOG over the preceding year. She has also published the first genome-wide evaluation of the uterine cervix after term labour and has described the transcriptome of the ripe uterine cervix.



### Mathias Fink

Mathias Fink is a professor of physics at the Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris (ESPCI ParisTech), Paris, France. In 1990 he founded the Laboratory Ondes et Acoustique at ESPCI that in 2009 became the Langevin Institute. In 2002, he was elected to the French Academy of Engineering, in 2003 to the French Academy of Science and in 2008 to the Collège de France as the Chair of Technological Innovation. Mathias Fink's area of research is concerned with medical ultrasonic imaging, ultrasonic therapy, multiwave imaging, time-reversal in physics, super-resolution, acoustic smart objects, underwater acoustics, geophysics and telecommunications. He has developed different techniques in medical imaging (ultrafast ultrasonic imaging, transient elastography, supersonic shear imaging), and wave control with a focus on complex media with time-reversal mirrors. He holds more than 55 patents, and he has published more than 350 peer reviewed papers and book chapters. Four start-up companies have been created from his research (Echosens, Sensitive Object, Supersonic Imagine and Time Reversal Communications). Mathias Fink is awarded ISUOG's prestigious Ian Donald Medal for Technical Development and presents some of his latest work.



### Jens Bang

Jens Bang was born in Copenhagen, Denmark in 1936. He graduated in 1962 from the University of Copenhagen and obtained specialist status of OB/GYN in 1974. Since 1964 he has been working with diagnostic ultrasound, specifically with regards to its use in obstetrics and gynecology. In the beginning, his focus was on the safety of diagnostic ultrasound and in 1969 – 1970 he worked at the Genetic Institute at University of Copenhagen examining the reaction of a high dose of continuous and pulsed ultrasound in pregnant mice. In 1976 he was adviser to the WHO on the subject and in 1978 he co-founded EFSUMB's Bioeffect Committee, which he chaired until 1990. From 1979 to 2003 he was head of the department for Diagnostic Ultrasound in Obstetrics and Gynecology and became associate professor in 1985. His clinical work concentrates mainly on interventional ultrasound in obstetrics. He is an honorary member of The Danish Society of Diagnostic Ultrasound, EFSUMB and of AIUM. Jens Bang is awarded ISUOG's highest accolade, the Ian Donald Gold Medal, for his outstanding contribution to ultrasound in obstetrics and gynecology. Prof. Stuart Campbell presents his award and reflects on his work in 'invasive procedures'.



### Diana Bianchi

Diana W. Bianchi is Executive Director of the Mother Infant Research Institute at Tufts Medical Center and the Natalie V. Zucker Professor of Pediatrics, Obstetrics and Gynecology at Tufts University School of Medicine, Boston, USA. Professor Bianchi's clinical expertise is in reproductive genetics, fetal medicine, and neonatology. Her translational research focuses on noninvasive prenatal testing using cell-free nucleic acids and the use of the fetal transcriptome to develop novel antenatal therapies. She has published over 230 peer-reviewed articles, and is one of 4 authors of the book 'Fetology: Diagnosis and Management of the Fetal Patient', which won the Association of American Publishers award for best textbook in clinical medicine in 2000. Dr. Bianchi is Editor-in-Chief of the international journal Prenatal Diagnosis. She is currently Past President of the International Society for Prenatal Diagnosis and a member of the Advisory Council for the National Institute of Child Health and Human Development. Diana Bianchi presents her perspectives and predictions on the future of non invasive prenatal diagnosis in ISUOG's special invited state of the art lecture to open our 22nd World Congress.

# Program – Sunday 9 September 2012

|               |   |                 |
|---------------|---|-----------------|
| 12:45 – 14:15 | Lunch and e-poster viewing  | Exhibition hall |
| 13:00 – 14:00 | Samsung Medison satellite symposium**   | Hall A1         |
| 14:15 – 15:15 | Top abstracts   | Hall A1         |
| 14:15         | Chairs: <i>E. Gratacós (Spain); A. Gagnon (Canada)</i><br>BOLD MRI: changes in human placental oxygenation during maternal hyperoxia<br><i>A. Sørensen<sup>1</sup>; D. Peters<sup>1</sup>; E. Fründ<sup>1</sup>; G. Lingman<sup>2</sup>; O. Christiansen<sup>1</sup>; N. Ulbjerg<sup>1</sup>. <sup>1</sup>(Denmark); <sup>2</sup>(Sweden)</i>   | OC01.01         |
| 14:23         | Discussion  |                 |
| 14:25         | Cerebrovascular impedance in the fetus with transposition of the great arteries: variability based on atrial septal restriction<br><i>J. Rychik; H. Su; A. Szwasz; Z. Tian (United States)</i>  | OC01.02         |
| 14:33         | Discussion  |                 |
| 14:35         | Different pathways of neuronal and cognitive development in children born after late onset growth restriction or late prematurity<br><i>D. Oros; V. Pueyo; I. Altemir; E. Noemi; H. Tuquet; F. Ernesto (Spain)</i>  | OC01.03         |
| 14:43         | Discussion  |                 |
| 14:45         | Perinatal outcome after first trimester risk assessment in monochorionic and dichorionic twin pregnancies: a Danish national database study<br><i>M. Kristiansen; B. Christensen; H. Jensen; E. Hoeseth; R. Farlie; I. Stornes; S. Sommer; S. Juul; H. Poulsen; H. Mohapeloa; L. Sperling; S. Poupier; T. Larsen; A. Shalmi; L. Skibsted; H. Zingenberg; F. Jørgensen; C. Ekelund; P. Sandager; O. Petersen (Denmark)</i> | OC01.04         |
| 14:53         | Discussion  |                 |
| 14:55         | Percutaneous transhepatic ultrasound-guided cardiac catheterization in a fetal lamb model<br><i>A. Edwards<sup>1</sup>; S. Menahem<sup>1</sup>; A. Veldman<sup>1</sup>; D. Schranz<sup>2</sup>; F. Wong<sup>1</sup>. <sup>1</sup>(Australia); <sup>2</sup>(Germany)</i>   | OC01.05         |
| 15:03         | Discussion  |                 |
| 15:05         | Ultrasound accuracy in prediction of rectosigmoid involvement in advanced ovarian cancer patients<br><i>M. Zikan; D. Fischerova; I. Pinkavova; D. Cibula (Czech Republic)</i>   | OC01.06         |
| 15:13         | Discussion  |                 |
| 15:15 – 15:45 | Coffee and e-poster viewing   | Exhibition hall |
| 15:45 – 17:50 | AGM, awards, special lectures and opening ceremony  | Hall A1         |
| 15:45         | Chairs: <i>A. Tabor (Denmark); O.B. Petersen (Denmark)</i><br>Welcome from the ISUOG President<br><i>A. Tabor (Denmark)</i><br>ISUOG: Where are we now? (AGM)<br><i>A. Tabor (Denmark), A. Abuhamad (United States), A. Ngu (Australia)</i>   |                 |
| 16:15         | Stuart Campbell lecture: vaginal progesterone reduces the rate of preterm birth in women with a sonographic short cervix: a multicenter, randomised, double-blind, placebo-controlled trial<br><i>S. Hassan (United States)</i>   |                 |
| 16:35         | Presentation of the Ian Donald Medal for Technical Development<br><i>S. Eik-Nes (Norway)</i>  |                 |
| 16:40         | Ian Donald Medal for Technical Development lecture: Ultrafast ultrasonic imaging to elasticity imaging<br><i>M. Fink (France)</i>   |                 |
| 16:55         | Presentation of the Ian Donald Gold Medal: invasive procedures now and then<br><i>S. Campbell (United Kingdom)</i>  |                 |
| 17:05         | Ian Donald Gold Medal lecture<br><i>J. Bang (Denmark)</i>   |                 |
| 17:15         | The future of non-invasive prenatal diagnosis<br><i>D. Bianchi (United States)</i>  |                 |
| 17:50 – 18:15 | Performance from contemporary composer Frederik Magle   | Hall A1         |
| 18:15 – 20:00 | Welcome reception   | Exhibition hall |



Frederik Magle

\*\* Luncheon satellite symposia are brought to you by our sponsors and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content.

# Short oral presentations – Sunday 9 September 2012

## OP01: Fetal growth restriction: outcomes, associations and abnormalities

Hall A1

Chairs: C. Bilardo (Netherlands); T. Kiserud (Norway)

|   |                   |
|---|-------------------|
| Second trimester growth restriction and underlying fetal anomalies  | OP01.01           |
| <u>Y. Ville</u> (France)  |                   |
| Increased cardiovascular risk in hypertensive disorders (HD) of placental origin  | OP01.02           |
| <u>D. Di Martino</u> (Italy)  |                   |
| Aortic wall thickness in twin growth restricted fetuses   | OP01.03 & OP01.04 |
| <u>M. Bertin</u> (Italy)  |                   |
| Intrauterine growth restriction and developmental programming of renal disease  | OP01.05           |
| <u>M. Bertin</u> (Italy)  |                   |
| Short and long-term impact of intrauterine growth restriction on neurobehavior, white matter diffusion and connectivity in a rabbit model     | OP01.06           |
| <u>M. Illa</u> (Spain)  |                   |
| Neurodevelopmental long-term outcome and perinatal complications of infants with intrauterine growth restriction                              | OP01.07           |
| <u>M. Kollmann</u> (Austria)  |                   |
| Effects of chronic intrauterine hypoxia on CRP and strain rate of abdominal aorta from adult male offspring rabbits                           | OP01.08           |
| <u>G. Lv</u> (China)  |                   |
| Socio-demographic determinants and fetal sonographic measurements in patients with primary infection with cytomegalovirus during pregnancy    | OP01.09           |
| <u>R. Van Nuland</u> (Belgium)  |                   |
| Isolated intrauterine growth restriction in the presence of fetal cytomegalovirus infection: does it predict poor neurodevelopmental outcome? | OP01.10           |
| <u>Y. Yinon</u> (Israel)  |                   |

## OP02: First trimester aneuploidies and fetal anomalies

Hall A3

Chairs: A. Abuhamad (United States); K. Wøjdemann (Denmark)

|  |         |
|--|---------|
| Early first trimester 3D-US trophoblast volume measurements using VOCAL technique  | OP02.01 |
| <u>A. Reus</u> (Netherlands)   |         |
| 3D-virtual reality CRL and embryonic volume measurements in aneuploid fetuses  | OP02.02 |
| <u>L. Baken</u> (Netherlands)  |         |
| Intracranial morphometry of the first trimester fetus with chromosomal anomalies   | OP02.03 |
| <u>G. Lau</u> (United States)  |         |
| Oblique axial view of the brain to evaluate posterior brain: should be considered part of the routine 11–13 week scan?   | OP02.04 |
| <u>F. Guerra</u> (Chile)   |         |
| Disparities in first trimester screening in the US   | OP02.05 |
| <u>P. Dar</u> (United States)  |         |
| Aneuploidy: a retrospective review over a 5 year period (from 2007–2011 inclusive) of all known cases of aneuploidy at a large university hospital trust in outer London (Barking, Havering and Redbridge University Hospital) | OP02.06 |
| <u>C. MacLavery</u> (United Kingdom)   |         |
| Trend in uptakes of prenatal testing for Down syndrome   | OP02.07 |
| <u>K. Leung</u> (Hong Kong)  |         |
| Safe/Speedy CVS using needle-guide and pre-procedural color/power Doppler  | OP02.08 |
| <u>R. Poo</u> (Japan)  |         |
| Early experience on the clinical utility of Non-Invasive Fetal Trisomy (NIFTY) test by maternal plasma sequencing  | OP02.09 |
| <u>T. Lau</u> (Hong Kong)  |         |
| Non-invasive prenatal detection of fetal autosomal aneuploidies using massively parallel sequencing: a collaborative study in Europe   | OP02.10 |
| <u>W. Hofmann</u> (Germany)  |         |
| Rate of miscarriage and stillbirth following first-trimester risk assessment   | OP02.11 |
| <u>C. Wulff</u> (Denmark)  |         |

## OP03: New technology in gynecological investigation

Auditorium 15

Chairs: B. Benacerraf (United States); E. Epstein (Sweden)

|  |         |
|--|---------|
| Evaluation of the uterine fundus orientation in relation to the longitudinal axis of the body by 3-D ultrasound                            | OP03.01 |
| <u>E. Sinkovskaya</u> (United States)  |         |
| The use of 3D as a quality control in conization   | OP03.02 |
| <u>A. Dueckelmann</u> (Germany)  |         |
| Estimation of uterine volume: A comparison between ViewPoint/ Astraia and 3D VOCAL analysis in relation to uterine dry weight              | OP03.03 |
| <u>I. Casikar</u> (Australia)  |         |
| The influence of patient characteristics on the image quality of the endometrial-myometrial junction (EMJ)                                 | OP03.04 |
| <u>A. Votino</u> (Belgium)   |         |
| Sonographic evaluation of uterine Cesarean scar in late puerperium   | OP03.05 |
| <u>P. Piekarski</u> (Poland)   |         |
| Abstract withdrawn   | OP03.06 |
| Influence of gain adjustment on three-dimensional power Doppler indices and on STIC volumetric pulsatility indices using an in vitro model | OP03.07 |
| <u>W. Martins</u> (Brazil)   |         |
| Comparing performance of Least-Squares Support Vector Machines versus logistic regression as patient group sizes increase                  | OP03.08 |
| <u>A. Installe</u> (Belgium)   |         |
| The sonographic prediction of invasive carcinoma in unilocular-solid ovarian cysts in premenopausal patients: a pilot study                | OP03.09 |
| <u>A. Testa</u> (Italy)  |         |


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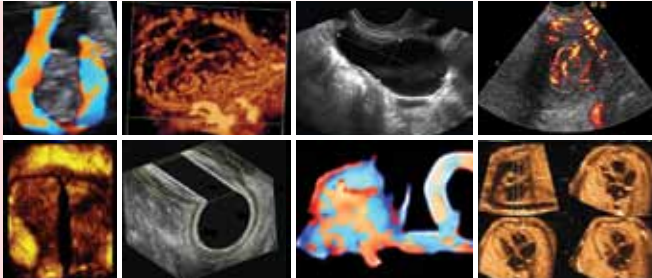
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# Monday 10 September – Program

MTP  
€25

07:45 – 08:25

'Meet the professor' sessions *(these are not part of the main program and must be booked – see program for details)*

OC

08:30 – 09:50

Fetal cardiac anomalies: diagnostic tools and interventions *Hall A1*

Early pregnancy *Hall A3*

Fetal therapy: neural tube defects *Auditorium 15*

OP

09:55 – 10:35

Outcomes of fetal cardiac evaluation *Hall A1*

Early pregnancy complications *Hall A3*

Fetal interventions *Auditorium 15*

Quality assessment of the first trimester scan *Meeting room 18*

Prediction and prevention of preterm delivery *Meeting room 19*

Doppler in placental insufficiency *Auditorium 12*

OC

11:00 – 12:00

Aneuploidy and fetal anomalies: first trimester *Hall A1*

Reproductive medicine *Hall A3*

Outcomes of fetal cardiac evaluation *Auditorium 15*

OP

12:05 – 12:45

Studying maternal and fetal physiology using Doppler *Hall A1*

Reproductive medicine *Hall A3*

First trimester cardiac evaluation *Auditorium 15*

Urogynecology and pelvic floor *Meeting room 18*

Posterior fossa and neural tube defects *Meeting room 19*

Monochorionic twins *Auditorium 12*

Sponsor

13:00 – 14:00

GE Healthcare satellite symposium *Hall A1*

OC

14:15 – 15:30

Cardiac and extra-cardiac functional assessment in fetal anomalies *Hall A1*

Preterm labour *Hall A3*

Urogynecology *Auditorium 15*

Workshops

16:00 – 17:30

Borderline findings in fetal cardiovascular systems *Hall A1*

Late onset IUGR *Hall A3*

Fertility *Auditorium 15*

Reducing risk in twin pregnancies *Meeting room 18*

Congenital infections *Meeting room 19*

Outreach *Auditorium 12*

MTP  
€25

17:45 – 18:25

'Meet the professor' sessions *(these are not part of the main program and must be booked – see program for details)*





## Outreach Workshop

*A day in ISUOG Outreach:  
Perspectives from the field*

**Monday**  
**10 September**  
**4:00pm - 5:30pm**  
*Auditorium 12*



The ISUOG **Outreach** program provides intensive hands-on training in ultrasound, supported by essential theoretical knowledge, in underserved regions of the world.

Each ISUOG Outreach training project is preceded by a comprehensive needs assessment and is targeted specifically to local needs.

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# Program – Monday 10 September 2012

**07:45 – 08:25 'Meet the professor' sessions**

 Supported by: Toshiba Medical Systems<sup>#</sup>

Entry to these sessions is NOT included in the Congress registration fee.

Tickets cost €25 to include continental breakfast and can be booked at the registration desk if places are available.

You will receive a ticket as proof of your registration, which you will need for entry to the session.

|   |                        |
|---|------------------------|
| <b>Early fetal echocardiography</b><br><i>J. Carvalho (United Kingdom)</i>                                | <b>Bella Vista 5</b>   |
| <b>Everything you always wanted to know about fetal arrhythmias</b><br><i>J. Copel (United States)</i>    | <b>Hall A3</b>         |
| <b>Getting the most out of 3D volumes</b><br><i>L. Platt (United States)</i>                              | <b>Meeting room 18</b> |
| <b>Levator trauma</b><br><i>H. Dietz (Australia)</i>  | <b>Meeting room 19</b> |
| <b>2nd trimester anomaly scan: what you can see &amp; what you must see</b><br><i>D. Paladini (Italy)</i> | <b>Auditorium 12</b>   |

**08:30 – 09:50 Fetal cardiac anomalies: diagnostic tools and interventions Hall A1**

|       |  |         |
|-------|--|---------|
|       | Chairs: <i>J. Carvalho (United Kingdom); W. Lee (United States)</i>  |         |
| 08:30 | Live scan: 2D/3D automated assessment of the fetal heart [supported by: Philips*]<br><i>W. Lee (United States)</i>   |         |
| 08:50 | Ebstein's anomaly of the tricuspid valve in the fetus: a multicentre experience<br><i>I. Gottschalk; L. Gottschalk; R. Stressig; J. Ritgen; U. Herberg; J. Breuer; R. Oberhoffer; M. Schneider; B. Asfour; V. Hrsaka; K. Tchatcheva; U. Gembruch; A. Geipel; C. Berg (Germany)</i> | OC02.01 |
| 08:55 | Discussion   |         |
| 08:58 | PR interval assessment in patients with elevated anti-SSA/Ro or anti-SSB/La antibodies: results of a standardized monitoring protocol<br><i>A. Shah; D. Ouyang (United States)</i>   | OC02.02 |
| 09:03 | Discussion   |         |
| 09:06 | Antenatal cardiovascular MRI using a new method to trigger the fetal heart: blood flow measurements of the fetal aorta and comparison to ultrasound<br><i>M. Tavares de Sousa; K. Hecher; B. Schoennagel; C. Much; J. Yamamura; U. Wedegaertner (Germany)</i>                      | OC02.03 |
| 09:11 | Discussion   |         |
| 09:14 | Premature obstruction of the foramen ovale detected in fetal life - a single centre experience<br><i>K. Tchatcheva; I. Gottschalk; U. Herberg; J. Breuer; T. Kohl; A. Geipel; U. Gembruch; C. Berg (Germany)</i>   | OC02.04 |
| 09:19 | Discussion   |         |
| 09:22 | Fetal cardiac intervention: 8-year experience<br><i>D. Escribano; I. Herraiz; E. Gomez Montes; J. Martinez-Moratalla Valcarcel; A. Mendoza; A. Galindo (Spain)</i>   | OC02.05 |
| 09:27 | Discussion   |         |
| 09:30 | CASSEAL: fetal cardiovascular system sonographic evaluation algorithm. An extended axial echocardiographic protocol for prenatal diagnosis<br><i>C. Bravo; F. Gámez; R. Pérez; L. Ortiz; J. De Leon Luis (Spain)</i>   | OC02.06 |
| 09:35 | Discussion   |         |
| 09:38 | Fetal left brachiocephalic vein in normal and abnormal conditions<br><i>E. Sinkovskaya<sup>1</sup>; A. Abuhamad<sup>1</sup>; S. Horton<sup>1</sup>; R. Chaoui<sup>2</sup>; K. Kar<sup>2</sup>. <sup>1</sup>(United States); <sup>2</sup>(Germany)</i>                              | OC02.07 |
| 09:43 | Discussion   |         |

**08:30 – 09:50 Early pregnancy Hall A3**

|       |   |         |
|-------|---|---------|
|       | Chairs: <i>T. Bourne (United Kingdom); O. Lidegaard (Denmark)</i>   |         |
| 08:30 | Predicting pregnancy outcome: how can we advise women about their chances of miscarrying?<br><i>C. Bottomley (United Kingdom)</i>   |         |
| 08:45 | Rationalising the management of PUL by reducing follow-up<br><i>B. Van Calster (Belgium)</i>  |         |
| 09:00 | <sup>yi</sup> Do pocket-sized ultrasound machines correlate well in measurements with high specification ultrasound machines?<br><i>A. Sayasneh<sup>1</sup>; J. Preisler<sup>1</sup>; A. Smith<sup>1</sup>; S. Saso<sup>1</sup>; O. Najji<sup>1</sup>; Y. Abdallah<sup>1</sup>; C. Stalder<sup>1</sup>; A. Daemen<sup>2</sup>; D. Timmerman<sup>2</sup>; T. Bourne<sup>1,2</sup>. <sup>1</sup>(United Kingdom); <sup>2</sup>(Belgium)</i> | OC03.01 |
| 09:05 | Discussion  |         |
| 09:08 | Pregnancies with a mean gestational sac diameter ≥ 20mm and no visible embryo: a 12 year retrospective audit of clinical practice<br><i>Y. Faiza; J. Lloyd; J. Johns; J. Ross (United Kingdom)</i>  | OC03.02 |
| 09:13 | Discussion  |         |
| 09:16 | <sup>yi</sup> The significance of first trimester subchorionic haematomas or 'chorionic bumps'<br><i>Y. Sana; A. Appiah; A. Davison; J. Johns; K. Nicolaides; J. Ross (United Kingdom)</i>  | OC03.03 |
| 09:21 | Discussion  |         |

<sup>#</sup> MTP sessions are supported by an unrestricted educational grant from Toshiba Medical Systems. Educational content is delivered by the speaker. Technical support is provided by sponsors where needed.

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<sup>yi</sup> This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).

# Program – Monday 10 September 2012

|       |  |         |
|-------|--|---------|
| 09:24 | Prediction of pregnancy of unknown location (PUL) outcome after single-visit: the use of 3-D uterine cavity symmetry<br><i>S. Reid<sup>1</sup>; C. Lu<sup>2</sup>; I. Casikar<sup>1</sup>; G. Condous<sup>1</sup>. <sup>1</sup>(Australia); <sup>2</sup>(United Kingdom)</i> | OC03.04 |
| 09:29 | Discussion   |         |
| 09:32 | Three-dimensional ultrasound characterization of uterine junctional zone in patients with recurrent miscarriage: a new diagnostic tool?<br><i>N. Lazzarin; E. Vaquero; C. Exacoustos; G. De Felice; V. Romeo; M. Romanini; D. Arduini (Italy)</i>                            | OC03.05 |
| 09:37 | Discussion   |         |
| 09:40 | Ectopic pregnancies - the same but different?<br><i>S. Merritt; L. Story; J. McLaren; P. Seed; J. Hamilton (United Kingdom)</i>  | OC03.06 |
| 09:45 | Discussion   |         |
| 09:48 | Summary<br><i>T. Boume (United Kingdom)</i>  |         |

## 08:30 – 09:50 Fetal therapy: neural tube defects Auditorium 15

|       |  |         |
|-------|--|---------|
|       | <i>Chairs: M. Kilby (United Kingdom); A. Johnson (United States)</i>   |         |
| 08:30 | Live scan: Neural tube defect assessment [supported by: Toshiba Medical Systems*]<br><i>D. Pugash (Canada)</i>   |         |
| 08:50 | Lost of lambda's posterior cerebral falx: a new sign of spina bifida<br><i>J. Develay-Morice; N. Frandji-Barbier; G. Haddad; C. d'Ercole; P. Mares (France)</i>  | OC04.01 |
| 08:55 | Discussion   |         |
| 08:58 | Preoperative sonoanatomic examination of fetal spina bifida aperta permits prediction of surgical complexity during subsequent minimally-invasive fetoscopic closure<br><i>T. Kohl; A. Kawecki; J. Degenhardt; R. Axt-Fliedner (Germany)</i>           | OC04.02 |
| 09:03 | Discussion   |         |
| 09:06 | Comparison between two surgical techniques for prenatal correction of meningocele in sheep<br><i>S. Herrera; R. Leme; K. Nishikuni; P. Valente; E. Caldini; P. Saldiva; D. Pedreira (Brazil)</i>   | OC04.03 |
| 09:11 | Discussion   |         |
| 09:14 | Cerebellar herniation in the prenatal correction of meningocele: comparison of two surgical techniques<br><i>N. Bevilacqua; S. Herrera; P. Valente; L. Pina; P. Saldiva; D. Pedreira (Brazil)</i>  | OC04.04 |
| 09:19 | Discussion   |         |
| 09:22 | Maternal outcome after minimally-invasive fetoscopic surgery for spina bifida aperta - the Giessen experience 2010 to 2012<br><i>J. Degenhardt; R. Schürg; A. Kawecki; M. Pawlik; C. Enzensberger; R. Stressig; R. Axt-Fliedner; T. Kohl (Germany)</i> | OC04.05 |
| 09:27 | Discussion   |         |
| 09:30 | Early neurological findings in 20 infants after minimally-invasive fetoscopic surgery for spina bifida aperta at the University of Giessen 2010-2011<br><i>T. Kohl; A. Kawecki; J. Degenhardt; R. Axt-Fliedner; B. Neubauer (Germany)</i>              | OC04.06 |
| 09:35 | Discussion   |         |
| 09:38 | Summary<br><i>M. Kilby (United Kingdom)</i>  |         |

## 09:55 – 10:35 Short oral presentation (OP) sessions

|  |                        |
|--|------------------------|
| <b>OP04: Outcomes of fetal cardiac evaluation</b>                    | <b>Hall A1</b>         |
| <i>Chairs: B. Tutschek (Switzerland); J. Copel (United States)</i>   |                        |
| <b>OP05: Early pregnancy complications</b>                           | <b>Hall A3</b>         |
| <i>Chair: E. Dreisler (Denmark); E. Kirk (United Kingdom)</i>        |                        |
| <b>OP06: Fetal interventions</b>                                     | <b>Auditorium 15</b>   |
| <i>Chairs: M. Bebbington (United States); K. Sundberg (Denmark)</i>  |                        |
| <b>OP07: Quality assessment of the first trimester scan</b>          | <b>Meeting room 18</b> |
| <i>Chairs: J. Hyett (Australia); H. Blaas (Norway)</i>               |                        |
| <b>OP08: Prediction and prevention of preterm delivery</b>           | <b>Meeting room 19</b> |
| <i>Chairs: S. Hassan (United States); N. Uldbjerg (Denmark)</i>      |                        |
| <b>OP09: Doppler in placental insufficiency</b>                      | <b>Auditorium 12</b>   |
| <i>Chairs: C. Lees (United Kingdom); J. Espinoza (United States)</i> |                        |

## 10:30 – 11:00 Coffee and e-poster viewing Exhibition hall

## 11:00 – 12:00 Aneuploidy and fetal anomalies: first trimester Hall A1

|       |  |         |
|-------|--|---------|
|       | <i>Chairs: C. Bilardo (Netherlands); K. Kagan (Germany)</i>  |         |
| 11:00 | Live scan: Nuchal translucency screening and beyond [supported by: Toshiba Medical Systems*]<br><i>R. Chaoui (Germany)</i>   |         |
| 11:20 | Reliability of first trimester structural sonographic extended evaluation<br><i>D. Iliescu<sup>1</sup>; S. Tudorache<sup>1</sup>; A. Comanescu<sup>1</sup>; L. Novac<sup>1</sup>; P. Antsaklis<sup>2</sup>; N. Cernea<sup>1</sup>. <sup>1</sup>(Romania); <sup>2</sup>(Greece)</i>   | OC05.01 |
| 11:25 | Discussion   |         |
| 11:28 | Screening for fetal spina bifida by ultrasound examination in the first trimester of pregnancy at 11-14 weeks' using fetal biparietal measurement diameter<br><i>J. Bernard<sup>1</sup>; H. Cuckle<sup>2</sup>; J. Stirnemann<sup>1</sup>; L. Salomon<sup>1</sup>; Y. Ville<sup>1</sup>. <sup>1</sup>(France); <sup>2</sup>(United States)</i> | OC05.02 |
| 11:33 | Discussion   |         |
| 11:36 | Ductus venosus in Down's syndrome screening: which is the strategy of choice?<br><i>C. Comas; M. Echevarria; M. Rodriguez; I. Rodriguez; B. Serra (Spain)</i>  | OC05.03 |
| 11:41 | Discussion   |         |

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# Program – Monday 10 September 2012

|       |   |         |
|-------|---|---------|
| 11:44 | Adverse pregnancy outcome in fetuses with increased nuchal translucency during the first trimester of pregnancy in a Chilean population<br><i>M. Parra-Cordero; A. Sepulveda-Martinez; H. Muñoz; E. Valdes; D. Pedraza (Chile)</i>  | OC05.04 |
| 11:49 | Discussion  |         |
| 11:52 | The Danish Fetal Medicine Database: establishment and quality assessment of first trimester screening for trisomy 21 in the period 2008-2010<br><i>A. Taber; C. Ekølund; O. Petersen; F. Jørgensen; L. Skibsted; P. Skovbo; S. Sommer; B. Stavnstrup; G. Stoerup; H. Zingenberg (Denmark)</i> | OC05.05 |
| 11:57 | Discussion  |         |

## 11:00 – 12:00 Reproductive medicine

Hall A3

|       |  |         |
|-------|--|---------|
|       | <i>Chairs: S. Campbell (United Kingdom); A. Nyboe Anderson (Denmark)</i>   |         |
| 11:00 | Diagnosing PCO and congenital uterine abnormalities with ultrasound - do we really know what we are talking about?<br><i>T. Van den Bosch (Belgium)</i>  |         |
| 11:10 | Once we know the endocrine profile, does the appearance of the ovaries mean anything when considering PCO or ovarian reserve?<br><i>N. Raine-Fenning (United Kingdom)</i>  |         |
| 11:20 | Follicular tracking with three-dimensional ultrasound increases ovarian stimulation efficiency in oocyte donors<br><i>A. Rodriguez; J. Guillen; A. Blazquez; O. Coll; R. Vassena; V. Vernaev (Spain)</i>   | OC06.01 |
| 11:25 | Discussion   |         |
| 11:28 | Correlation between 3D power Doppler of the uterine septum and histology of septal tissue<br><i>H. Gaafar; O. Shawki; M. Mostafa (Egypt)</i>   | OC06.02 |
| 11:33 | Discussion   |         |
| 11:36 | Comparison of two methods to calculate mean VI and FI from ovarian stroma on the basis of spatio-temporal image correlation - high definition flow (STIC-HDF) technology<br><i>M. Kudla<sup>2</sup>; J. Alcazar<sup>1</sup>. <sup>1</sup>(Spain); <sup>2</sup>(Poland)</i> | OC06.03 |
| 11:41 | Discussion   |         |
| 11:44 | How does IVF affect cyclical changes in subendometrial vascularity<br><i>S. Sur; B. Campbell; N. Raine-Fenning (United Kingdom)</i>  | OC06.04 |
| 11:49 | Discussion   |         |
| 11:52 | Summary<br><i>S. Campbell (United Kingdom)</i>   |         |

## 11:00 – 12:00 Outcomes of fetal cardiac evaluation

Auditorium 15

|       |  |                   |
|-------|--|-------------------|
|       | <i>Chairs: H. Gardiner (United Kingdom); A. Abuhamad (United States)</i>   |                   |
| 11:00 | Fetal echocardiographic measurements and the need for neonatal surgical intervention in tetralogy of Fallot<br><i>B. Arya; K. Woldu; S. Levasseur; J. Glickstein; I. Williams (United States)</i>  | OC07.01           |
| 11:05 | Discussion   |                   |
| 11:08 | Outcomes of cardiac neonatal lupus: Impact of standardized transplacental fetal treatment in comparison with randomly treated patient cohorts<br><i>E. Jaeggi<sup>1</sup>; B. Cuneo<sup>2</sup>; J. Fouron<sup>1</sup>; E. Silverman<sup>1</sup>; D. Hutter<sup>1</sup>; L. Hornberger<sup>1</sup>; A. Moon-Grady<sup>2</sup>. <sup>1</sup>(Canada); <sup>2</sup>(United States)</i> | OC07.02           |
| 11:13 | Discussion   |                   |
| 11:16 | The significance of foramen ovale view in fetuses with prenatal diagnosis of complete transposition of the great arteries (d-TGA)<br><i>K. Janiak; B. Stanek; J. Moll; M. Respondek-Liberska (Poland)</i>  | OC07.03           |
| 11:21 | Discussion   |                   |
| 11:24 | Fetal echocardiographic surveillance and postnatal outcome of 149 anti-Ro52 exposed fetuses at risk of atrioventricular heart block<br><i>S. Sonesson; L. Lagnefeldt; G. Bergman; M. Wahren-Herlenius (Sweden)</i>   | OC07.04           |
| 11:29 | Discussion   |                   |
| 11:32 | Anatomical determinants for the outcome in the prenatal diagnosis of the DORV<br><i>M. Herrera; A. Camacho; J. Arenas; M. Rebolledo (Colombia)</i>   | OC07.05           |
| 11:37 | Discussion   |                   |
| 11:40 | Cardiovascular programming in intrauterine growth restriction<br><i>M. Cruz Lemini; F. Crispi; B. Bijmens; B. Valenzuela-Alcaraz; M. Sitges; F. Figueras; E. Gratacós (Spain)</i>  | OC07.06 & OC07.07 |
| 11:45 | Discussion   |                   |
| 11:48 | Prognostic value of the isthmic systolic index (ISI) in fetuses with congenital diaphragmatic hernia<br><i>E. Codsí; S. Wavrant; T. Marty; L. Duperron; J. Dubé; F. Audibert; J. Fouron (Canada)</i>   | OC07.08           |
| 11:53 | Discussion   |                   |

## 12:05 – 12:45 Short oral presentation (OP) sessions

|  |                 |
|--|-----------------|
| <b>OP10: Studying maternal and fetal physiology using Doppler</b>        | Hall A1         |
| <i>Chairs: S. Eik-Nes (Norway); S. Gudmundsson (Sweden)</i>              |                 |
| <b>OP11: Reproductive medicine</b>                                       | Hall A3         |
| <i>Chairs: N. Raine-Fenning (United Kingdom); L. Jokubkiene (Sweden)</i> |                 |
| <b>OP12: First trimester cardiac evaluation</b>                          | Auditorium 15   |
| <i>Chairs: C. Berg (Germany); E. Jaeggi (Canada)</i>                     |                 |
| <b>OP13: Urogynecology and pelvic floor</b>                              | Meeting room 18 |
| <i>Chairs: L. Mouritsen (Denmark); D. Valsky (Israel)</i>                |                 |
| <b>OP14: Posterior fossa and neural tube defects</b>                     | Meeting room 19 |
| <i>Chairs: M. Sanz-Cortes (Spain); T. Ghi (Italy)</i>                    |                 |
| <b>OP15: Monozygotic twins</b>   | Auditorium 12   |
| <i>Chairs: A. Gagnon (Canada); A. Bhide (United Kingdom)</i>             |                 |



# Program – Monday 10 September 2012

| 12:45 – 14:15 | Lunch and e-poster viewing   | Exhibition hall |
|---------------|--|-----------------|
| 13:00 – 14:00 | GE Healthcare satellite symposium**  | Hall A1         |
| 14:15 – 15:30 | Cardiac and extra-cardiac functional assessment in fetal anomalies   | Hall A1         |
|               | <i>Chairs: R. Chaoui (Germany); A Papageorgiou (United Kingdom)</i>  |                 |
| 14:15         | B-flow derived M-mode is a reliable tool to detect diastolic run-off in fetal aortic coarctation<br><i>D. Paladin; M. Sorrentino; G. Pastore; B. Cioffi; G. Sglavo; C. Nappi (Italy)</i>   | OC08.01         |
| 14:20         | Discussion   |                 |
| 14:23         | Experimental assessment of ductus arteriosus flow, oxidative stress and polyphenol excretion after maternal polyphenol-rich diet in late pregnancy<br><i>P. Zielinsky; G. Bubols; A. Piccoli; I. Vian; L. Nicoloso; A. Zilio; M. Charão; P. Pizzato; M. Lopes; S. Busato; C. Barbisan; M. Alievi; M. Barra; S. Garcia (Brazil)</i> | OC08.02         |
| 14:28         | Discussion   |                 |
| 14:31         | Brain metabolism assessed by magnetic resonance spectroscopy in fetuses with major congenital heart defects<br><i>N. Masoller; M. Sanz-Cortes; J. Martinez; O. Gómez; M. Bennasar; F. Crispí; N. Bargalló; B. Puerto; E. Gratacós (Spain)</i>  | OC08.03         |
| 14:36         | Discussion   |                 |
| 14:39         | Fetal myocardial performance (Tei) index in fetal hemoglobin Bart's disease<br><i>S. Luewan; F. Tongprasert; K. Srisupundit; T. Tongsong (Thailand)</i>  | OC08.04         |
| 14:44         | Discussion   |                 |
| 14:47         | Systolic flow patterns through the aortic isthmus of normal fetuses: the isthmic systolic index (ISI)<br><i>J. Thomas<sup>1</sup>; N. Dahdah<sup>2</sup>; J. Fouron<sup>2</sup>. <sup>1</sup>(France); <sup>2</sup>(Canada)</i>  | OC08.05         |
| 14:52         | Discussion   |                 |
| 14:55         | Fetal pulmonary venous flow and restrictive foramen ovale in hypoplastic left heart<br><i>C. Enzensberger; J. Degenhardt; M. Vogel; N. Fass; A. Kaweckí; T. Kohl; E. Widriani; R. Axt-Fliedner (Germany)</i>   | OC08.06         |
| 15:00         | Discussion   |                 |
| 15:03         | Evaluation of the diastolic function of hydrops fetalis with color M-mode propagation velocity<br><i>Z. Xie; H. Yuan; B. Zhao (China)</i>  | OC08.07         |
| 15:08         | Discussion   |                 |
| 15:11         | Live scan: cardiovascular assessment [supported by: Siemens AG Healthcare Sector*]<br><i>E. Gratacós (Spain)</i>   |                 |
| 14:15 – 15:30 | Preterm labour   | Hall A3         |
|               | <i>Chairs: R. Romero (United States); Z. Alfirevic (United Kingdom)</i>  |                 |
| 14:15         | The effects of being born too early<br><i>Z. Alfirevic (United Kingdom)</i>  |                 |
| 14:30         | Correlation of human cervical collagen microstructure with quantitative ultrasound<br><i>H. Feltovich; L. Reusch; L. Carlsen; T. Hall (United States)</i>  | OC09.01         |
| 14:35         | Discussion   |                 |
| 14:38         | Should cervical length be assessed by transabdominal or transvaginal ultrasound during pregnancy?<br><i>S. Westerway<sup>1</sup>; J. Hyett<sup>1</sup>; L. Henning Pedersen<sup>1,2</sup>. <sup>1</sup>(Australia); <sup>2</sup>(Denmark)</i>  | OC09.02         |
| 14:43         | Discussion   |                 |
| 14:46         | The "pleasing factor gap": sonographers (un-) intentionally measure longer cervical length in the Triple P study, a preterm birth prevention trial<br><i>E. Kleinrouweler; M. van Os; J. van der Ven; B. Mol; M. Haak; E. Pajkrk (Netherlands)</i>   | OC09.03         |
| 14:51         | Discussion   |                 |
| 14:54         | Is there any role for first trimester cervical assessment and uterine artery Doppler as screening test for spontaneous early preterm delivery?<br><i>M. Parra-Cordero; A. Sepulveda-Martinez; G. Rencoret; E. Valdes; H. Muñoz (Chile)</i>   | OC09.04         |
| 14:59         | Discussion   |                 |
| 15:02         | Volume and three-dimensional power Doppler cervical parameters in threatened preterm labour and short cervix pregnancies<br><i>R. De Diego Burillo; G. Jalencas; L. Fiores; J. Sabria; A. Vela; J. Laila (Spain)</i>   | OC09.05         |
| 15:07         | Discussion   |                 |
| 15:10         | A novel method to predict preterm delivery in patients with preterm uterine contractions and intact membranes<br><i>S. Olgan; M. Celiloglu; S. Altunyurt (Turkey)</i>  | OC09.06         |
| 15:15         | Discussion   |                 |
| 15:18         | The use of vaginal natural progesterone for prevention of preterm birth in IVF/ICSI pregnancies<br><i>M. Aboulghar; M. Aboulghar; Y. Amin; H. Al Inany; G. Serour; R. Mansour (Egypt)</i>  | OC09.07         |
| 15:23         | Discussion   |                 |
| 15:26         | Summary<br><i>Z. Alfirevic (United Kingdom)</i>  |                 |

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# Program – Monday 10 September 2012

| 14:15 - 15:30 Urogynecology   |   | Auditorium 15   |
|---|---|-----------------|
|   | <i>Chairs: S. Yagel (Israel); H. Dietz (Australia)</i>  |                 |
| 14:15   | Live scan: Levator trauma - prevention, detection and tailoring treatment [supported by: Siemens AG Healthcare Sector*]<br><i>H. Dietz (Australia)</i>  |                 |
| 14:35   | Diagnosing levator defects on 3D transperineal ultrasound compared to MR imaging<br><i>K. Notten; M. Weemhoff; K. Schweitzer; J. Futterer; J. Stoker; F. Mulder; R. Beets-Tan; R. Vliegen; J. Roovers; K. Kluijvers (Netherlands)</i> | OC10.01         |
| 14:40   | Discussion  |                 |
| 14:43   | Comparison of two scoring systems for diagnosing levator ani muscle damage<br><i>T. Vergeldt; M. Weemhoff (Netherlands)</i>   | OC10.02         |
| 14:48   | Discussion  |                 |
| 14:51   | Robotic versus laparoscopic sacrocolpopexy: a three dimensional ultrasound study<br><i>V. Eisenberg; M. Steinberg; Z. Weiner; M. Alcalay; J. Itskovitz-Eldor; E. Schiff; L. Lowenstein (Israel)</i>                                   | OC10.03         |
| 14:56   | Discussion  |                 |
| 14:59   | Pelvic floor trauma: does a second birth matter?<br><i>A. Horak<sup>1</sup>; R. Guzman Rojas<sup>2</sup>; K. Shek<sup>2</sup>; H. Dietz<sup>2</sup>. <sup>1</sup>(South Africa); <sup>2</sup>(Australia)</i>                          | OC10.04         |
| 15:04   | Discussion  |                 |
| 15:07   | Parity and urethral mobility and morphology measured by ultrasound<br><i>C. Ros; M. Espuña (Spain)</i>  | OC10.05         |
| 15:12   | Discussion  |                 |
| 15:15   | The association between vaginal childbirth and hiatal dimensions<br><i>I. Kamisan Atan; B. Gerges; K. Shek; H. Dietz (Australia)</i>  | OC10.06         |
| 15:20   | Discussion  |                 |
| 15:23   | Summary<br><i>S. Yagel (Israel)</i>   |                 |
| 15:30 – 16:00 Coffee and e-poster viewing                                   |   | Exhibition hall |
| 16:00 – 17:30 Workshop: Borderline findings in fetal cardiovascular systems |   | Hall A1         |
|   | <i>Chair: D. Paladini (Italy)</i>   |                 |
| 16:00   | Live scan: The fetal heart: beyond the 4-chamber and outflow tracts [supported by: Hitachi Medical Systems – Hitachi Aloka*]<br><i>J. Carvalho (United Kingdom)</i>   |                 |
| 16:20   | Is the position of the heart abnormal?<br><i>D. Paladini (Italy)</i>  |                 |
| 16:35   | Discussion  |                 |
| 16:40   | The left superior vena cava<br><i>R. Chaoui (Germany)</i>   |                 |
| 16:55   | Discussion  |                 |
| 17:00   | Skipped beats - how to manage<br><i>J. Carvalho (United Kingdom)</i>  |                 |
| 17:15   | Discussion  |                 |
| 16:00 – 17:30 Workshop: Late onset IUGR                                     |   | Hall A3         |
|   | <i>Chair: A. Papageorghiou (United Kingdom)</i>   |                 |
| 16:00   | Physiology of late growth restricted fetuses<br><i>A. Baschat (United States)</i>   |                 |
| 16:15   | Discussion  |                 |
| 16:20   | IUGR diagnosis: which chart to use<br><i>A. Papageorghiou (United Kingdom)</i>  |                 |
| 16:35   | Discussion  |                 |
| 16:40   | Use of CGH in the evaluation of IUGR<br><i>M. Westgren (Sweden)</i>   |                 |
| 16:55   | Discussion  |                 |
| 17:00   | Management of labor and delivery in IUGR<br><i>F. Figueras (Spain)</i>  |                 |
| 17:15   | Discussion  |                 |
| 16:00 – 17:30 Workshop: Fertility   |   | Auditorium 15   |
|   | <i>Chairs: N. Raine-Fenning (United Kingdom); M. Dueholm (Denmark)</i>  |                 |
| 16:00   | Criteria for diagnosis and clinical relevance of uterine congenital abnormalities<br><i>T. Van den Bosch (Belgium)</i>  |                 |
| 16:20   | Live scan: 3D ultrasound studies of IUCD location [supported by: Samsung Medison*]<br><i>B. Benacerraf (United States)</i>  |                 |
| 16:40   | The tolerability, accuracy and side effects of HyCoSy to test tubal patency<br><i>L. Savelli (Italy)</i>  |                 |
| 17:00   | Diagnosing endometriosis and models for benign tumours<br><i>C. Van Holsbeke (Belgium)</i>  |                 |
| 17:20   | Discussion  |                 |

\* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.

# Program – Monday 10 September 2012

## 16:00 – 17:30 Workshop: Reducing risk in twin pregnancies Meeting room 18

- 16:00 Chair: Y. Ville (France)  
Progesteronein prevention of preterm birth in twins  
L. Rode (Denmark)
- 16:20 Selective reduction in monochorionic twins  
Y. Ville (France)
- 16:40 Timing of delivery in twins  
G. Visser (Netherlands)
- 17:00 Multifetal reduction as a way to reduce risks in twins: true or false?  
A. Gagnon (Canada)

## 16:00 – 17:30 Workshop: Congenital infections Meeting room 19

- 16:00 Chair: L. Salomon (France)  
Cytomegalovirus  
S. Lipitz (Israel)
- 16:15 Discussion
- 16:20 Toxoplasmosis  
L. Salomon (France)
- 16:35 Discussion
- 16:40 Parvo virus and transfusion: long term consequences  
E. Lopriore (Netherlands)
- 16:55 Discussion
- 17:00 Serologies, understanding the confusion  
C. Bohn Christiansen (Denmark)
- 17:15 Discussion

## 16:00 – 17:30 Workshop: Outreach Auditorium 12

- 16:00 Chair: A. Abuhamad (United States)  
Welcome  
S. Johnson (United Kingdom)
- 16:05 Getting ready for the trip: what to pack and how to be prepared  
A. Johnson (United States)
- 16:20 The ISUOG lecture series: content and how it is delivered  
L. Hanson (United States)
- 16:35 Live scan: The ISUOG hands-on ultrasound training: real-time demonstration [supported by: GE Healthcare\*]  
A. Abuhamad (United States)
- 16:55 Perspectives from a trainee: the impact of ISUOG training  
B. Bosque-Hamilton (Ghana)
- 17:15 Debriefing the team: plans for the future  
M. Kamio Badiella (United Kingdom)
- 17:25 Questions and closing  
A. Abuhamad (United States)

## 17:45 – 18:25 'Meet the professor' sessions Supported by: Toshiba Medical Systems#

Entry to these sessions is NOT included in the Congress registration fee.

**Tickets cost €25** to include snacks and drinks and can be booked at the registration desk if places are available.

You will receive a ticket as proof of your registration, which you will need for entry to the session.

**Fetal echocardiography: 45 minutes of tips and pearls in normal and abnormal hearts**  
A. Abuhamad (United States)

*Hall A3*

**Ultrasound in reproductive medicine: how to assess the infertile patient with one scan**  
N. Raine-Fenning (United Kingdom)

*Auditorium 15*

**First trimester screening**  
C. Bilardo (Netherlands)

*Meeting room 18*

**Preterm birth: managing risk in singletons and multiples**  
Y. Ville (France)

*Meeting room 19*

**3D ultrasound approach to CNS evaluation**  
B. Tutschek (Switzerland)

*Auditorium 12*

# MTP sessions are supported by an unrestricted educational grant from Toshiba Medical Systems. Educational content is delivered by the speaker. Technical support is provided by sponsors where needed.

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# Short oral presentations – Monday 10 September 2012

## OP04: Outcomes of fetal cardiac evaluation

Hall A1

Chairs: *B. Tutschek (Switzerland); J. Copel (United States)*

|   |         |
|---|---------|
| Ultrasound based natural history and time-oriented distribution of 536 fetal anomalies                        | OP04.01 |
| <i>S. Rottem (United States)</i>  |         |
| Serial prenatal counseling reduces traumatic stress in mothers carrying a fetus with congenital heart disease | OP04.02 |
| <i>J. Rychik (United States)</i>  |         |
| Prediction of coarctation of the aorta in the second half of pregnancy  | OP04.03 |
| <i>J. Martinez-Moratalla Valcarcel (Spain)</i>  |         |
| Neonatal outcome following labor induction in patients with prenatal diagnosis of congenital heart disease    | OP04.04 |
| <i>K. Francini (Switzerland)</i>  |         |
| Prognostic significance of extra-cardiac anomalies in prenatally diagnosed heterotaxy syndromes               | OP04.05 |
| <i>I. Gottschalk (Germany)</i>  |         |
| Left atrial isomerism or polysplenia syndrome (PSS): prenatal diagnosis and outcome                           | OP04.06 |
| <i>J. Martinez-Moratalla Valcarcel (Spain)</i>  |         |
| Diagnostic value of antepartum foramen ovale by ROC curve predicate on postpartum atrial septal defect        | OP04.07 |
| <i>Y. He (China)</i>  |         |
| Perinatal results after ultrasound prenatal diagnosis of persistent right umbilical vein                      | OP04.08 |
| <i>C. Bravo (Spain)</i>   |         |
| Fetal diagnosis of hypoplastic left heart, associations and outcomes in the current era                       | OP04.09 |
| <i>R. Axt-Fliedner (Germany)</i>  |         |
| Prenatal detection and postnatal outcome in 46 fetuses with a tetralogy of Fallot                             | OP04.10 |
| <i>D. Hartge (Germany)</i>  |         |
| Neurodevelopmental delay in fetuses with congenital heart disease: systematic review and meta-analysis        | OP04.11 |
| <i>A. Khalil (United Kingdom)</i>   |         |
| Correlation between fetal cardiac diagnosis and comparison with postnatal findings                            | OP04.12 |
| <i>C. Enzensberger (Germany)</i>  |         |
| An analysis of incorrect and missed diagnoses in 1,286 patients examined by fetal echocardiography            | OP04.13 |
| <i>Y. He (China)</i>  |         |

## OP05: Early pregnancy complications

Hall A3

Chairs: *E. Dreisler (Denmark); E. Kirk (United Kingdom)*

|   |         |
|---|---------|
| What proportion of intrauterine pregnancies result from ovum transmigration after salpingectomy for ectopic pregnancy?                                      | OP05.01 |
| <i>A. Davison (United Kingdom)</i>  |         |
| Improved performance of a model and simple scoring system to predict outcome of intrauterine pregnancy of uncertain viability: an external validation study | OP05.02 |
| <i>S. Guha (United Kingdom)</i>   |         |
| Expectant management of ectopic pregnancy: when can we safely, successfully and efficiently try?  | OP05.03 |
| <i>S. Merritt (United Kingdom)</i>  |         |
| The use of serum hCG ratio to stratify the subsequent management of women with pregnancy of unknown location (PUL)  | OP05.04 |
| <i>S. Reid (Australia)</i>  |         |
| The crown-rump to yolk sac ratio is inversely correlated with birth weight percentiles  | OP05.05 |
| <i>M. Mongelli (Australia)</i>  |         |
| External validation of a simple ultrasound based scoring system to predict pregnancy viability beyond the first trimester                                   | OP05.06 |
| <i>S. Guha (United Kingdom)</i>   |         |
| The impact of obesity on the medical management of ectopic pregnancies and pregnancies of unknown location  | OP05.07 |
| <i>B. Cloke (United Kingdom)</i>  |         |
| PUL should we abandon?  | OP05.08 |
| <i>P. Ramanathan (United Kingdom)</i>   |         |
| "Pseudogestational sac" of ectopic pregnancy: an outmoded and potentially dangerous term  | OP05.09 |
| <i>C. Benson (United States)</i>  |         |
| Effectiveness of transvaginal ultrasound and pick up of ectopic pregnancy in relation to gestation and biochemical markers                                  | OP05.10 |
| <i>R. Dwivedi (United Kingdom)</i>  |         |
| Biometric ultrasound findings of trophoblastic implantation on Cesarean scars   | OP05.11 |
| <i>E. Moschos (United States)</i>   |         |

## OP06: Fetal interventions

Auditorium 15

Chairs: *M. Bebbington (United States); K. Sundberg (Denmark)*

|   |         |
|---|---------|
| Treatment of fetal tachyarrhythmias in hydropic and non-hydropic fetuses: a systematic review and meta-analysis   | OP06.01 |
| <i>N. Curry (United Kingdom)</i>  |         |
| Longitudinal evaluation of the lung-to-head ratio after fetal tracheal occlusion in severe congenital diaphragmatic hernia: can it predict outcome?                     | OP06.02 |
| <i>R. Ruano (Brazil)</i>  |         |
| High survival rate after late fetoscopic tracheal occlusion followed by postnatal ECMO therapy in infants with severe right diaphragmatic hernia                        | OP06.03 |
| <i>T. Kohl (Germany)</i>  |         |
| Minor bleeding events during fetoscopic surgery for spina bifida aperta result in small but hemodynamically not significant increases of fetal MCA peak velocity        | OP06.04 |
| <i>J. Degenhardt (Germany)</i>  |         |
| Partial amniotic carbon dioxide insufflation (PACI) during fetoscopic surgery on 60 fetuses with spina bifida aperta  | OP06.05 |
| <i>T. Kohl (Germany)</i>  |         |
| Reversal of hindbrain herniation within a few days after minimally-invasive fetoscopic surgery for spina bifida indicates the desired water-tight closure of the lesion | OP06.06 |
| <i>J. Degenhardt (Germany)</i>  |         |
| Preliminary experience with microwave ablation for selective feticide in monozygotic twin pregnancies   | OP06.07 |
| <i>F. Prefumo (Italy)</i>   |         |

# Short oral presentations – Monday 10 September 2012

|  |         |
|--|---------|
| The risk factor for iatrogenic detachment of membranes following fetoscopic laser surgery for twin-twin transfusion syndrome<br><i>T. Murakoshi (Japan)</i>            | OP06.08 |
| Maternal transient tachycardia following treatment of twin-to-twin transfusion syndrome by laser ablation of placental vascular anastomoses<br><i>D. Baud (Canada)</i> | OP06.09 |
| Modified sequential laser photocoagulation of communicating vessels in twin-twin transfusion syndrome<br><i>M. Nakata (Japan)</i>                                      | OP06.10 |

## OP07: Quality assessment of the first trimester scan

**Meeting room 18**

|   |         |
|---|---------|
| <i>Chairs: J. Hyett (Australia); H. Blaas (Norway)</i>  |         |
| Are qualitative and quantitative NT quality-control processes related?<br><i>L. Salomon (France)</i>  | OP07.01 |
| Assessing the added-value of the crown-rump length quality assessment: results from a French national series of 68,250 ultrasound examinations<br><i>F. Dhombres (France)</i> | OP07.02 |
| Manual and semi-automated measurement of the nuchal translucency: are there any clinical significant differences?<br><i>M. Bakker (Netherlands)</i>                           | OP07.03 |
| Effect of bias in the CRL measurement on first trimester screening for trisomy 21<br><i>K. Kagan (Germany)</i>  | OP07.04 |
| Detection of chromosome abnormalities in twin gestations at 11+2 to 14+0 weeks<br><i>S. Roepstorff (Denmark)</i>  | OP07.05 |
| Is it useful more time to make scan in the first trimester?<br><i>L. Rosignoli (Italy)</i>  | OP07.06 |
| First trimester screening: comparison of different risk calculation programs in 115,864 patients<br><i>E. Merz (Germany)</i>  | OP07.07 |
| Comparing results of rapid testing by QF-PCR and full karyotyping for prenatal diagnosis in the west of Scotland<br><i>P. Wu (United Kingdom)</i>                             | OP07.08 |
| Routine antenatal screening for thyroid disease using simultaneous antibody and hormone testing<br><i>I. Dhaifalah (Czech Republic)</i>                                       | OP07.09 |

## OP08: Prediction and prevention of preterm delivery

**Meeting room 19**

|   |         |
|---|---------|
| <i>Chairs: S. Hassan (United States); N. Uldbjerg (Denmark)</i>   |         |
| Complex shear wave propagation in cervix is consistent with collagen microstructure<br><i>H. Feltovich (United States)</i>  | OP08.01 |
| Introduction of a new index of cervical consistency with transvaginal B-mode ultrasonography<br><i>H. Hyodo (Japan)</i>   | OP08.02 |
| Transvaginal ultrasonographic measurement of cervical consistency index (CCI) throughout gestation in twin pregnancy<br><i>M. Parra-Saavedra (Spain)</i>              | OP08.03 |
| Cervical length measurements in patients presenting with preterm contractions at 28–32 weeks gestation<br><i>R. Hershkovitz (Israel)</i>                              | OP08.04 |
| Placental pathologies and associated uterine artery Doppler findings in patients with preterm labor symptoms<br><i>S. Olgan (Turkey)</i>                              | OP08.05 |
| AMIPROM: a pilot RCT on serial transabdominal amnioinfusion versus expectant management in very early PROM<br><i>D. Roberts (United Kingdom)</i>                      | OP08.06 |
| The role of adjuvant progesterone supplementation in patients undergoing cervical cerclage placement<br><i>R. Sebata (United States)</i>                              | OP08.07 |
| Screening of spontaneous preterm delivery by obstetric history and second trimester ultrasound in an unselected Chilean population<br><i>M. Parra-Cordero (Chile)</i> | OP08.08 |

## OP09: Doppler in placental insufficiency

**Auditorium 12**

|  |         |
|--|---------|
| <i>Chairs: C. Lees (United Kingdom); J. Espinoza (United States)</i>   |         |
| Thyroid-stimulating hormone at 11+0 to 13+6 weeks of gestation and its role as screening for pre-eclampsia and small gestational age newborns<br><i>M. Parra-Cordero (Chile)</i> | OP09.01 |
| The value of first trimester maternal serum PAPP-A levels and uterine artery Doppler for the likelihood of development of pre-eclampsia<br><i>A. Bhide (United Kingdom)</i>      | OP09.02 |
| Prediction of pre-eclampsia during the first trimester using a multi-parameter model<br><i>F. Costa (Australia)</i>  | OP09.03 |
| First trimester prediction of pre-eclampsia by maternal brachial artery flow-mediated dilatation<br><i>F. Costa (Australia)</i>  | OP09.04 |
| Pulse wave analysis: evaluation of arterial stiffness in first trimester for prediction of placental and maternal pre-eclampsia (PE)<br><i>D. Di Martino (Italy)</i>             | OP09.05 |
| Hypertensive disorders (HD) of placental and maternal origin: evaluation by applanation tonometry<br><i>D. Di Martino (Italy)</i>  | OP09.06 |
| Second trimester uterine artery Doppler to predict placenta-associated complications in women with systemic lupus erythematosus (SLE)<br><i>G. Pagani (Italy)</i>                | OP09.07 |
| Triple vascular test for prediction of pre-eclampsia<br><i>F. Costa (Australia)</i>  | OP09.08 |
| Value of Doppler sonography near term: can utero- and feto-placental perfusion in low-risk pregnancies predict perinatal outcome?<br><i>C. Bamberg (Germany)</i>                 | OP09.09 |
| Early postpartum uterine artery Doppler velocimetry among patients with severe pre-eclampsia compared to normotensive controls<br><i>R. Hershkovitz (Israel)</i>                 | OP09.10 |



|  |                          |
|--|--------------------------|
| <b>OP10: Studying maternal and fetal physiology using Doppler</b>  | <b>Hall A1</b>           |
| <i>Chairs: S. Eik-Nes (Norway); S. Gudmundsson (Sweden)</i>  |                          |
| Assessment of fetal cerebral and renal blood flow perfusion with three-dimensional ultrasonography in hypoxic fetuses<br><i>G. Lv (China)</i>  | OP10.01                  |
| High frequency ultrasound of the pregnant mouse as a model for evaluating maternal and fetal hemodynamic changes during pregnancy<br><i>E. Hernandez-Andrade (United States)</i>   | OP10.02                  |
| Study of cerebral circulation in pregnancy by Doppler ultrasound<br><i>R. Moreira de Sa (Brazil)</i>   | OP10.03                  |
| Specific temporal and spatial pattern of maternal cardiovascular adaptation to normal pregnancy<br><i>K. Melchiorre (United Kingdom)</i>   | OP10.04                  |
| Hemodynamic adaptation to pregnancy in women with structural heart disease<br><i>J. Cornette (Netherlands)</i>   | OP10.05                  |
| Maternal glucose loading and fetal blood flow distribution: association with birth weight<br><i>G. Haugen (Norway)</i>   | OP10.06                  |
| Relationship between second trimester maternal heart rate and birth weight<br><i>A. Mahendru (United Kingdom)</i>  | OP10.07                  |
| Postnatal functional echocardiography (fECHO) in neonates with abnormal fetal umbilical artery Doppler (UAD)<br><i>R. Olsen (United States)</i>  | OP10.08                  |
| Heat shock protein gene expression in placental insufficiency related pregnancy complications - correlation with severity of the disease and Doppler-determined umbilical artery PI<br><i>I. Hromadnikova (Czech Republic)</i> | OP10.09                  |
| Umbilical artery Doppler reporting in Australasia 2011<br><i>E. McCarthy (Australia)</i>   | OP10.10                  |
| <br><b>OP11: Reproductive medicine</b>   | <br><b>Hall A3</b>       |
| <i>Chairs: N. Raine-Fenning (United Kingdom); L. Jokubkiene (Sweden)</i>   |                          |
| Interobserver variability in the ultrasound diagnosis of congenital uterine anomalies<br><i>D. Van Schoubroeck (Belgium)</i>   | OP11.01                  |
| Uterine junctional zone (JZ) in infertile and fertile patients with and without pelvic endometriosis: a three-dimensional transvaginal ultrasound (3TVS) study<br><i>C. Exacoustos (Italy)</i>                                 | OP11.02                  |
| How early can conception be accurately diagnosed following embryo transfer in IVF treatment?<br><i>S. Sur (United Kingdom)</i>   | OP11.03                  |
| Interobserver variability in the ultrasound diagnosis of polycystic ovaries using pattern recognition<br><i>D. Van Schoubroeck (Belgium)</i>   | OP11.04                  |
| Three-dimensional sonographic assessment of tubal patency with gel foam: hysterosalpingo-foam sonography (HyFoSy)<br><i>C. Exacoustos (Italy)</i>  | OP11.05                  |
| Comparison between different hystero-contrast-salpingosonography (HyCoSy) methods with regard to their ability to ascertain tubal patency<br><i>P. Sladkevicius (Sweden)</i>   | OP11.06                  |
| Three dimensional sonographic assessment of septate uterus: correlation between morphology, volume and vascularity of the septum and reproductive outcome<br><i>C. Exacoustos (Italy)</i>                                      | OP11.07                  |
| Effect of local injury to the endometrium on endometrial vascularization in women undergoing assisted reproduction: a randomized controlled trial<br><i>C. Nastri (Brazil)</i>   | OP11.08                  |
| HyCoSy using gel foam to assess tubal patency<br><i>T. Van den Bosch (Belgium)</i>   | OP11.09                  |
| <br><b>OP12: First trimester cardiac evaluation</b>  | <br><b>Auditorium 15</b> |
| <i>Chairs: C. Berg (Germany); E. Jaeggi (Canada)</i>   |                          |
| Low sensitivity in screening for congenital heart diseases by nuchal translucency in a low risk population of 102,472 pregnancies<br><i>P. Ramaekers (Belgium)</i>   | OP12.01                  |
| The use of spatio-temporal image correlation (STIC) modality before 15 weeks of gestation in a high risk population for congenital heart diseases<br><i>C. Votino (Belgium)</i>  | OP12.02                  |
| First trimester cardiac parameters in the early screening of congenital heart disease (CHD) using high resolution flow imaging mode (e-flow)<br><i>M. Bellotti (Italy)</i>   | OP12.03                  |
| Use of high-definition color Doppler in the assessment of normal and abnormal fetal hearts in early gestation<br><i>E. Sinkovskaya (United States)</i>   | OP12.04                  |
| First trimester: two- or four-dimensional fetal heart study?<br><i>S. Tudorache (Romania)</i>  | OP12.05                  |
| Factors affecting length of first-trimester fetal echocardiography<br><i>D. Nemescu (Romania)</i>  | OP12.06                  |
| Prenatal detection of CHD in the first trimester: diagnostic and clinical problems<br><i>M. Bellotti (Italy)</i>   | OP12.07                  |
| Abnormal first trimester tricuspid or ductus venosus flow in prenatal diagnosis of congenital cardiac defects<br><i>D. Nielsen (Denmark)</i>   | OP12.08                  |
| Congenital heart defects at 11-16 weeks in a high risk population<br><i>M. Bennasar (Spain)</i>  | OP12.09                  |
| Early prenatal diagnosis of tricuspid valve disease<br><i>I. Solt (Israel)</i>   | OP12.10                  |
| Comparison of the cardiac findings at 11 to 14 weeks' gestation with the second trimester findings<br><i>G. Campobasso (Italy)</i>   | OP12.11                  |
| Changing referral patterns for fetal echocardiography: a large single centre study between 2003-2011<br><i>M. Rafiq (United Kingdom)</i>   | OP12.12                  |

# Short oral presentations – Monday 10 September 2012

## OP13: Urogynecology and pelvic floor

Meeting room 18

Chairs: J. Deprest (Belgium); L. Mouritsen (Denmark)

|  |         |
|--|---------|
| The prevalence of anal sphincter injury in primiparous women   | OP13.01 |
| <i>H. Dietz (Australia)</i>  |         |
| Pelvic floor biometries during the first singleton pregnancy in Chinese nulliparous women  | OP13.02 |
| <i>S. Chan (Hong Kong)</i>   |         |
| Learning curve of 3D/4D translabial ultrasound for diagnosing levator defects  | OP13.03 |
| <i>M. Weemhoff (Netherlands)</i>   |         |
| Can ultrasound predict stress incontinence in women after obstetric anal sphincter injury?   | OP13.04 |
| <i>V. Eisenberg (Israel)</i>   |         |
| Patterns of prolapse recurrence after anterior compartment mesh  | OP13.05 |
| <i>H. Dietz (Australia)</i>  |         |
| Ultrasonographic scan evaluation of synthetic mesh used for vaginal cystocele repair comparing two techniques at 2 years follow up | OP13.06 |
| <i>E. Mousty (France)</i>  |         |
| Abstract withdrawn   | OP13.07 |
| Correlation between ultrasound findings and clinical results following surgical anti-incontinence tape procedures                  | OP13.08 |
| <i>B. Ruiz de Gauna (Spain)</i>  |         |
| Hiatal ballooning is an independent risk factor of prolapse recurrence   | OP13.09 |
| <i>H. Dietz (Australia)</i>  |         |
| The "small woman" phenotype - the effect of height on levator morphology   | OP13.10 |
| <i>V. Eisenberg (Israel)</i>   |         |
| Abstract withdrawn   | OP13.11 |

## OP14: Posterior fossa and neural tube defects

Meeting room 19

Chairs: M. Sanz-Cortes (Spain); T. Ghi (Italy)

|   |         |
|---|---------|
| Cisterna magna width at 11–13 weeks in the detection of posterior fossa anomalies   | OP14.01 |
| <i>E. Eixarch (Spain)</i>   |         |
| Posterior brain in fetuses with open spina bifida at 11–13 weeks gestation  | OP14.02 |
| <i>J. Acuna (United States)</i>   |         |
| Assessing the performance of the examination of intracranial translucency and posterior fossa anatomy for the first trimester detection of spina bifida | OP14.03 |
| <i>F. Dhombres (France)</i>   |         |
| Intracranial translucency thickness at 11–14 weeks of gestation in an Indian population   | OP14.04 |
| <i>A. Khurana (India)</i>   |         |
| Three-dimensional sonography of the fetal posterior brain between 11+0-13+6 weeks gestation   | OP14.05 |
| <i>E. Sinkovskaya (United States)</i>   |         |
| Comparing 4D Ultrasound with magnetic resonance in posterior fossa anomalies  | OP14.06 |
| <i>J. Bello-Muñoz (Spain)</i>   |         |
| Assessment of fetal cerebellar vermis development and malformations with transabdominal three-dimensional ultrasonography                               | OP14.07 |
| <i>G. Lv (China)</i>  |         |
| Prenatal diagnosis of Dandy-Walker malformation and Blake's pouch cyst at 15–18 weeks   | OP14.08 |
| <i>E. Contro (Italy)</i>  |         |

## OP15: Monochorionic twins

Auditorium 12

Chairs: A. Gagnon (Canada); A. Bhide (United Kingdom)

|   |         |
|---|---------|
| Cervical length and cervical infection as predictors of success of LASER therapy in twin-to-twin transfusion syndrome (TTTS) data on 433 patients | OP15.01 |
| <i>B. Hollwitz (Germany)</i>  |         |
| Estimated fetal weight (EFW) discordance in twin-to-twin transfusion syndrome: what does it mean?   | OP15.02 |
| <i>M. Bebbington (United States)</i>  |         |
| Comparison between traditional model and novel fetoscopic surgical simulator in training for laser placental dichorionization                     | OP15.03 |
| <i>T. Wataganara (Thailand)</i>   |         |
| Institutional performance of fetoscopic selective laser coagulation for TTTS: a cusum based approach  | OP15.04 |
| <i>L. Salomon (France)</i>  |         |
| Prevalence of neurosonography abnormalities after fetoscopy treatment in complicated monochorionic twin pregnancies                               | OP15.05 |
| <i>A. Peguero (Spain)</i>   |         |
| Right ventricular outflow tract obstruction in recipient twins: impact of fetoscopic laser therapy  | OP15.06 |
| <i>E. Antolin (Spain)</i>   |         |
| Cord occlusion in TTTS: indications and outcome   | OP15.07 |
| <i>K. Schou (Denmark)</i>   |         |
| Selective reduction in complicated monochorionic pregnancies beyond viability: is it feasible?  | OP15.08 |
| <i>Y. Yinon (Israel)</i>  |         |
| Safety and outcomes of selective termination in monochorionic twins   | OP15.09 |
| <i>M. Walker (United States)</i>  |         |

# Tuesday 11 September – Program

MTP  
€25

07:45 – 08:25

'Meet the professor' sessions *(these are not part of the main program and must be booked – see program for details)*

OC

08:30 – 09:50

Advanced CNS evaluation in normal and abnormal conditions *Hall A1*

Cardiovascular effects of fetal growth restriction *Hall A3*

Pelvic pain *Auditorium 15*

OP

09:55 – 10:35

CNS defects and injury *Hall A1*

Technique to characterise fetal growth restriction *Hall A3*

Ultrasound in labour *Auditorium 15*

Pelvic pain and endometriosis *Meeting room 18*

Abnormal uterine bleeding *Meeting room 19*

Doppler techniques and placental findings *Auditorium 12*

OC

11:00 – 12:00

Ultrasound in late pregnancy and labour *Hall A1*

First trimester screening for malformations *Hall A3*

Abnormal bleeding *Auditorium 15*

OP

12:05 – 12:45

Doppler in fetal growth restriction *Hall A1*

Optimising first trimester risk assessment *Hall A3*

Menopause and screening *Auditorium 15*

Cesarean section scars and other safety issues *Meeting room 18*

Novel imaging modalities of fetal anatomy *Meeting room 19*

Circulatory dynamics in cardiovascular pathologies *Auditorium 12*

Sponsor

13:00 – 14:00

Toshiba Medical Systems satellite symposium *Hall A1*

OC

14:15 – 15:30

Neurological consequences of fetal growth restriction *Hall A1*

Novel quantitative imaging technologies in fetal medicine *Hall A3*

Menopause and screening *Auditorium 15*

Workshops

16:00 – 17:30

Cardiac function *Hall A1*

Screening for chromosomal abnormalities and fetal anomalies *Hall A3*

Gynecological oncology *Auditorium 15*

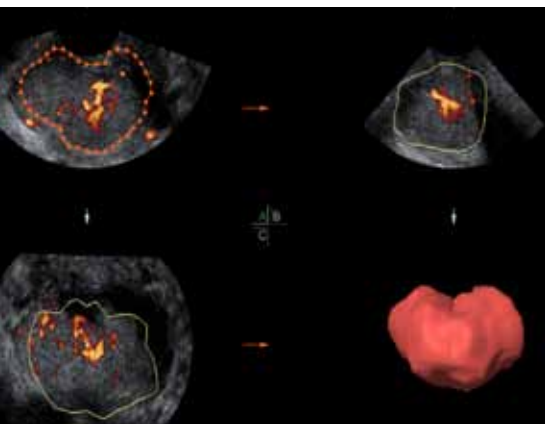
Update in fetal therapy *Meeting room 18*

Safety *Auditorium 12*

€102

19:30 – late

Congress party *Toldboden*



# ISUOG Education 2012



## Advanced course in gynecological ultrasound:

*Using ultrasound for the diagnosis  
and management of gynecological  
malignancy*

Course director:  
*Tom Bourne (UK)*

Dates:  
**30 November – 01 December 2012**

Location:  
London, UK

CME:  
Credits will be applied for

Contact:  
To register your interest, please contact us at

E: [congress@isuog.org](mailto:congress@isuog.org)

T: +44 (0)20 7471 9955





# Program – Tuesday 11 September 2012

07:45 – 08:25 'Meet the professor' sessions

Supported by: Toshiba Medical Systems<sup>#</sup>

Entry to these sessions is NOT included in the Congress registration fee.

Tickets cost €25 to include continental breakfast and can be booked at the registration desk if places are available.

You will receive a ticket as proof of your registration, which you will need for entry to the session.

|   |                        |
|---|------------------------|
| <b>First trimester brain and intracranial translucency: an update</b><br><i>R. Chaoui (Germany)</i> | <b>Hall A3</b>         |
| <b>Intrapartum sonography</b><br><i>G. Pilu (Italy)</i>   | <b>Meeting room 18</b> |
| <b>Ovarian pathology</b><br><i>T. Bourne (United Kingdom)</i>                                       | <b>Bella Vista 5</b>   |
| <b>3D in gynecology</b><br><i>B. Benacerraf (United States)</i>                                     | <b>Meeting room 19</b> |
| <b>Current issues in IUGR management</b><br><i>A. Baschat (United States)</i>                       | <b>Auditorium 12</b>   |

## 08:30 – 09:50 Advanced CNS evaluation in normal and abnormal conditions **Hall A1**

|       |   |         |
|-------|---|---------|
|       | <i>Chairs: G. Malinge (Israel); I. Timor-Tritsch (United States)</i>  |         |
| 08:30 | The value of prenatal US and MRI in the assessment of pregnancies with proven vertical transmission of CMV<br><i>S. Lipitz; Y. Yinon; G. Malinge; S. Yagel; B. Chayen; B. Weisz (Israel)</i>  | OC11.01 |
| 08:35 | Discussion  |         |
| 08:38 | Late development of the normal cerebellar vermis: is it really an obstacle to the early diagnosis of Dandy-Walker malformation?<br><i>E. Contro; F. De Musso; V. De Robertis; A. Tempesta; N. Rizzo; G. Pilu; P. Volpe (Italy)</i>                              | OC11.02 |
| 08:43 | Discussion  |         |
| 08:46 | <sup>yi</sup> Velum interpositi cyst: is it a benign finding?<br><i>E. Contro; P. Volpe; L. Cariello; G. Volpe; G. Salsi; T. Ghi; N. Rizzo; G. Pilu (Italy)</i>   | OC11.03 |
| 08:51 | Discussion  |         |
| 08:54 | Assessment of corpus callosum development by use of 3D ultrasound<br><i>S. Pashaj<sup>1</sup>; E. Merz<sup>2</sup>. <sup>1</sup>(Albania); <sup>2</sup>(Germany)</i>  | OC11.04 |
| 08:59 | Discussion  |         |
| 09:02 | Midbrain and falx in fetuses with absent corpus callosum at 11-13 weeks<br><i>R. Lachmann<sup>1</sup>; D. Sodre<sup>2</sup>; M. Bampas<sup>2</sup>; R. Akolekar<sup>2</sup>; K. Nicolaidis<sup>2</sup>. <sup>1</sup>(Germany); <sup>2</sup>(United Kingdom)</i> | OC11.05 |
| 09:07 | Discussion  |         |
| 09:10 | Prenatal diagnostic features of closed spinal dysraphism<br><i>D. Pugash<sup>1</sup>; B. Irwin<sup>1</sup>; P. Thiessen<sup>1</sup>; D. Cochrane<sup>1</sup>; P. Brugger<sup>2</sup>; D. Prayer<sup>2</sup>. <sup>1</sup>(Canada); <sup>2</sup>(Austria)</i>    | OC11.06 |
| 09:15 | Discussion  |         |
| 09:18 | Endovaginal sonography of normal transient patterns of fetal cerebral lamination<br><i>D. Pugash<sup>1</sup>; K. Dewar<sup>1</sup>; G. Henderson<sup>1</sup>; C. Dunham<sup>1</sup>; D. Prayer<sup>2</sup>. <sup>1</sup>(Canada); <sup>2</sup>(Austria)</i>     | OC11.07 |
| 09:23 | Discussion  |         |
| 09:26 | Live scan: Scanning the fetal brain: from basic to advanced [supported by: Samsung Medison*]<br><i>G. Pilu (Italy)</i>  |         |

## 08:30 – 09:50 Cardiovascular effects of fetal growth restriction **Hall A3**

|       |  |         |
|-------|--|---------|
|       | <i>Chairs: K. Maršál (Sweden); S. Eik-Nes (Norway)</i>   |         |
| 08:30 | In utero programming of adult cardiovascular system<br><i>K. Maršál (Sweden)</i>   |         |
| 08:49 | Maternal cardiovascular impairment in preterm fetal growth restricted pregnancies<br><i>K. Melchiorre<sup>1,2</sup>; G. Sutherland<sup>1</sup>; M. Liberati<sup>2</sup>; B. Thilaganathan<sup>1</sup>. <sup>1</sup>(United Kingdom); <sup>2</sup>(Italy)</i>                                   | OC12.01 |
| 08:54 | Discussion   |         |
| 08:57 | <sup>yi</sup> Presence of post-systolic shortening as a sign of cardiac adaptation to chronic pressure overload in intrauterine growth restriction<br><i>F. Crispi; B. Bijmens; E. Sepúlveda-Swatson; M. Cruz Lemini; J. Rojas-Benavente; R. Garcia-Posada; M. Sitges; E. Gratacós (Spain)</i> | OC12.02 |
| 09:02 | Discussion   |         |
| 09:05 | Cardiovascular function in adulthood following IUGR with ARED flow<br><i>N. Bjarnegård; E. Morsing; M. Cintio; T. Länne; J. Brodzki (Sweden)</i>   | OC12.03 |
| 09:10 | Discussion   |         |
| 09:13 | Cardiovascular characteristics at 6 months of life in infants suffering intrauterine growth restriction<br><i>M. Cruz Lemini; F. Crispi; F. Figueras; J. Dominguez; I. Stergiotou; M. Sitges; B. Bijmens; E. Gratacós (Spain)</i>  | OC12.04 |
| 09:18 | Discussion   |         |
| 09:21 | Development of a prenatal scale for cardiovascular risk in intrauterine growth restriction fetuses using sonographic and biochemical markers<br><i>M. Bertin; S. Visentin; V. Zanardo; E. Cosmi (Italy)</i>  | OC12.05 |
| 09:26 | Discussion   |         |

<sup>#</sup> MTP sessions are supported by an unrestricted educational grant from Toshiba Medical Systems. Educational content is delivered by the speaker. Technical support is provided by sponsors where needed.

\* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.

<sup>yi</sup> This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).

# Program – Tuesday 11 September 2012

|       |   |         |
|-------|---|---------|
| 09:29 | Aortic and carotid wall thickness in term small-for-gestational age newborns with normal and abnormal fetal cerebroplacental Doppler ratio<br><i>I. Stergiotou; F. Crispi; B. Valenzuela-Alcaraz; M. Cruz Lemini; B. Bijlens; E. Gratacós (Spain)</i> | OC12.06 |
| 09:34 | Discussion  |         |
| 09:37 | The impact of placental insufficiency on cardiovascular function in early infancy: a prospective longitudinal study<br><i>K. Makikallio; J. Shah; C. Slorach; J. Kingdom; A. Redington; E. Jaeggi (Canada)</i>  | OC12.07 |
| 09:42 | Discussion  |         |

## 08:30 – 09:50 Pelvic pain

Auditorium 15

|       |   |                            |
|-------|---|----------------------------|
|       | <i>Chairs: L. Savelli (Italy); D. Hartwell (Denmark)</i>  |                            |
| 08:30 | Live scan: How to examine for deep endometriosis [supported by: Samsung Medison*]<br><i>G. Condous (Australia)</i>  |                            |
| 08:50 | Ultrasound or barium enema for posterior compartment endometriosis<br><i>L. Savelli (Italy)</i>   |                            |
| 09:00 | Sonographic findings in adenomyosis after insertion of levonorgestrel intrauterine device<br><i>M. Onofriescu; D. Nemescu; M. Timoveanu (Romania)</i>   | OC13.01                    |
| 09:05 | Discussion  |                            |
| 09:08 | Office sonovaginography for deep endometriosis<br><i>S. Reid (Australia); C. Lu<sup>2</sup>; I. Casikar<sup>1</sup>; M. Mongelli<sup>1</sup>; G. Condous<sup>1</sup>. <sup>1</sup>(Australia); <sup>2</sup>(United Kingdom)</i>                           | OC13.02; OC13.03 & OC13.04 |
| 09:15 | Discussion  |                            |
| 09:18 | Ultrasound evaluation of localization of pelvic deep infiltrating endometriosis (DIE) and correlation to surgical classifications<br><i>A. Di Giovanni; C. Exacoustos; E. Zupi; L. Lazzeri; B. Szabolcs; M. Malzoni; F. Petraglia; D. Arduini (Italy)</i> | OC13.05                    |
| 09:23 | Discussion  |                            |
| 09:26 | Can anyone screen for deep infiltrating endometriosis (DIE) with transvaginal ultrasound (TVUS)?<br><i>S. Piessens; P. Maher; J. Tsaltas; M. Healey; L. Rombauts (Australia)</i>  | OC13.06                    |
| 09:31 | Discussion  |                            |
| 09:34 | Ultrasound evaluation of pelvic deep infiltrating endometriosis (DIE): accuracy in differentiating rectal from sigmoid lesions<br><i>L. Lazzeri; C. Exacoustos; E. Zupi; A. Di Giovanni; S. Pinzauti; M. Malzoni; D. Arduini; F. Petraglia (Italy)</i>    | OC13.07                    |
| 09:39 | Discussion  |                            |
| 09:42 | Summary<br><i>D. Hartwell (Denmark)</i>   |                            |

## 09:55 – 10:35 Short oral presentation (OP) sessions

|  |                        |
|--|------------------------|
| <b>OP16: CNS defects and injury</b>                              | <i>Hall A1</i>         |
| <i>Chair: A. Toi (Canada); H. Zingenberg (Denmark)</i>           |                        |
| <b>OP17: Techniques to characterise fetal growth restriction</b> | <i>Hall A3</i>         |
| <i>Chairs: W. Lee (United States); M. Kilby (United Kingdom)</i> |                        |
| <b>OP18: Ultrasound in labour</b>                                | <i>Auditorium 15</i>   |
| <i>Chairs: T. Lau (Hong Kong); K. Kalache (Germany)</i>          |                        |
| <b>OP19: Pelvic pain and endometriosis</b>                       | <i>Meeting room 18</i> |
| <i>Chair: G. Condous (Australia); C. Exacoustos (Italy)</i>      |                        |
| <b>OP20: Abnormal uterine bleeding</b>                           | <i>Meeting room 19</i> |
| <i>Chairs: L. Valentin (Sweden); K. Wøjdemann (Denmark)</i>      |                        |
| <b>OP21: Doppler techniques and placental findings</b>           | <i>Auditorium 12</i>   |
| <i>Chairs: C. Brezinka (Austria); C. Jørgensen (Denmark)</i>     |                        |

## 10:30 – 11:00 Coffee and e-poster viewing

Exhibition hall

## 11:00 – 12:00 Ultrasound in late pregnancy and labour

Hall A1

|       |   |         |
|-------|---|---------|
|       | <i>Chairs: K. Kalache (Germany); J. Copel (United States)</i>   |         |
| 11:00 | Intrapartum ultrasound<br><i>K. Kalache (Germany)</i>   |         |
| 11:20 | Changes in Cesarean section scar dimensions during pregnancy: a prospective longitudinal study<br><i>O. Najji<sup>1</sup>; A. Daemen<sup>2</sup>; A. Smith<sup>1</sup>; Y. Abdallah<sup>1</sup>; S. Saso<sup>1</sup>; A. Sayasneh<sup>1</sup>; C. Stalder<sup>1</sup>; S. Ghaem-Maghami<sup>1</sup>; D. Timmerman<sup>2</sup>; T. Bourne<sup>1</sup>. <sup>1</sup>(United Kingdom); <sup>2</sup>(Belgium)</i> | OC14.01 |
| 11:25 | Discussion  |         |
| 11:28 | Antenatal calculation of risk for large-for-gestational age term newborn using the Bayesian theorem. A population-based study<br><i>G. Lindell; K. Maršál; K. Källén (Sweden)</i>   | OC14.02 |
| 11:33 | Discussion  |         |
| 11:36 | Prediction of intra-partum fetal distress using the fetal cerebro-umbilical ratio<br><i>T. Prior; E. Mullins; P. Bennett; S. Kumar (United Kingdom)</i>   | OC14.03 |
| 11:41 | Discussion  |         |
| 11:44 | Bishop score vs ultrasound of the cervix before induction of labor for prolonged pregnancy: which one is better for prediction of Cesarean delivery<br><i>I. Uzun; A. Sik; H. Yazicioglu; M. Aygun; M. Ekin; H. Akyol; A. Karahasan (Turkey)</i>  | OC14.04 |
| 11:49 | Discussion  |         |
| 11:52 | Intrapartum transperineal ultrasound assessment of the fetal head-symphysis pubis distance in the active second stage and the mode of delivery<br><i>A. Youssef; E. Maroni; A. Ragusa; G. Salsi; L. Cariello; E. Montaguti; N. Rizzo; G. Pilu; T. Ghi (Italy)</i>   | OC14.05 |
| 11:57 | Discussion  |         |

\* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.

# Program – Tuesday 11 September 2012

| 11:00 – 12:00 First trimester screening for malformations   |  | Hall A3         |
|---|--|-----------------|
| 11:00   | Chairs: A. Tabor (Denmark); J. Hyett (Australia)<br>First trimester screening: where will we be in 10 years?<br><i>J. Hyett (Australia)</i>  |                 |
| 11:12   | What is the optimal number of nuchal translucency measurements at 11-14 weeks of gestation<br><i>L. Salomon; R. Porcher; H. Lamrani; Y. Ville (France)</i>   | OC15.01         |
| 11:17   | Discussion   |                 |
| 11:20   | Retronasal triangle view for nasal bone assessment in the first-trimester screening for aneuploidy: a prospective study of 1977 fetuses<br><i>M. Adiego<sup>1</sup>; P. Martínez-Ten<sup>1</sup>; T. Illescas<sup>1</sup>; C. Bermejo<sup>1</sup>; W. Sepulveda<sup>2</sup>. <sup>1</sup>(Spain); <sup>2</sup>(Chile)</i>  | OC15.02         |
| 11:25   | Discussion   |                 |
| 11:28   | Effects of gestational age at biochemical sampling on first-trimester screening performance for trisomy 18 and 13<br><i>I. Kirkegaard<sup>1</sup>; C. Ekelund<sup>1</sup>; S. Ball<sup>2</sup>; P. Newell<sup>2</sup>; D. Wright<sup>2</sup>; P. Noergaard<sup>1</sup>; S. Soerensen<sup>1</sup>; L. Friis-Hansen<sup>1</sup>; N. Toerring<sup>1</sup>; N. Uldbjer<sup>1</sup>; A. Tabor<sup>1</sup>; O. Petersen<sup>1</sup>; F. Jørgensen<sup>1</sup>. <sup>1</sup>(Denmark); <sup>2</sup>(United Kingdom)</i>   | OC15.03         |
| 11:33   | Discussion   |                 |
| 11:36   | Operator-specific PAPP-A and free beta-hCG MoM values as a method of individual audit of CRL measurements at the NT scan. National data from 171,469 pregnancies<br><i>P. Newell<sup>2</sup>; S. Ball<sup>2</sup>; D. Wright<sup>2</sup>; I. Kirkegaard<sup>1</sup>; N. Uldbjer<sup>1</sup>; N. Tørring<sup>1</sup>; C. Ekelund<sup>1</sup>; L. Friis-Hansen<sup>1</sup>; P. Nørgaard<sup>1</sup>; S. Sørensen<sup>1</sup>; F. Jørgensen<sup>1</sup>; A. Tabor<sup>1</sup>; O. Petersen<sup>1</sup>. <sup>1</sup>(Denmark); <sup>2</sup>(United Kingdom)</i> | OC15.04         |
| 11:41   | Discussion   |                 |
| 11:44   | Prospective study of intracranial translucency and posterior fossa in normal fetuses at 11-13 weeks gestation<br><i>K. Fong; J. Dengler; A. Toi; R. Menezes; Y. Karimzad; N. Okun (Canada)</i>   | OC15.05         |
| 11:49   | Discussion   |                 |
| 11:52   | Screening for triploidy at 11th-14th weeks of gestation<br><i>L. Engelbrechtsen; K. Broendum-Nielsen; C. Ekelund; A. Tabor; L. Skibsted (Denmark)</i>  | OC15.06         |
| 11:57   | Discussion   |                 |
| 11:00 – 12:00 Abnormal bleeding                             |  | Auditorium 15   |
| 11:00   | Chairs: S. Goldstein (United States); C. Exacoustos (Italy)<br>The prevalence and oncogenic potential of endometrial polyps and recommendations for management<br><i>E. Dreisler (Denmark)</i>   |                 |
| 11:15   | Implementing new terms and definitions to describe endometrial pathology. The IETA multicenter experience<br><i>T. Van den Bosch (Belgium)</i>   |                 |
| 11:25   | <sup>yi</sup> Ultrasound characteristics of endometrial hyperplasia described using IETA terms<br><i>V. Chiappa; C. Penati; F. Dell'Orto; R. Fruscio; A. Lissoni (Italy)</i>   | OC16.01         |
| 11:30   | Discussion   |                 |
| 11:33   | Use of contrast-enhanced ultrasound with SonoVue in differentiation between uterine leiomyoma and uterine adenomyosis<br><i>C. Lulla; S. Garg (India)</i>  | OC16.02         |
| 11:38   | Discussion   |                 |
| 11:41   | Pre-operative US volume evaluation of sub-mucous fibroid: a possible new way to evaluate the level of difficulty of the hysteroscopic procedure<br><i>L. Bonino; M. Tessarolo; M. Camanni; F. Deltetto (Italy)</i>   | OC16.03         |
| 11:46   | Discussion   |                 |
| 11:49   | Experimental and clinical study on real-time static ultrasound elastosonography measuring the ablated area in uterine fibroid from microwave ablation<br><i>J. Zhang; Z. Han; H. Zhou; F. Wang (China)</i>   | OC16.04         |
| 11:54   | Discussion   |                 |
| 11:57   | Summary<br><i>S. Goldstein (United States)</i>   |                 |
| 12:05 – 12:45 Short oral presentation (OP) sessions         |  |                 |
|   | <b>OP22: Doppler in fetal growth restriction</b>   | Hall A1         |
|   | Chairs: C. Lees (United Kingdom); L. Skibsted (Denmark)  |                 |
|   | <b>OP23: Optimising first trimester risk assessment</b>  | Hall A3         |
|   | Chairs: T. Lau (Hong Kong); P. Conner (Sweden)   |                 |
|   | <b>OP24: Menopause and screening</b>   | Auditorium 15   |
|   | Chairs: S. Campbell (United Kingdom); L. Platt (United States)   |                 |
|   | <b>OP25: Cesarean section scars and other safety issues</b>  | Meeting room 18 |
|   | Chairs: J. Wladimiroff (United Kingdom); K. Salvesen (Norway)  |                 |
|   | <b>OP26: Novel imaging modalities of fetal anatomy</b>   | Meeting room 19 |
|   | Chairs: E. Hernandez-Andrade (United States); P. Doubilet (United States)  |                 |
|   | <b>OP27: Circulatory dynamics in cardiovascular pathologies</b>  | Auditorium 12   |
|   | Chair: F. Prefumo (Italy), O. Petersen (Denmark)   |                 |
| 12:45 – 14:15 Lunch and e-poster viewing                    |  | Exhibition hall |
| 13:00 – 14:00 Toshiba Medical Systems satellite symposium** |  | Hall A1         |

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<sup>yi</sup> This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).

# Program – Tuesday 11 September 2012

| 14:15 – 15:35 Neurological consequences of fetal growth restriction     |   | Hall A1                    |
|---|---|----------------------------|
|   | <i>Chairs: K. Maršál (Sweden); A. Baschat (United States)</i>   |                            |
| 14:15   | Introduction  |                            |
| 14:20   | Live scan: cortical development [supported by: Samsung Medison*]<br><i>L. Salomon (France)</i>  |                            |
| 14:40   | <sup>yi</sup> MRI of the brain and IUGR<br><i>G. Egaña; M. Sanz-Cortes; F. Figueras; N. Bargalló; E. Gratacós; N. Bargalló (Spain)</i>  | OC17.01, OC17.02 & OC17.03 |
| 14:50   | Discussion  |                            |
| 14:55   | Functional outcome of moderately preterm and full term born small for gestational age children at school age<br><i>J. Tanis; K. Van Braeckel; J. Kerstjens; I. Bocca-Tjeertes; S. Reijneveld; A. Bos (Netherlands)</i>  | OC17.04                    |
| 15:00   | Discussion  |                            |
| 15:03   | Predictive value of fetal brain texture analysis by automatic quantitative MRI analysis in small-for-gestational-age fetuses for an abnormal neonatal neurobehavior<br><i>M. Sanz-Cortes; G. Ratta; F. Figueras; G. Egaña-Ugrinovic; N. Bargalló; E. Gratacós (Spain)</i>   | OC17.05                    |
| 15:08   | Discussion  |                            |
| 15:11   | Increased fetal brain perfusion and neonatal neurobehavioral performance in the general population<br><i>R. Mula; A. Arranz; S. Savchev; F. Botet; C. Costas; E. Gratacós; F. Figueras (Spain)</i>  | OC17.06                    |
| 15:16   | Discussion  |                            |
| 15:19   | Placental specific microRNAs expression profile in placental insufficiency: correlation with severity of the disease and Doppler-determined umbilical artery PI<br><i>I. Hromadnikova; K. Kotlabova; V. Novotna; A. Kestlerova; L. Krofta (Czech Republic)</i>  | OC17.07                    |
| 15:24   | Discussion  |                            |
| 15:27   | Levels of cell free fetal DNA can be used to differentiate between mild and severe pre-eclampsia, but is not predictive of SGA<br><i>T. Jakobsen; F. Clausen; M. Dziegiel; A. Tabor (Denmark)</i>   | OC17.08                    |
| 15:32   | Discussion  |                            |
| 14:15 – 15:30 Novel quantitative imaging technologies in fetal medicine |   | Hall A3                    |
|   | <i>Chairs: H. Feltovich (United States); E. Gratacós (Spain)</i>  |                            |
| 14:15   | Quantitative imaging: the basics<br><i>H. Feltovich (United States)</i>   |                            |
| 14:30   | Non-invasive fetal lung maturity prediction through automatic quantitative ultrasound analysis texture extractor<br><i>G. Ratta; M. Palacio; T. Cobo; M. Martinez Terron; N. Elias; E. Bonet; I. Amat; E. Gratacós (Spain)</i>  | OC18.01                    |
| 14:35   | Discussion  |                            |
| 14:38   | The cardiac state diagram as a novel approach for evaluation of re- and post ejection phases of the cardiac cycle in asphyxiated fetal lambs<br><i>E. Wågström; J. Johnson; K. Ferm-Widlund; N. Elmstedt; K. Liuba; B. Lind; L. Brodin; M. Westgren (Sweden)</i>  | OC18.02                    |
| 14:43   | Discussion  |                            |
| 14:46   | An image processing technique for 3-D fractional moving blood volume (FMBV) estimation using power Doppler ultrasound (PD-US)<br><i>G. Stevenson<sup>1</sup>; S. Collins<sup>1</sup>; A. Welsh<sup>2</sup>; L. Impey<sup>1</sup>; J. Noble<sup>1</sup>. <sup>1</sup>(United Kingdom); <sup>2</sup>(Australia)</i> | OC18.03                    |
| 14:51   | Discussion  |                            |
| 14:54   | Embryonic staging, biometry and volumetry using virtual reality<br><i>M. Rousian; A. Koning; P. van der Spek; N. Exalto; E. Steegers (Netherlands)</i>  | OC18.04                    |
| 14:59   | Discussion  |                            |
| 15:02   | Brain connectivity in one-year old intrauterine growth restricted infants is abnormal and correlates with neurodevelopment at two years of age<br><i>E. Eixarch; D. Bataille; E. Muñoz-Moreno; F. Figueras; E. Gratacós (Spain)</i>   | OC18.05                    |
| 15:07   | Discussion  |                            |
| 15:10   | High field dynamic contrast enhanced magnetic resonance imaging assessment of placental perfusion unveiled an increased blood flow upon prenatal stress challenge in mice<br><i>C. Much; E. Solano; N. Forkert; J. Sedlacik; P. Arck; G. Adam; U. Wedegaertner (Germany)</i>                                      | OC18.06                    |
| 15:15   | Discussion  |                            |
| 15:18   | Diffusion-weighted MR Imaging of the human placenta<br><i>F. Chantraine<sup>1</sup>; M. Tebache<sup>1</sup>; V. Passoglou<sup>1</sup>; B. Tutschek<sup>2,3</sup>; K. Delbecque<sup>1</sup>; M. Nisolle<sup>1</sup>. <sup>1</sup>(Belgium); <sup>2</sup>(Switzerland); <sup>3</sup>(Germany)</i>                   | OC18.07                    |
| 15:23   | Discussion  |                            |
| 14:15 – 15:30 Menopause and screening                                   |   | Auditorium 15              |
|   | <i>Chairs: L. Platt (United States); C. Benson (United States)</i>  |                            |
| 14:15   | The evidence base for ovarian and endometrial cancer screening: the PCLO trial and the latest information from the UKCTOC's trial<br><i>S. Campbell (United Kingdom)</i>  |                            |
| 14:45   | Conservative ultrasonographic follow up of asymptomatic endometrial lesions in postmenopausal women is a safe alternative to surgical procedures<br><i>Y. Goldberg; N. Andria; O. Lavie; R. Mandel; A. Peleg; R. Auslender (Israel)</i>   | OC19.01                    |
| 14:50   | Discussion  |                            |
| 14:53   | Clinical history of asymptomatic endometrial polyps in postmenopausal women: a 10-years follow-up study<br><i>F. Leone; C. Marcianite; C. Lanzani; T. Bignardi; E. Ferrazzi (Italy)</i>   | OC19.02                    |
| 14:58   | Discussion  |                            |

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# Program – Tuesday 11 September 2012

|       |   |         |
|-------|---|---------|
| 15:01 | Intracavitary accidental findings among asymptomatic postmenopausal women with endometrium $\geq 5$ mm<br><i>L. Jokubkiene; P. Sladkevicius; L. Valentin (Sweden)</i>       | OC19.03 |
| 15:06 | Discussion  |         |
| 15:09 | Prevalence of benign ovarian lesions in asymptomatic postmenopausal women<br><i>M. Pascual; L. Hereter; B. Graupera; C. Pedrero; M. Fernández-Cid; I. Rodríguez (Spain)</i> | OC19.04 |
| 15:14 | Discussion  |         |
| 15:17 | Elastography of endometrium in perimenopausal women with uterine bleeding<br><i>M. Swiatkowska-Freund; K. Zielinska; K. Preis (Poland)</i>                                  | OC19.05 |
| 15:22 | Discussion  |         |
| 15:25 | Summary<br><i>C. Benson (United States)</i>   |         |

**15:30 – 16:00 Coffee and e-poster viewing** **Exhibition hall**

**16:00 – 17:30 Workshop: Cardiac function** **Hall A1**

|       |   |
|-------|---|
|       | <i>Chair: H. Gardiner (United Kingdom)</i>  |
| 16:00 | Live scan: tissue Doppler [supported by: Siemens AG Healthcare Sector*]<br><i>F. Crispi (Spain)</i> |
| 16:20 | Cardiac function and monitoring in various conditions<br><i>S. Yagel (Israel)</i>                   |
| 16:40 | Tissue doppler for assessing myocardial motion<br><i>F. Crispi (Spain)</i>                          |
| 17:00 | Speckle tracking in fetal heart assessment<br><i>H. Gardiner (United Kingdom)</i>                   |
| 17:20 | Discussion  |

**16:00 – 17:30 Workshop: Screening for chromosomal abnormalities and fetal anomalies** **Hall A3**

|       |   |
|-------|---|
|       | <i>Chair: K. Nicolaidis (United Kingdom)</i>                              |
| 16:00 | Overview and recent developments<br><i>K. Nicolaidis (United Kingdom)</i> |
| 16:30 | The Danish experience<br><i>A. Tabor (Denmark)</i>                        |
| 16:50 | Increased NT with normal karyotype<br><i>C. Bilardo (Netherlands)</i>     |
| 17:10 | The early anomaly scan<br><i>R. Chaoui (Germany)</i>                      |

**16:00 – 17:30 Workshop: Gynecological oncology** **Auditorium 15**

|       |   |
|-------|---|
|       | <i>Chairs: D. Fischerova (Czech Republic); A. Testa (Italy)</i>   |
| 16:00 | Live scan: looking for metastases in gynecological malignancies [supported by: Philips*]<br><i>D. Fischerova (Czech Republic)</i>     |
| 16:15 | Advantages and disadvantages of MRI as a diagnostic tool to evaluate cervical cancer<br><i>K. Boden (Sweden)</i>                      |
| 16:30 | Imaging for ovarian cancer staging: is there an optimal technique or are they complimentary to each other?<br><i>A. Testa (Italy)</i> |
| 16:45 | Evaluating myometrial invasion: do pathology and ultrasound look at the same thing?<br><i>E. Epstein (Sweden)</i>                     |
| 17:00 | Discussion  |

**16:00 – 17:30 Workshop: Update in fetal therapy** **Meeting room 18**

|       |   |
|-------|---|
|       | <i>Chair: E. Gratacós (Spain)</i>   |
| 16:00 | Congenital diaphragmatic hernia<br><i>J. Deprest (Belgium)</i>                              |
| 16:20 | Cardiac intervention<br><i>C. Benson (United States)</i>                                    |
| 16:40 | In utero Myelomeningocele repair: where are we now?<br><i>M. Bebbington (United States)</i> |
| 17:00 | Debate: Prospectus of open fetal surgery after the MOMS study                               |

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# Program – Tuesday 11 September 2012

16:00 – 17:30 **Workshop: Safety**

**Auditorium 12**

|       |  |
|-------|--|
|       | <i>Chairs: K. Salvesen (Norway); K. Maršál (Sweden)</i>  |
| 16:00 | Live scan demonstration with a focus on safe scanning [supported by: ZONARE Medical Systems*]<br><i>C. Lees (United Kingdom)</i> |
| 16:20 | What do we know from animal studies?<br><i>C. Brezinka (Austria)</i>   |
| 16:30 | Update on epidemiological studies<br><i>K. Salvesen (Norway)</i>   |
| 16:40 | What are the recommendations from international societies?<br><i>K. Maršál (Sweden)</i>  |
| 16:50 | Deliberate destruction of tissue with ultrasound<br><i>G. Ter Haar (United Kingdom)</i>  |
| 17:05 | The ISUOG phantom project<br><i>C. Lees (United Kingdom)</i>   |
| 17:15 | Discussion   |



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## OP16: CNS defects and injury

Hall A1

Chairs: A. Toi (Canada); H. Zingenberg (Denmark)

|   |         |
|---|---------|
| Non visualization of fluid inside the cavum septi pellucidi is not synonymous with agenesis of the corpus callosum<br><i>G. Malinger (Israel)</i>   | OP16.01 |
| The significance of prenatal detected periventricular pseudocysts: not always a benign finding<br><i>G. Malinger (Israel)</i>                       | OP16.02 |
| Fetal brain ultrasound assessment by Texture Analysis in CMV infected fetuses with and without neurological damage<br><i>M. Sanz-Cortes (Spain)</i> | OP16.03 |
| A retrospective study of 46 cases series of fetal brain tumors diagnosed prenatally by ultrasound<br><i>G. Haddad (France)</i>                      | OP16.04 |
| Abnormal cerebral lamination in holoprosencephaly spectrum<br><i>D. Pugash (Canada)</i>   | OP16.05 |
| Assessing acute fetal brain injury with US and MRI: antenatal imaging and associated risk factors<br><i>D. Pugash (Canada)</i>                      | OP16.06 |
| MRI and US prenatal diagnostic and outcome of isolated mild cerebral ventriculomegaly<br><i>K. Yusupov (Russian Federation)</i>                     | OP16.07 |
| Periventricular nodular heterotopia (PNH): an antenatal ultrasound and MRI analysis of associated abnormalities<br><i>B. Deloison (France)</i>      | OP16.08 |
| Termination of pregnancy for central nervous system (CNS) anomalies<br><i>W. Dendas (Belgium)</i>   | OP16.09 |

## OP17: Techniques to characterise fetal growth restriction

Hall A3

Chairs: W. Lee (United States); M. Kilby (United Kingdom)

|  |         |
|--|---------|
| First trimester screening for early and late small for gestational age<br><i>F. Crovetto (Spain)</i>   | OP17.01 |
| 2D Estimated Placental Volume (EPV) measurements in first trimester are reliable and correlate with measurements obtained by the 3D VOCAL™ technique<br><i>M. Rosner (United States)</i> | OP17.02 |
| Second trimester estimated placental volume (EPV) screening is predictive of SGA and LGA newborns and adverse pregnancy outcomes<br><i>K. Laine (Norway)</i>                             | OP17.03 |
| Fetal arm fat: development throughout pregnancy in selectively screened optimally healthy patients<br><i>C. Knight (United Kingdom)</i>  | OP17.04 |
| Fetal arm fat: an in utero marker of body composition?<br><i>C. Knight (United Kingdom)</i>  | OP17.05 |
| Correlation of antenatal thigh and upper arm volume measurements by three-dimensional ultrasound with neonatal morphometric indices<br><i>M. Sezik (Turkey)</i>                          | OP17.06 |
| The lumbar spine length and the femur-trunk discrepancy<br><i>A. Aabadli Kandri Rody (France)</i>  | OP17.07 |
| Assessment of fetal brain volume by tridimensional ultrasound in fetal growth restriction<br><i>P. Nowak (Brazil)</i>  | OP17.08 |
| Changes of fetal urine production rate in hypertension disorders and intrauterine growth restriction by using three-dimensional ultrasonography<br><i>G. Lv (China)</i>                  | OP17.09 |
| Association between growth restriction and congenital anomalies: myth or reality? A population-based study in France<br><i>L. Salomon (France)</i>                                       | OP17.10 |
| Multilevel longitudinal biometry modelling in different ethnic groups<br><i>G. Parry (New Zealand)</i>   | OP17.11 |

## OP18: Ultrasound in labour

Auditorium 15

Chairs: T. Lau (Hong Kong); K. Kalache (Germany)

|   |         |
|---|---------|
| Sonographic wedging of uterine cervix as predictor for successful vaginal delivery<br><i>E. Kim (Republic of Korea)</i>   | OP18.01 |
| Correlation between transperineal ultrasound during labor and the role of progression angle<br><i>V. Marsoosi (Islamic Republic of Iran)</i>                                    | OP18.02 |
| The longitudinal changes of the angle of progression and the midline angle in the active second stage according to the mode of delivery<br><i>A. Youssef (Italy)</i>            | OP18.03 |
| 3D ultrasound evaluation of progression angle, progression distance and midline angle changes in nulliparous women according to second stage length<br><i>E. Maroni (Italy)</i> | OP18.04 |
| Fetal head-symphysis distance: a simple and reliable ultrasound parameter for the intrapartum assessment of the fetal head descent<br><i>A. Youssef (Italy)</i>                 | OP18.05 |
| Ultrasound and clinical examination in predicting the type of delivery after induction of labor<br><i>A. Cubal (Portugal)</i>   | OP18.06 |
| Head progression in fetuses with persistent occiput posterior position at delivery: longitudinal assessment by 3D ultrasound in the second stage<br><i>E. Maroni (Italy)</i>    | OP18.07 |
| Dynamic myometrial changes in the upper and lower uterine segments during the third stage of labor<br><i>M. Patwardhan (United States)</i>                                      | OP18.08 |



# Short oral presentations – Tuesday 11 September 2012

## OP19: Pelvic pain and endometriosis

Meeting room 18

Chairs: G. Condous (Australia); C. Exacoustos (Italy)

|   |         |
|---|---------|
| Introital three-dimensional ultrasonography in the diagnosis of endometriosis of the rectovaginal septum: interobserver variability<br><i>M. Pascual (Spain)</i>  | OP19.01 |
| Clinical history of recto-vaginal septa deep infiltrating endometriosis during repeated ovulation induction: a case report<br><i>F. Leone (Italy)</i>   | OP19.02 |
| Elastosonography for the evaluation of endometriosis involving uterosacral ligaments<br><i>L. Bonino (Italy)</i>  | OP19.03 |
| Intra-observer agreement in the prediction of pouch of Douglas obliteration using 2D off-line analysis of the TVS 'sliding sign'<br><i>S. Reid (Australia)</i>  | OP19.04 |
| Ultrasound for discrimination between acute salpingitis and other conditions in patients with clinical signs and symptoms suggesting acute salpingitis: a prospective observational cross sectional study<br><i>G. Romosan (Sweden)</i> | OP19.05 |
| The prediction of pouch of Douglas obliteration using off-line analysis of the TVS 'sliding sign': diagnostic accuracy and inter-observer agreement<br><i>S. Reid (Australia)</i>   | OP19.06 |
| Patterns of ultrasonographic changes of endometriotic cysts treated with progestins: usefulness as a criteria for surgical treatment timing<br><i>I. Dumitrascu (Romania)</i>   | OP19.07 |
| Retroverted uterine position and pelvic pain<br><i>R. Sanders (United States)</i>   | OP19.08 |
| Clinical history of recto-sigmoid endometriosis: a 6-years follow-up study<br><i>F. Leone (Italy)</i>   | OP19.09 |

## OP20: Abnormal uterine bleeding

Meeting room 19

Chairs: L. Valentin (Sweden); K. Wøjdemann (Denmark)

|  |         |
|--|---------|
| 3D-transvaginal sonography by VCI analysis to differentiate endometrial polyp and hyperplasia in pre-menopausal women<br><i>F. Leone (Italy)</i>   | OP20.01 |
| Should the peak systolic velocity influence the management of residual trophoblastic tissue?<br><i>T. Van den Bosch (Belgium)</i>  | OP20.02 |
| Study of Intrauterine pathology in women referred to one stop PMB clinic<br><i>A. Dutta (United Kingdom)</i>   | OP20.03 |
| One step transvaginal ultrasound and office hysteroscopic assessment of submucosal myomas<br><i>C. Lanzani (Italy)</i>   | OP20.04 |
| Safety of MR-guided focused ultrasound for ablating pedunculated subserosal uterine leiomyomas<br><i>K. Gorny (United States)</i>  | OP20.05 |
| The role of endometrial thickness on characteristics and adequacy of endometrial sampling procedure<br><i>S. Buyukkurt (Turkey)</i>  | OP20.06 |
| The diagnosis of focal uterine intracavitary lesions and endometrial cancer in women with abnormal uterine bleeding<br><i>T. Van den Bosch (Belgium)</i>   | OP20.07 |
| Congenital uterine arteriovenous malformation: a case report and literature review<br><i>R. Ram (United Kingdom)</i>   | OP20.08 |
| Abstract withdrawn   | OP20.09 |
| Ultrasound appears to provide a safe, effective, noninvasive, and less expensive imaging modality compared to MRI and CT for monitoring and preoperative evaluation of a patient with Klippel Trenaunay Syndrome<br><i>A. Emmi (United States)</i> | OP20.10 |
| Color Doppler transvaginal ultrasonography for detecting endometrial polyps<br><i>B. Graupera (Spain)</i>  | OP20.11 |

## OP21: Doppler techniques and placental findings

Auditorium 12

Chairs: C. Brezinka (Austria); C. Jørgensen (Denmark)

|   |         |
|---|---------|
| Early pregnancy placental bed and foetal vascular volume measurements using three dimensional virtual reality<br><i>A. Reus (Netherlands)</i>   | OP21.01 |
| Does placental site affect first trimester uterine artery PI values and uterine artery diastolic notch laterality?<br><i>R. Ergin Bayik (Turkey)</i>  | OP21.02 |
| Inter-acquisition reliability of 11–13 weeks sub-placental myometrium vasculature obtained by 3D ultrasound<br><i>S. Demers (Canada)</i>  | OP21.03 |
| Association between first trimester vaginal bleeding and uterine artery Doppler measured at second and third trimesters of pregnancy<br><i>R. Hershkovitz (Israel)</i>  | OP21.04 |
| Abstract withdrawn  | OP21.05 |
| Umbilical vein (UV) blood flow calculation by pixel-specific digital color hue mapping (PixelFlux) and spatially corrected Doppler insonation angles<br><i>J. Acuna (United States)</i>   | OP21.06 |
| Significant differences of fetal blood supply in fetuses of different weight classes demonstrated by the novel method of three-dimensional pixelwise fetal volume flow measurements (PixelFlux-method)<br><i>T. Scholbach (Germany)</i> | OP21.07 |
| Influence of the Doppler sample gate location in the uterine artery Doppler waveform analysis<br><i>E. Hernandez-Andrade (United States)</i>  | OP21.08 |
| Doppler examination of uterine artery blood flow among pregnant women and histological changes of placenta in stress<br><i>A. Khudaverdyan (Armenia)</i>  | OP21.09 |
| Effect of antihypertensive therapy on uterine artery and fetal Dopplers: systematic review and meta-analysis<br><i>A. Khalil (United Kingdom)</i>   | OP21.10 |



## OP22: Doppler in fetal growth restriction

Hall A1

Chairs: C. Lees (United Kingdom); L. Skibsted (Denmark)

|  |                   |
|--|-------------------|
| Utero-placental interface vascularity in early pregnancy estimated by 3D fractional moving blood volume (3D FMBV) predicts fetal growth restriction<br><i>G. Stevenson (United Kingdom)</i>  | OP22.01           |
| Distribution of cardiac output and vessel diameters in growth restricted fetuses: is the fetal brain really protected?<br><i>E. Mullins (United Kingdom)</i>                                 | OP22.02           |
| Fetal middle cerebral artery Doppler velocimetry and neonatal death in pregnancies complicated by placental dysfunction<br><i>R. Nomura (Brazil)</i>   | OP22.03           |
| Role of umbilical vein flow in the prediction of adverse outcome in late-onset small-for-gestational age fetuses<br><i>M. Parra-Saavedra (Spain)</i>   | OP22.04           |
| Estimated weight centile as predictor of cardiac dysfunction in small-for-gestational-age pregnancies with normal fetoplacental Doppler<br><i>M. Cruz Lemini (Spain)</i>                     | OP22.05           |
| Cardiac evaluation in intra uterine growth restriction by TAPSE and MAPSE<br><i>M. Pérez Cruz (Spain)</i>  | OP22.06 & OP22.07 |
| Intrapulmonary circulation in growth restricted fetuses with and without pre-eclampsia<br><i>H. Ahn (United States)</i>  | OP22.08           |
| Assessment of placental vascularization using three-dimensional power Doppler ultrasound in normal fetuses and fetuses affected by fetal growth restriction (FGR)<br><i>A. Rossi (Italy)</i> | OP22.09           |
| Uterine arteriovenous malformation, ultrasonographic diagnosis and treatment: a case series<br><i>H. Aslan (Turkey)</i>  | OP22.10           |

## OP23: Optimising first trimester risk assessment

Hall A3

Chairs: T. Lau (Hong Kong); P. Conner (Sweden)

|   |         |
|---|---------|
| A prospective study evaluating the performance of first trimester combined screening for trisomy 21 using repeated sampling of the maternal serum markers PAPP-A and free $\beta$ -hCG<br><i>C. Ekelund (Denmark)</i>   | OP23.01 |
| Contingent testing, an alternative for regions lacking first trimester screening for Down's syndrome<br><i>P. Conner (Sweden)</i>   | OP23.02 |
| First trimester combined screening with PLGF, free $\beta$ -HCG and PAPP-A<br><i>K. Kagan (Germany)</i>   | OP23.03 |
| First trimester evaluation of the ductus venosus: influence of body mass index and gestational age<br><i>P. Nowak (Brazil)</i>  | OP23.04 |
| Increased time-to-pregnancy in spontaneously conceived pregnancies is associated with decreased levels of PAPP-A and free $\beta$ -hCG in first-trimester screening for Down syndrome<br><i>I. Kirkegaard (Denmark)</i> | OP23.05 |
| Effects of method of conception and gestational age on first trimester biochemical markers<br><i>P. Nørgaard (Denmark)</i>  | OP23.06 |
| First trimester screening after intra uterine insemination in Denmark 2008–2010<br><i>A. Gjerris (Denmark)</i>  | OP23.07 |
| The risk of aneuploidy in fetuses with low first trimester risk assessment and single umbilical artery (SUA) diagnosed at the second trimester anomaly scan<br><i>J. Tharin (Denmark)</i>                               | OP23.08 |
| Prenatal characteristics of false negative cases from the first trimester screening of trisomy 21 in Denmark<br><i>T. Simonsen (Denmark)</i>  | OP23.09 |
| The prenatal and perinatal outcomes in increased NT with normal karyotype: unselected Korean populations<br><i>J. Ma (Republic of Korea)</i>  | OP23.10 |

## OP24: Menopause and screening

Auditorium 15

Chairs: S. Campbell (United Kingdom); L. Platt (United States)

|  |         |
|--|---------|
| Cystic ovarian structures in the peri- and postmenopause: simple ultrasound prognostic factors<br><i>B. Erdodi (Hungary)</i>   | OP24.01 |
| A prospective evaluation of two protocols for the management of postmenopausal women with adnexal tumors: analysis of potential intervention rates<br><i>N. Nunes (United Kingdom)</i> | OP24.02 |
| 2-dimensions sonographic evaluation of benign and malignant endometrial lesions: simple and handy tool for the clinician<br><i>Y. Goldberg (Israel)</i>                                | OP24.03 |
| Elastography in postmenopausal women with increased endometrium thickness<br><i>K. Zielinska (Poland)</i>  | OP24.04 |
| Sonographic follow-up of solid ovarian lesion <5cm in post-menopausal women: preliminary results<br><i>F. Leone (Italy)</i>  | OP24.05 |
| Ultrasound-guided tru-cut biopsy versus transvaginal color Doppler ultrasound in the diagnosis of pelvic recurrence of gynecological tumors<br><i>D. Franchi (Italy)</i>               | OP24.06 |
| Imaging of gynecological disease: clinical and ultrasound characteristics of decidualized endometriomas<br><i>A. Testa (Italy)</i>   | OP24.07 |
| Three-dimensional power Doppler angiography as a diagnostic tool in endometrial cancer<br><i>S. Leisby Antonsen (Denmark)</i>  | OP24.08 |
| Role of transvaginal color Doppler ultrasound in early diagnosis of ovarian cancer: our experience since 1999<br><i>M. Pascual (Spain)</i>   | OP24.09 |

# Short oral presentations – Tuesday 11 September 2012

## OP25: Cesarean section scars and other safety issues

Meeting room 18

Chairs: K. Salvesen (Sweden); J. Wladimiroff (United Kingdom)

|   |         |
|---|---------|
| The effect of reduced level of ultrasound power on obstetric biometric measurements   | OP25.01 |
| <i>R. Sande</i> (Norway)  |         |
| The clinical implications of machine - transducer combinations on nuchal translucency measurement                                 | OP25.02 |
| <i>R. Axell</i> (United Kingdom)  |         |
| Management of women with obesity in pregnancy: current utilisation of ultrasound service in the west of Scotland                  | OP25.03 |
| <i>P. Wu</i> (United Kingdom)   |         |
| Transabdominal versus transvaginal assessment of placental site in relation to the internal cervical os                           | OP25.04 |
| <i>S. Westerway</i> (Australia)   |         |
| Sonographic markers for placenta accreta in the first trimester: are they reliable?   | OP25.05 |
| <i>J. Ballas</i> (United States)  |         |
| Sonographic evaluation of the lower uterine segment in pregnant women with prior Caesarean section, a systematic review           | OP25.06 |
| <i>N. Kok</i> (Netherlands)   |         |
| Ultrasound evaluation of the cesarean scar: comparison between one and two layer uterotomy closure                                | OP25.07 |
| <i>J. Glavind</i> (Denmark)   |         |
| Ultrasonic evaluation of a scar on uterus in primiparous women 6 weeks and 6 months after Caesarean section                       | OP25.08 |
| <i>J. Hanacek</i> (Czech Republic)  |         |
| The impact of obstetric ultrasound in reducing maternal mortality in rural communities of Africa: an OBGYN resident's experience  | OP25.09 |
| <i>B. Oluborode</i> (Nigeria)   |         |
| Assessment of maternal cardiac dysfunction following doxorubicin exposure: is any level of exposure during pregnancy cardiotoxic? | OP25.10 |
| <i>M. Small</i> (United States)   |         |
| Analysis of the ultrasonographic findings predictive of vasa previa   | OP25.11 |
| <i>J. Hasegawa</i> (Japan)  |         |
| Cesarean deliveries: a mounting threat  | OP25.12 |
| <i>I. Timor-Tritsch</i> (United States)   |         |

## OP26: Novel imaging modalities of fetal anatomy

Meeting room 19

Chairs: E. Hernandez-Andrade (United States); P. Doubilet (United States)

|  |         |
|--|---------|
| Post-mortem examination of fetal heart in the first half of the pregnancy: a comparison of high-field MRI at 9.4 T to lower-field MRI and to autopsy | OP26.01 |
| <i>C. Votino</i> (Belgium)   |         |
| Comparison of ultrasound and MRI parameters in predicting survival in isolated left-sided congenital diaphragmatic hernia (CDH): what works best?    | OP26.02 |
| <i>M. Bebbington</i> (United States)   |         |
| Prenatal MRI criteria suggesting the presence of a sac in congenital diaphragmatic hernia  | OP26.03 |
| <i>A. Millischer</i> (France)  |         |
| Comparison of MRI and ultrasound in the prenatal diagnosis of congenital diaphragmatic hernia  | OP26.04 |
| <i>S. Laifer-Narin</i> (United States)   |         |
| Role of fetal MRI in mild and moderate ventriculomegaly: prognostic value of biometric parameters and cortical sulcation                             | OP26.05 |
| <i>F. D'Antonio</i> (Italy)  |         |
| Automatic detection of fetal brain structures from ultrasound volumes  | OP26.06 |
| <i>R. Napolitano</i> (United Kingdom)  |         |
| The fetal pharynx and larynx: a novel approach for demonstration and evaluation by 3DUS MPR and render modes   | OP26.07 |
| <i>G. Liberty</i> (Israel)   |         |
| Automated standard plane selection from fetal abdominal ultrasound volumes using a machine learning algorithm  | OP26.08 |
| <i>A. Papageorghiou</i> (United Kingdom)   |         |
| A desktop 3D virtual reality system developed for virtual embryoscopy in routine daily ultrasound practice   | OP26.09 |
| <i>N. Exalto</i> (Netherlands)   |         |
| Effect of deviation from the mid-sagittal plane on the measurement of fetal nuchal translucency (NT) using Volume NTM program                        | OP26.10 |
| <i>H. Cho</i> (Republic of Korea)  |         |

## OP27: Circulatory dynamics in cardiovascular pathologies

Auditorium 12

Chairs: O.B. Petersen (Denmark); F. Prefumo (Italy)

|  |         |
|--|---------|
| Is the circulatory dynamics of fetuses with gastroschisis different from normal?   | OP27.01 |
| <i>G. Martillotti</i> (Canada)   |         |
| A novel Doppler echocardiographic method to determine fetal arrhythmia; a small diastolic flow in the ascending aorta caused by atrial contraction     | OP27.02 |
| <i>Y. Maeno</i> (Japan)  |         |
| Evaluation of fetal arrhythmia from simultaneous recordings of pulsed wave Doppler signals in hepatic vein and descending aorta using Dual Doppler     | OP27.03 |
| <i>T. Kaji</i> (Japan)   |         |
| The 'Delta-MPI': a new measure for unilateral fetal myocardial strain and its normal gestational range   | OP27.04 |
| <i>A. Welsh</i> (Australia)  |         |
| Development of normal gestational ranges for the right myocardial performance index in the Australian population with 3 alternative caliper placements | OP27.05 |
| <i>A. Welsh</i> (Australia)  |         |
| Cardiac tumors and their influence on intra-cardiac flow disturbances in the fetus   | OP27.06 |
| <i>Z. Tian</i> (United States)   |         |
| The new methods of evaluation for total anomalous venous return (TAPVR) from the pulmonary venous flow   | OP27.07 |
| <i>M. Kawataki</i> (Japan)   |         |
| The analysis of the pathogenesis of left heart system small growth by using fetal echocardiography   | OP27.08 |
| <i>Y. He</i> (China)   |         |
| Ventricular long axis function in fetuses with complete transposition: preliminary observations of a pilot study                                       | OP27.09 |
| <i>J. Novaes</i> (United Kingdom)  |         |
| Fetal cardiac atrial volume measured in the second half of gestation with STIC and inversion mode  | OP27.10 |
| <i>B. Messing</i> (Israel)   |         |
| F-TAPSE evaluation in fetal cardiac malformations  | OP27.11 |
| <i>B. Messing</i> (Israel)   |         |
| Feasibility of electrocardiographic interval assessment in fetuses with and without congenital heart disease   | OP27.12 |
| <i>B. Arya</i> (United States)   |         |

# Wednesday 12 September – Program

MTP  
€25

07:45 – 08:25

'Meet the professor' sessions *(these are not part of the main program and must be booked – see program for details)*

OC

08:30 – 09:50

Aneuploidies and fetal anomalies: second trimester *Hall A1*

Ovarian masses *Hall A3*

Multiple pregnancy *Auditorium 15*

OP

09:55 – 10:35

Detection of malformations at the second trimester scan *Hall A1*

Managing ovarian masses *Hall A3*

Multiple pregnancy *Auditorium 15*

Insights into placental function using molecular biology *Meeting room 19*

Fetal growth assessment *Auditorium 12*

OC

11:00 – 12:00

Predicting fetal growth restriction and pre-eclampsia *Hall A1*

Oncology *Hall A3*

Fetal interventions *Auditorium 15*

OP

12:05 – 12:45

Ultrasound in the third trimester and fetal surveillance *Hall A1*

Screening for aneuploidy and consulting in the second trimester *Hall A3*

Fetal cardiac anomalies: diagnostic tools *Auditorium 15*

New developments in education and imaging *Meeting room 19*

Quantitative imaging for functional fetal and placental assessment *Auditorium 12*

Sponsor

13:00 – 14:00

Philips satellite symposium *Hall A1*

Workshops

14:15 – 15:30

Prediction of pregnancy complications *Hall A1*

Intrapartum ultrasound: why, when and how *Hall A3*

Emergency gynecology *Auditorium 15*

Quantitative ultrasound *Auditorium 12*

OC

16:00 – 17:00

The future of first trimester risk assessment *Hall A1*

Awards

17:00 – 17:30

Closing plenary: Presentation of awards and Welcome to Sydney! *Hall A1*

Close

17:30 – 18:30

Congress leaving drinks *Congress foyer*



# ISUOG Education 2013



## Advanced sonographic techniques for the diagnosis of congenital anomalies & fetal echocardiography

**Course directors:**

*Rabih Chaoui (Germany)*

*Dario Paladini (Italy)*

*Gianluigi Pilu (Italy)*



**Dates:**

**1 – 2 March 2013**

**Location:**

Berlin, Germany



**CME:**

Credits will be applied for

**Contact:**

To register your interest, please contact us at

E: [congress@isuog.org](mailto:congress@isuog.org)

T: +44 (0)20 7471 9955





# Program – Wednesday 12 September 2012

**07:45 - 08:25 'Meet the professor' sessions**

Supported by: Toshiba Medical Systems\*

Entry to these sessions is NOT included in the Congress registration fee.

Tickets cost €25 to include continental breakfast and can be booked at the registration desk if places are available.

You will receive a ticket as proof of your registration, which you will need for entry to the session.

|  |                        |
|--|------------------------|
| <b>How to make the best of Doppler examinations in pregnancy (or tips and tricks in Doppler)</b><br><i>C. Brezinka (Austria)</i> | <b>Hall A3</b>         |
| <b>Monochorionic twin complications</b><br><i>E. Gratacós (Spain)</i>  | <b>Bella Vista 5</b>   |
| <b>Practical issues for the assessment of oncology patients</b><br><i>A. Testa (Italy)</i>                                       | <b>Meeting room 19</b> |
| <b>The STIC model for training in fetal echocardiography</b><br><i>S. Yagel (Israel)</i>   | <b>Auditorium 12</b>   |

**08:30 – 09:50 Aneuploidies and fetal anomalies: second trimester Hall A1**

|       |   |         |
|-------|---|---------|
|       | <i>Chairs: G. Pilu (Italy); F. Jørgensen (Denmark)</i>  |         |
| 08:30 | Live scan: new modalities in 3D and 4D second trimester assessment [supported by: Samsung Medison*]<br><i>W. Sepulveda (Chile)</i>  |         |
| 08:50 | The prefrontal space ratio in second and third trimester screening for chromosomal abnormalities<br><i>K. Kagan<sup>1</sup>; B. Yazdi<sup>1</sup>; H. Abele<sup>1</sup>; M. Schaelike<sup>1</sup>; J. Sonek<sup>2</sup>; M. Hoopmann<sup>1</sup>. <sup>1</sup>(Germany); <sup>2</sup>(United States)</i>  | OC20.01 |
| 08:55 | Discussion  |         |
| 08:58 | Prenatal diagnosis of the fetal aberrant right subclavian artery (ARSA): association with aneuploidies and congenital heart defects<br><i>C. Bravo; F. Gámez; R. Pérez; L. Ortiz; J. De Leon Luis (Spain)</i>   | OC20.02 |
| 09:03 | Discussion  |         |
| 09:06 | Positive influences of the introduction of the 20 weeks fetal anomaly scan on prenatal diagnosis and management of fetal facial clefts<br><i>E. Kleinrouweler; S. Ensing; S. Maas; C. Bilardo; C. van der Horst; E. Pajkt (Netherlands)</i>   | OC20.03 |
| 09:11 | Discussion  |         |
| 09:14 | Assessment of facial height and facial width in the second and third trimester of pregnancy, preliminary results<br><i>A. den Boogert; E. de Jong-Pleij; L. Ribbert; L. Pistorius; M. Bakker; E. Tromp; C. Bilardo (Netherlands)</i>  | OC20.04 |
| 09:19 | Discussion  |         |
| 09:22 | Quantitative lung index, contralateral lung area or lung-to-head ratio to predict neonatal outcome in isolated congenital diaphragmatic hernia?<br><i>R. Ruano<sup>1,2</sup>; E. Takashi<sup>1</sup>; M. Silva<sup>1</sup>; S. Haer<sup>2</sup>; U. Tannuri<sup>1</sup>; M. Zugaib<sup>1</sup>. <sup>1</sup>(Brazil); <sup>2</sup>(United States)</i> | OC20.05 |
| 09:27 | Discussion  |         |
| 09:30 | Whole-genome array CGH in fetuses with major malformations: a Danish study<br><i>E. Vestergaard; R. Christensen; O. Petersen; I. Vogel (Denmark)</i>  | OC20.06 |
| 09:35 | Discussion  |         |
| 09:38 | The value of IgG avidity index in the first trimester to predict fetal cytomegalovirus infection<br><i>M. Leruez-Ville; V. Avettand-Fenoël; L. Salomon; J. Stirnemann; F. Jacquemard; Y. Ville (France)</i>   | OC20.07 |
| 09:43 | Discussion  |         |
| 09:46 | Summary<br><i>G. Pilu (Italy)</i>   |         |

**08:30 – 09:50 Ovarian masses Hall A3**

|       |   |                   |
|-------|---|-------------------|
|       | <i>Chairs: L. Platt (United States); L. Valentin (Sweden)</i>   |                   |
| 08:30 | How should you be managing ovarian masses? Practical management protocols based on the IOTA experience<br><i>D. Timmerman (Belgium)</i>   |                   |
| 08:50 | The risk of malignancy in unilocular ovarian cysts: a study on 1148 adnexal masses classified as unilocular cysts at transvaginal scan<br><i>L. Valentin<sup>1</sup>; L. Ameye<sup>2</sup>; A. Testa<sup>3</sup>; D. Franchi<sup>3</sup>; S. Guerriero<sup>3</sup>; A. Lissoni<sup>3</sup>; D. Jurkovic<sup>4</sup>; D. Timmerman<sup>2</sup>. <sup>1</sup>(Sweden); <sup>2</sup>(Belgium); <sup>3</sup>(Italy); <sup>4</sup>(United Kingdom)</i>   | OC21.01           |
| 08:55 | Discussion  |                   |
| 08:58 | Lesion size affects the diagnostic performance of the International Ovarian Tumor Analysis (IOTA) logistic regression models, the IOTA simple rules and the risk of malignancy index to estimate the risk of malignancy in adnexal masses<br><i>A. Di Legge<sup>1</sup>; A. Testa<sup>1</sup>; L. Ameye<sup>2</sup>; B. Van Calster<sup>2</sup>; F. Leone<sup>1</sup>; L. Savelli<sup>1</sup>; D. Franchi<sup>1</sup>; A. Czekirowski<sup>3</sup>; D. Trio<sup>1</sup>; C. Van Holsbeke<sup>2</sup>; E. Ferrazzi<sup>1</sup>; G. Scambia<sup>1</sup>; D. Timmerman<sup>2</sup>; L. Valentin<sup>1</sup>. <sup>1</sup>(Italy); <sup>2</sup>(Belgium); <sup>3</sup>(Poland); <sup>4</sup>(Sweden)</i> | OC21.02           |
| 09:03 | Discussion  |                   |
| 09:06 | Inter and intra observer agreement of IOTA logistic regression models<br><i>P. Sladkevicius; L. Valentin (Sweden)</i>   | OC21.03 & OC21.04 |
| 09:11 | Discussion  |                   |
| 09:14 | Low rate of inconclusive findings in less expert operators using ultrasound simple rules for the diagnosis of ovarian cancer<br><i>C. Peddes<sup>1</sup>; S. Guerriero<sup>1</sup>; P. Fabbri<sup>1</sup>; E. Piccione<sup>1</sup>; F. Sedda<sup>1</sup>; M. Perniciano<sup>1</sup>; A. Piras<sup>1</sup>; M. Pascual<sup>2</sup>; M. Suarez<sup>2</sup>; E. Paladino<sup>1</sup>; L. Saba<sup>1</sup>; G. Melis<sup>1</sup>; J. Alcazar<sup>2</sup>. <sup>1</sup>(Italy); <sup>2</sup>(Spain)</i>  | OC21.05           |
| 09:19 | Discussion  |                   |

\* MTP sessions are supported by an unrestricted educational grant from Toshiba Medical Systems. Educational content is delivered by the speaker. Technical support is provided by sponsors where needed.

\* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.

# Program – Wednesday 12 September 2012

|       |   |         |
|-------|---|---------|
| 09:22 | Ovarian borderline tumors (BOT): transvaginal ultrasound follow up in patients after first surgery<br><i>C. Exacoustos; V. Lanzillotta; A. Di Giovanni; M. Romanini; G. Perniola; D. Arduini; P. Benedetti Panici (Italy)</i> | OC21.06 |
| 09:27 | Discussion  |         |
| 09:30 | Ultrasonographic features of Fallopian tube cancer<br><i>L. Hereter; M. Pascual; F. Tresserra; B. Graupera; M. Martínez; C. Pedrero (Spain)</i>   | OC21.07 |
| 09:35 | Discussion  |         |
| 09:38 | Summary<br><i>L. Valentin (Sweden)</i>  |         |

## 08:30 – 09:50 Multiple pregnancy Auditorium 15

|       |  |                            |
|-------|--|----------------------------|
| 08:30 | <sup>yi</sup> Results from the STORK multiple pregnancy cohort study<br><i>F. D'Antonio; T. Dias; A. Bhide; A. Papageorghiou; B. Thilaganathan; S. Pescarini (United Kingdom)</i>  | OC22.01, OC22.02 & OC22.03 |
| 08:45 | Twin actual birthweight discordance and adverse pregnancy outcome: the STORK multiple pregnancy cohort<br><i>F. D'Antonio; T. Dias; S. Pescarini; A. Bhide; B. Thilaganathan (United Kingdom)</i>  | OC22.04                    |
| 08:50 | Discussion   |                            |
| 08:55 | Cervical length in early pregnancy and spontaneous preterm delivery in twin pregnancies<br><i>M. Hermann; B. Deloison; L. Salomon; N. Russell; Y. Ville (France)</i>   | OC22.05                    |
| 09:00 | Discussion   |                            |
| 09:03 | Discordant anomalies in monochorionic twins<br><i>L. Salomon; A. Al Ibrahim; Y. Ville; L. Zayed; N. Russell; M. Essaoui; G. Chalouhi (France)</i>  | OC22.06                    |
| 09:08 | Discussion   |                            |
| 09:11 | 3D MRI volume reconstruction of the fetal brain in twin-twin transfusion syndrome: reduced brain volume in ex-donors predicts adverse outcomes<br><i>M. Taylor-Clarke; J. Allsop; R. Wimalasundera; M. Rutherford; H. Gardiner (United Kingdom)</i>  | OC22.07                    |
| 09:16 | Discussion   |                            |
| 09:19 | Brain lesions diagnosed prenatally following laser coagulation for twin-twin transfusion syndrome<br><i>G. Virginie; S. Hourrier; M. Essaoui; N. Russell; B. Nadia; L. Salomon; V. Yves (France)</i>   | OC22.08                    |
| 09:24 | Discussion   |                            |
| 09:27 | Neurodevelopmental outcome in single survivors of monochorionic pregnancies treated with fetoscopy<br><i>M. Brain Giannotti; M. Sanz-Cortes; G. Egaña; E. Eixarch; J. Martínez; B. Puerto; E. Gratacós (Spain)</i>   | OC22.09                    |
| 09:32 | Discussion   |                            |
| 09:35 | Chorioamniotic separation after fetoscopy in monochorionic twin pregnancies: incidence and impact on perinatal outcome<br><i>J. Ortiz<sup>2</sup>; E. Eixarch<sup>1</sup>; A. Peguero<sup>1</sup>; A. Rilo<sup>1</sup>; M. Brain Giannotti<sup>1</sup>; M. Sanz-Cortes<sup>1</sup>; J. Martínez<sup>1</sup>; E. Gratacós<sup>1</sup>. <sup>1</sup>(Spain); <sup>2</sup>(Germany)</i> | OC22.10                    |
| 09:40 | Discussion   |                            |
| 09:43 | Closing comments<br><i>Y. Ville (France)</i>   |                            |

## 09:55 – 10:35 Short oral presentation (OP) sessions

|   |                        |
|---|------------------------|
| <b>OP28: Detection of malformations at the second trimester scan</b>  | <b>Hall A1</b>         |
| <i>Chairs: N. Ngu (Australia); E. Pajkrt (Netherlands)</i>            |                        |
| <b>OP29: Managing ovarian masses</b>                                  | <b>Hall A3</b>         |
| <i>Chairs: A. Testa (Italy); A. Sayasneh (United Kingdom)</i>         |                        |
| <b>OP30: Multiple pregnancy</b>                                       | <b>Auditorium 15</b>   |
| <i>Chairs: M. Parra-Cordero (Chile); E. Eixarch (Spain)</i>           |                        |
| <b>OP31: Insights into placental function using molecular biology</b> | <b>Meeting room 19</b> |
| <i>Chairs: E. Merz (Germany); G. Yeo (Singapore)</i>                  |                        |
| <b>OP32: Fetal growth assessment</b>                                  | <b>Auditorium 12</b>   |
| <i>Chairs: G. Lingman (Sweden); A. Baschat (United States)</i>        |                        |

## 10:30 – 11:00 Coffee and e-poster viewing Exhibition hall

## 11:00 – 12:00 Predicting fetal growth restriction and pre-eclampsia Hall A1

|       |  |         |
|-------|--|---------|
|       | <i>Chairs: S. Eik-Nes (Norway); S. Campbell (United Kingdom)</i>   |         |
| 11:00 | Live scan: assessing maternal cardiac function and placental insufficiency [supported by: Siemens AG Healthcare Sector*]<br><i>K. Melchiorre (United Kingdom)</i>  |         |
| 11:20 | Severity of foetal growth restriction from placental insufficiency is associated with an oxidative stress markers response in umbilical cord blood<br><i>E. Maisonneuve; E. Delvin; E. Levy; A. Ouellet; E. Grenier; L. Morin; J. Dubé; I. Boucoiran; M. Bouity-Voubou; J. Moutquin; S. Klam; J. Fouron; L. Leduc (Canada)</i> | OC23.01 |
| 11:25 | Discussion   |         |
| 11:28 | Pregnancy-associated plasma protein A levels and neonatal complications in post-term pregnancies<br><i>A. Zizzo; I. Kirkegaard; T. Heniksen; N. Ulbjerg (Denmark)</i>  | OC23.02 |
| 11:33 | Discussion   |         |
| 11:36 | Customized growth chart for twin gestations to optimize identification of small for gestational age (SGA) fetuses at risk for intra-uterine fetal death (IUFD)<br><i>A. Odibo; A. Cahill; K. Goetzinger; L. Harper; M. Tuuli; G. Macones (United States)</i>   | OC23.03 |
| 11:41 | Discussion   |         |

\* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.

<sup>yi</sup> This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).

# Program – Wednesday 12 September 2012

|       |   |         |
|-------|---|---------|
| 11:44 | A risk model for pre-eclampsia based on maternal characteristics and uterine artery Doppler during the first trimester of pregnancy<br><i>M. Parra-Cordero; A. Sepulveda-Martinez; H. Muñoz; E. Valdes; D. Pedraza (Chile)</i>  | OC23.04 |
| 11:49 | Discussion  |         |
| 11:52 | Prediction of pre-eclampsia using first trimester uterine artery Doppler: a Meta analysis of 43 122 pregnancies<br><i>L. Velauthar<sup>1</sup>; J. Zamora<sup>2</sup>; J. Aquilina<sup>1</sup>; K. Khan<sup>1</sup>; S. Thangaratnam<sup>1</sup>. <sup>1</sup>(United Kingdom); <sup>2</sup>(Spain)</i> | OC23.05 |

## 11:00 – 12:00 Oncology

Hall A3

|       |   |         |
|-------|---|---------|
|       | <i>Chairs: D. Fischerova (Czech Republic); A. Testa (Italy)</i>   |         |
| 11:00 | New prospective IOTA study on 2,500 women. Does experience matter?<br><i>D. Timmerman (Belgium)</i>   |         |
| 11:15 | Early stage cervical cancer: tumor delineation by magnetic resonance imaging and ultrasound in a preoperative staging, verified by pathological results. The results of an European multicentre trial<br><i>E. Epstein<sup>1</sup>; A. Testa<sup>2</sup>; A. Gaurilcikas<sup>3</sup>; A. Di Legge<sup>2</sup>; L. Ameye<sup>4</sup>; V. Atstupenaite<sup>3</sup>; A. Valentini<sup>2</sup>; B. Gui<sup>2</sup>; N. Wallengren<sup>1</sup>; S. Pudaric<sup>1</sup>; A. Cizauskas<sup>3</sup>; A. Masback<sup>1</sup>; G. Zannoni<sup>2</sup>; P. Kannisto<sup>1</sup>; M. Zikan<sup>5</sup>; I. Pinkavova<sup>5</sup>; A. Burgetova<sup>5</sup>; P. Dundr<sup>5</sup>; K. Nemejcova<sup>5</sup>; D. Cibula<sup>5</sup>; D. Fischerova<sup>5</sup>. <sup>1</sup>(Sweden); <sup>2</sup>(Italy); <sup>3</sup>(Lithuania); <sup>4</sup>(Belgium); <sup>5</sup>(Czech Republic)</i> | OC24.01 |
| 11:20 | Discussion  |         |
| 11:23 | Prospective ultrasonographic surveillance of young patients affected by endometrial pre-cancers and well-differentiated endometrial carcinoma in hormonal uterus-sparing treatment<br><i>D. Franchi; S. Boveri; S. Mario (Italy)</i>  | OC24.02 |
| 11:28 | Discussion  |         |
| 11:31 | <sup>vi</sup> A possible role of 3D-ultrasound in the assessment of parametrial infiltration in cervical cancer<br><i>V. Chiappa; M. Miccò; M. Moruzzi; M. Ludovisi; B. Gui; A. Valentini; A. Testa (Italy)</i>   | OC24.03 |
| 11:36 | Discussion  |         |
| 11:39 | Intra-operative ultrasound in fertility sparing procedures for cervical cancer<br><i>I. Pinkavova; P. Dundr; D. Fischerova; M. Zikan; J. Slama; D. Cibula (Czech Republic)</i>  | OC24.04 |
| 11:44 | Discussion  |         |
| 11:47 | The role of ultrasound in planning fertility sparing surgery and individual treatment in early stage cervical cancer<br><i>D. Fischerova; M. Zikan; I. Pinkavova; F. Frühauf; P. Dundr; K. Nemejcova; A. Burgetova; D. Cibula (Czech Republic)</i>  | OC24.05 |
| 11:52 | Discussion  |         |

## 11:00 – 12:00 Fetal interventions

Auditorium 15

|       |  |         |
|-------|--|---------|
|       | <i>Chairs: M. Sanz-Cortes (Spain); B. Thilaganathan (United Kingdom)</i>   |         |
| 11:00 | Minimally-invasive fetoscopic pacemaker insertion in fetal sheep with the aim of treating human fetuses with therapy-resistant complete heart block<br><i>T. Kohl<sup>1</sup>; K. Tchatcheva<sup>1</sup>; T. Camps<sup>2</sup>; K. Smits<sup>2</sup>; F. van Wijk<sup>2</sup>; U. Gembruch<sup>1</sup>; A. Ballhausen<sup>1</sup>. <sup>1</sup>(Germany); <sup>2</sup>(Netherlands)</i>                                    | OC25.01 |
| 11:05 | Discussion   |         |
| 11:08 | In vivo validation of the treatment effect of Sildenafil in a nitrofen induced congenital diaphragmatic hernia rat model<br><i>Y. Yamamoto<sup>1</sup>; B. Thebaud<sup>2</sup>; V. Jain<sup>2</sup>; L. Hornberger<sup>2</sup>. <sup>1</sup>(Japan); <sup>2</sup>(Canada)</i>  | OC25.02 |
| 11:13 | Discussion   |         |
| 11:16 | Early versus 'classical' fetoscopic tracheal occlusion for extremely severe isolated congenital diaphragmatic hernia<br><i>R. Ruano<sup>1,2</sup>; C. Yoshizaki<sup>1</sup>; M. Silva<sup>1</sup>; J. Campos<sup>1</sup>; E. Carreras<sup>3</sup>; J. Peiro<sup>3</sup>; M. Belfort<sup>2</sup>; U. Tannuri<sup>1</sup>; M. Zugaib<sup>1</sup>. <sup>1</sup>(Brazil); <sup>2</sup>(United States); <sup>3</sup>(Spain)</i> | OC25.03 |
| 11:21 | Discussion   |         |
| 11:24 | Should fetuses with congenital cystic lung lesions complicated by hydrops be treated by thoraco-amniotic shunting?<br><i>Y. Yinon; M. Eisner; B. Weisz; B. Chayen; S. Lipitz (Israel)</i>  | OC25.04 |
| 11:29 | Discussion   |         |
| 11:32 | Percutaneous laser ablation under ultrasound guidance for fetal hyperechogenic microcystic lung lesions with hydrops<br><i>R. Ruano<sup>1,2</sup>; M. Silva<sup>1</sup>; E. Salustiano<sup>1</sup>; M. Kilby<sup>3</sup>; U. Tannuri<sup>1</sup>; M. Zugaib<sup>1</sup>. <sup>1</sup>(Brazil); <sup>2</sup>(United States); <sup>3</sup>(United Kingdom)</i>   | OC25.05 |
| 11:37 | Discussion   |         |
| 11:40 | Short and long term outcome after prenatal diagnosis of obstructive megacystis<br><i>E. Passchyn; A. Hindryckx; L. De Catte; J. Deprest; E. Levchenko; D. Trouet; R. Devlieger (Belgium)</i>   | OC25.06 |
| 11:45 | Discussion   |         |

## 12:05 – 12:45 Short oral presentation (OP) sessions

|   |                 |
|---|-----------------|
| <b>OP33: Ultrasound in the third trimester and fetal surveillance</b>           | Hall A1         |
| <i>Chairs: A. Odibo (United States); T. Larsen (Denmark)</i>                    |                 |
| <b>OP34: Screening for aneuploidy and consulting in the second trimester</b>    | Hall A3         |
| <i>Chairs: K. Kagan (Germany); L. Sperling (Denmark)</i>                        |                 |
| <b>OP35: Fetal cardiac anomalies: diagnostic tools</b>                          | Auditorium 15   |
| <i>Chairs: J. Copel (United States); A. Abuhamad (United States)</i>            |                 |
| <b>OP36: New developments in education and imaging</b>                          | Meeting room 19 |
| <i>Chairs: L. Salomon (France); P. Sandager (Denmark)</i>                       |                 |
| <b>OP37: Quantitative imaging for functional fetal and placental assessment</b> | Auditorium 12   |
| <i>Chairs: A. Papageorghiou (United Kingdom); C. Henriques (Denmark)</i>        |                 |

## 12:45 – 14:15 Lunch and e-poster viewing

Exhibition hall

## 13:00 – 14:00 Philips Medical Systems satellite symposium\*\*

Hall A1

\*\* Luncheon satellite symposia are brought to you by our sponsors and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content.

<sup>vi</sup> This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).

# Program – Wednesday 12 September 2012

## 14:15 – 15:30 Workshop: Prediction of pregnancy complications Hall A1

*K. Nicolaidis (United Kingdom)*

## 14:15 – 15:30 Workshop: Intrapartum ultrasound: why, when and how Hall A3

*Chairs: K. Salvesen (Norway); T. Ghi (Italy)*

- 14:15 Predicting vaginal delivery  
*T. Ghi (Italy)*
- 14:30 Assessment of fetal head descent using 2D and 3D ultrasound  
*T. Eggebo (Norway)*
- 14:45 Assessment of fetal head position and station at full dilatation  
*K. Kalache (Germany)*
- 15:00 Ultrasound pre instrumental delivery  
*K. Salvesen (Norway)*
- 15:15 Discussion

## 14:15 – 15:30 Workshop: Emergency gynecology Auditorium 15

*Chairs: T. Boume (United Kingdom); L. Savelli (Italy)*

- 14:15 Lateral or medial whorpool sign: does it matter? OC26.01  
*D. Navve; R. Hershkovitz; E. Zeituni; Z. Klein; R. Tepper (Israel)*
- 14:20 Ultrasound-guided treatment of pregnancies in abnormal locations: report of our 20 years of experience OC26.02  
*P. Doubilet; C. Benson; M. Frates (United States)*
- 14:25 Diagnosis and management of ovarian torsion  
*C. Bottomley (United Kingdom)*
- 14:35 Emergencies in gynecology: how to make optimal use of ultrasonography  
*L. Valentin (Sweden)*
- 14:50 How much blood is it okay to have in the pelvis?  
*G. Condous (Australia)*
- 15:05 Ultrasound based management of acute pelvic inflammatory disease  
*L. Savelli (Italy)*
- 15:20 The evidence base relating to the treatment of section scar pregnancies  
*I. Timor-Tritsch (United States)*

## 14:15 – 15:45 Workshop: Quantitative ultrasound Auditorium 12

*Chair: H. Feltovich (United States)*

- 14:15 Automated estimation of blood perfusion  
*E. Hernandez-Andrade (United States)*
- 14:35 Cervical evaluation with qualitative ultrasound  
*H. Feltovich (United States)*
- 14:55 Non invasive lung maturity evaluation ultrasound  
*E. Gratacós (Spain)*
- 15:15 Discussion: prospects for quantitative imaging in fetal medicine

## 15:30 – 16:00 Coffee and e-poster viewing Exhibition hall

## 16:00 – 17:00 The future of first trimester risk assessment Hall A1

*Chairs: B. Thilaganathan (United Kingdom); S. Yagel (Israel)*

*Panel: E. Gratacós (Spain), K. Nicolaidis (United Kingdom), A. Tabor (Denmark), Y. Ville (France)*

- 16:00 Introduction  
*S. Yagel (Israel)*
- 16:05 The panel will discuss the future of first trimester risk assessment focusing on 4 key areas:  
  - Will NIPD completely replace the need to use ultrasound markers for aneuploidy?
  - The future of cfDNA: a screening or diagnostic test?
  - The interaction between NIPD and first trimester ultrasound
  - Changing the gestational age range of first trimester ultrasound
- 16:53 Summary  
*B. Thilaganathan (United Kingdom)*

## 17:00 – 17:30 Closing ceremony Hall A1

*Chairs: A. Tabor (Denmark); A. Ngu (Australia)*

- 17:00 Presentation of award: Young Investigator award and best presentations  
*E. Gratacós (Spain)*
- 17:15 Welcome to Sydney!  
*A. Ngu (Australia)*

## 17:30 – 18:30 Congress leaving drinks

\* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.

† This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).



## OP28: Detection of malformations at the second trimester scan

Hall A1

Chairs: A. Ngu (Australia); E. Pajkrt (Denmark)

|   |         |
|---|---------|
| Prenatal prediction of neonatal survival in cases diagnosed with congenital diaphragmatic hernia using abdomen to thorax ratio determined by ultrasonography<br><i>J. Lee (Republic of Korea)</i> | OP28.01 |
| Prevalence and prenatal detection rate of congenital diaphragmatic hernia: a population based study<br><i>P. Klaritsch (Austria)</i>  | OP28.02 |
| The qualitative lung index (QLI): a useful new parameter or just more mathematics?<br><i>M. Bebbington (United States)</i>  | OP28.03 |
| Antenatal factors and risk categorisation in gastroschisis<br><i>M. Singh (United Kingdom)</i>  | OP28.04 |
| A method to assess fetal renal echogenicity<br><i>E. Hernandez-Andrade (United States)</i>  | OP28.05 |
| Antenatal detection of facial clefts: is the FASP target achievable?<br><i>H. Mousa (United Kingdom)</i>  | OP28.06 |
| Oto-mandibular dysplasia: a standardized approach based on 3DUS<br><i>J. Bault (France)</i>   | OP28.07 |
| Position of the conus medullaris in fetuses with skeletal dysplasia<br><i>M. Hoopmann (Germany)</i>   | OP28.08 |
| Prenatal detection of Williams-Beuren syndrome using SNP array: report of two cases<br><i>M. Hynek (Czech Republic)</i>   | OP28.09 |
| Cost-effectiveness of testing amniotic fluid for alpha-fetoprotein and acetylcholinesterase versus detailed ultrasound<br><i>A. Flick (United States)</i>   | OP28.10 |
| Premaxillary protrusion in fetuses with facial clefts<br><i>E. de Jong-Pleij (Netherlands)</i>  | OP28.11 |

## OP29: Managing ovarian masses

Hall A3

Chairs: A. Testa (Italy); A. Sayasneh (United Kingdom)

|   |         |
|---|---------|
| Reproducibility of IOTA morphological features in ultrasonographic diagnosis of adnexal masses by less expert operators<br><i>C. Peddes (Italy)</i>                   | OP29.01 |
| Inter-observer agreement in describing adnexal masses using the International Ovarian Tumour Analysis (IOTA) terms and definitions<br><i>P. Sladkevicius (Sweden)</i> | OP29.02 |
| Permanent peritoneal catheter introduced under ultrasound guidance as a palliative derivation of torpid ascites<br><i>M. Zikan (Czech Republic)</i>                   | OP29.03 |
| Intensive training program for ultrasound diagnosis of adnexal masses: protocol and preliminary results<br><i>J. Alcazar (Spain)</i>                                  | OP29.04 |
| The importance of papillary projection in a small unilocular-solid cyst<br><i>S. Giunchi (Italy)</i>  | OP29.05 |
| Perception error and levels of certainty in diagnosing ovarian cancer in operators with different degree of experience<br><i>E. Paladino (Italy)</i>                  | OP29.06 |
| Ultrasound features of ovarian clear cell carcinoma<br><i>L. Ng (Singapore)</i>   | OP29.07 |
| Sonographic follow-up of unilocular >5cm and multilocular <7cm ovarian cysts in post-menopausal women<br><i>F. Leone (Italy)</i>                                      | OP29.08 |
| Accuracy and reproducibility of ultrasonography for the diagnosis of ovarian cancer in operators with different degrees of experience<br><i>E. Paladino (Italy)</i>   | OP29.09 |
| Inversion image analysis: it could be the future in the preoperative diagnosis of ovarian lesions<br><i>E. Domali (Greece)</i>  | OP29.10 |

## OP30: Multiple pregnancy

Auditorium 15

Chairs: M. Parra-Cordero (Chile); E. Eixarch (Spain)

|  |         |
|--|---------|
| The perinatal risks of twin pregnancy in women over the age of 40<br><i>K. Grabowska (Canada)</i>  | OP30.01 |
| Comparison of pregnancy outcomes among ongoing triplet pregnancies, triplet pregnancies reduced to twins, and primary twin pregnancies in a single tertiary center<br><i>H.J. Ko (Republic of Korea)</i> | OP30.02 |
| Prospective epidemiological study about abnormal amniotic fluid balance in monochorionic diamniotic twin pregnancies without any discordance in the first trimester<br><i>S. Iwagaki (Japan)</i>         | OP30.03 |
| Ultrasound risk factors during the early second trimester for perinatal complications in monochorionic twin gestation<br><i>K. Ishii (Japan)</i>   | OP30.04 |
| High perinatal survival in monoamniotic twin pregnancies reaching 20 weeks of gestation<br><i>O. Petersen (Denmark)</i>  | OP30.05 |
| Urinary production in twins<br><i>R. Moreira de Sa (Brazil)</i>  | OP30.06 |
| Perinatal switch between antenatal ultrasound and neonatal birth orders in twins pregnancy<br><i>F. D'Antonio (United Kingdom)</i>   | OP30.07 |
| Neurodevelopmental long-term outcome of preterm monochorionic and dichorionic twins<br><i>M. Kollmann (Austria)</i>  | OP30.08 |
| Perinatal outcome and timing of delivery in type II monochorionic twins with sIUGR and marginal umbilical cord insertion<br><i>E. Cosmi (Italy)</i>  | OP30.09 |
| Dichorionic Tri-Amniotic triplets (DCTA): conservative and interventional management and outcomes<br><i>E. Mullins (United Kingdom)</i>  | OP30.10 |

# Short oral presentations – Wednesday 12 September 2012

## OP31: Insights into placental function using molecular biology

Meeting room 19

Chairs: E. Merz (Germany); G. Yeo (Singapore)

|   |                   |
|---|-------------------|
| Prediction of intrauterine growth restriction by combination of first and second trimester biochemistry markers used in prenatal screening of Down syndrome | OP31.01           |
| <i>M. Echevarria (Spain)</i>  |                   |
| Single nucleotide polymorphism in pre-eclampsia prediction  | OP31.02           |
| <i>J. Drobny (Slovakia)</i>   |                   |
| Metabolomic profile assessment from umbilical cord blood sampling in early and late IUGR neonates   | OP31.03           |
| <i>M. Sanz-Cortes (Spain)</i>   |                   |
| Fetal abdominal aortic intima-media thickness and gestational diabetes  | OP31.04           |
| <i>M. Bertin (Italy)</i>  |                   |
| Inflammatory markers and aortic wall thickness in intra uterine growth restricted fetuses   | OP31.05 & OP31.06 |
| <i>E. Cosmi (Italy)</i>   |                   |
| Carbohydrate and lipid profiles at delivery and aortic intima media thickness in pregnancies complicated by intra uterine growth restriction                | OP31.07 & OP31.08 |
| <i>M. Bertin (Italy)</i>  |                   |
| Cord blood and post-delivery cytokines, chemokines and neurotrophins in infants affected by fetal growth restriction (FGR)                                  | OP31.09           |
| <i>E. Mullins (United Kingdom)</i>  |                   |

## OP32: Fetal growth assessment

Auditorium 12

Chairs: G. Lingman (Sweden); A. Baschat (United States)

|   |         |
|---|---------|
| The importance of standardizing pregnancy dating models   | OP32.01 |
| <i>I. Økland (Norway)</i>   |         |
| Relationship between ovulation-implantation interval, first trimester crown-rump length, birth weight and gestation at delivery | OP32.02 |
| <i>A. Mahendru (United Kingdom)</i>   |         |
| Monitoring fetal growth via customized dynamically-updated growth model   | OP32.03 |
| <i>D. Bashiri (Israel)</i>  |         |
| Abstract withdrawn  | OP32.04 |
| Diagnostic criteria for late-onset intrauterine growth restriction  | OP32.05 |
| <i>F. Figueras (Spain)</i>  |         |
| Abstract withdrawn  | OP32.06 |
| Risk-assessment of late-onset growth restriction using mid-third trimester biometry   | OP32.07 |
| <i>Y. Ville (France)</i>  |         |
| Management of fetal growth restriction at $\geq 36$ weeks of gestation: what can be achieved by careful fetal monitoring?       | OP32.08 |
| <i>J. Kessler (Norway)</i>  |         |

## OP33: Ultrasound in the third trimester and fetal surveillance

Hall A1

Chairs: A. Odibo (United States); T. Larsen (Denmark)

|   |         |
|---|---------|
| Which affect more birth weight - maternal pregestational BMI or weight gain? Prospective observational study                                    | OP33.01 |
| <i>M. Yamamoto (Chile)</i>  |         |
| The concomitant effects of estimated fetal weight and maternal BMI on Cesarean delivery in nulliparous patients                                 | OP33.02 |
| <i>R. Olsen (United States)</i>   |         |
| Screening for late onset IUGR and stillbirth prevention   | OP33.03 |
| <i>J. Alves (Portugal)</i>  |         |
| Prediction of birth weight using 3D ultrasound measurement of fetal thigh volume  | OP33.04 |
| <i>H. Gaafar (Egypt)</i>  |         |
| Association of third trimester abdominal circumference with timing of delivery  | OP33.05 |
| <i>W. Schnettler (United States)</i>  |         |
| Ductus venosus S-wave/isovolumetric A-wave (SIA) Index and A-wave reversed flow in normal gestation   | OP33.06 |
| <i>A. Rossi (Italy)</i>   |         |
| Three dimensional cerebroplacental ratio (CPR 3DPDA): a new parameter for the antenatal surveillance in IUGR fetuses                            | OP33.07 |
| <i>A. Rossi (Italy)</i>   |         |
| Evaluation of fetal cerebral blood perfusion using power Doppler ultrasound angiography (3D-PDA) in normal and growth-restricted fetuses (IUGR) | OP33.08 |
| <i>A. Rossi (Italy)</i>   |         |
| The effect of maternal vitamin D concentration on fetal bone  | OP33.09 |
| <i>C. Ioannou (United Kingdom)</i>  |         |
| In fetal gastroschisis, perinatal outcome is better following induction of labour at 37 weeks than with expectant management                    | OP33.10 |
| <i>D. Baud (Canada)</i>   |         |
| A new scoring system for the diagnosis of placenta accreta by ultrasound  | OP33.11 |
| <i>Y. Gilboa (Israel)</i>   |         |

## OP34: Screening for aneuploidy and consulting in the second trimester

Hall A3

Chairs: K. Kagan (Germany); L. Sperling (Denmark)

|  |         |
|--|---------|
| Extracellular chromosome 21: derived microRNAs in maternal circulation: evaluation of their diagnostic potential for screening of Down syndrome<br><i>I. Hromadnikova (Czech Republic)</i> | OP34.01 |
| Ultrasound screening of Down-syndrome in the second trimester: the prenatal thickness alone<br><i>J. Szabó (Hungary)</i>   | OP34.02 |
| Prenasal thickness, nasal bone length and their ratio: good second trimester sonographic markers for Down syndrome<br><i>A. Szabó (Hungary)</i>  | OP34.03 |
| Fetuses with single umbilical artery: a seven year study<br><i>T. Marjanovic Milosevic (Serbia)</i>  | OP34.04 |
| Single umbilical artery: is it innocent?<br><i>J. Szabó (Hungary)</i>  | OP34.05 |
| Etiology and perinatal outcome of pregnancies with polyhydramnios<br><i>P. Klaritsch (Austria)</i>   | OP34.06 |
| The effect of preliminary training on quantitative evaluation of sonographer performance in the fetal morphology ultrasound examination<br><i>P. Lam (Australia)</i>                       | OP34.07 |
| Level of sonographer agreement for the measurement of the posterior ventricle of the fetal brain<br><i>S. Cumming (United Kingdom)</i>   | OP34.08 |
| Counselling practices regarding aneuploidy risk modification, invasive procedure risks, and procedure eligibility criteria across Canadian centres<br><i>G. Davies (Canada)</i>            | OP34.09 |
| Pregnant womens perspectives on decision-making when a fetal malformation is detected by ultrasound examination<br><i>N. Asplin (Sweden)</i>   | OP34.10 |

## OP35: Fetal cardiac anomalies: diagnostic tools

Auditorium 15

Chairs: J. Copel (United States); A. Abuhamad (United States)

|   |                   |
|---|-------------------|
| Cardiac defects in East Denmark in the period 2008–2010 compared to 1998–2000<br><i>D. Nielsen (Denmark)</i>  | OP35.01           |
| Maternal obesity increases the risk for fetal cardiac anomalies but decreases its detection rate: a secondary analysis from a multi-center observational study<br><i>C. Rolon (Spain)</i> | OP35.02           |
| Prenatal detection of specific isolated congenital heart defects in the Wessex region UK (1994–2010)<br><i>R. Kuppusamy (United Kingdom)</i>  | OP35.03           |
| Effect of implementation of fetal cardiac screening protocols in the United Kingdom<br><i>H. Mousa (United Kingdom)</i>   | OP35.04 & OP35.05 |
| New echocardiographic characteristics for screening fetuses with isolated total anomalous pulmonary venous drainage<br><i>K. Yoshikoshi (Japan)</i>                                       | OP35.06           |
| The umbilical vein, portal system, hepatic veins and other central veins: detailed examination in three planes. A large series<br><i>S. Yagel (Israel)</i>                                | OP35.07           |
| New markers for atrioventricular septal defects in fetus<br><i>K. Shirai (Japan)</i>  | OP35.08           |
| The role of spatio-temporal image correlation (STIC) with tomographic ultrasound imaging (TUI) in the prenatal diagnosis of conotruncal defects<br><i>J. Xu (China)</i>                   | OP35.09           |
| The role of 3D/4D ultrasound with spatiotemporal image correlation (STIC) in evaluation of conotruncal anomalies<br><i>D. Albu (Romania)</i>  | OP35.10           |
| Influence of equipment and settings on repeatability of myocardial performance index<br><i>S. Lobmaier (Spain)</i>  | OP35.11           |
| Aggenesis of the ductus venosus: results from two Spanish tertiary level centers<br><i>J. Bello-Muñoz (Spain)</i>   | OP35.12           |

## OP36: New developments in education and imaging

Meeting room 19

Chairs: L. Salomon (France); P. Sandager (Denmark)

|   |         |
|---|---------|
| Feedback as an educational tool in gynecological ultrasound<br><i>R. Hershkovitz (Israel)</i>   | OP36.01 |
| Do pocket-sized ultrasound machines have the potential to be used as a tool to triage patients in obstetrics and gynecology?<br><i>A. Sayasneh (United Kingdom)</i>                         | OP36.02 |
| Pelvic ultrasound training in obstetrics and gynecology in the United States: a national survey of program directors<br><i>C. Bossano (United States)</i>                                   | OP36.03 |
| Developing an ultrasound evaluation tool using a Delphi technique<br><i>M. Tolsgaard (Denmark)</i>  | OP36.04 |
| A modular programme incorporating virtual reality simulation in delivery of competency based core curriculum in gynaecology ultrasound<br><i>N. Deo (United Kingdom)</i>                    | OP36.05 |
| What is the construct validity for Medaphor ScanTrainer's gynaecological and early pregnancy modules?<br><i>J. Ficquet (United Kingdom)</i>   | OP36.06 |
| Spatio-temporal image correlation (STIC) of whole endometrium: evaluation of the intra and inter observer reliability of acquisition and measurement<br><i>L. Polanski (United Kingdom)</i> | OP36.07 |
| Optimization of the image quality of endometrial-myometrial junction (EMJ)<br><i>A. Votino (Belgium)</i>  | OP36.08 |
| Optimal ultrasound visualization of the endometrial-myometrial junction (EMJ)<br><i>A. Votino (Belgium)</i>   | OP36.09 |
| Spatio-Temporal Image Correlation (STIC) for analysis of whole ovarian blood flow<br><i>M. Baumgarten (United Kingdom)</i>  | OP36.10 |

# Short oral presentations – Wednesday 12 September 2012

## OP37: Quantitative imaging for functional fetal and placental assessment

**Auditorium 12**

Chairs: *A. Papageorgiou (United Kingdom); C. Henriques (Denmark)*

Angle based measurement of the acceleration/ejection phase ratio as a non-invasive method for fetal lung maturity testing

OP37.01

*M. Schenone (United States)*

Prenatal diagnosis of fetal respiratory function: evaluation of fetal lung maturity using lung-to-liver signal intensity ratio at magnetic resonance imaging

OP37.02

*Y. Oka (Japan)*

Estimation of blood perfusion using two and three dimensional power Doppler ultrasound derived techniques

OP37.03

*E. Hernandez-Andrade (United States)*

Applying FMBV technique in three-dimensional power Doppler indices when evaluating placenta: importance of PRF adjustment

OP37.04

*W. Martins (Brazil)*

Arterial spin labelling: a novel non invasive MRI technique to assess placental blood flow

OP37.05

*B. Deloison (France)*

Placental perfusion assessment with dynamic contrast enhanced magnetic resonance imaging: a prospective study

OP37.06

*B. Deloison (France)*

Elastography of the placenta for the evaluation of intra utero growth restriction in murine species

OP37.07

*T. Quibel (France)*

Analysis of placenta with acoustic structure quantification: inter- and intraobserver variability

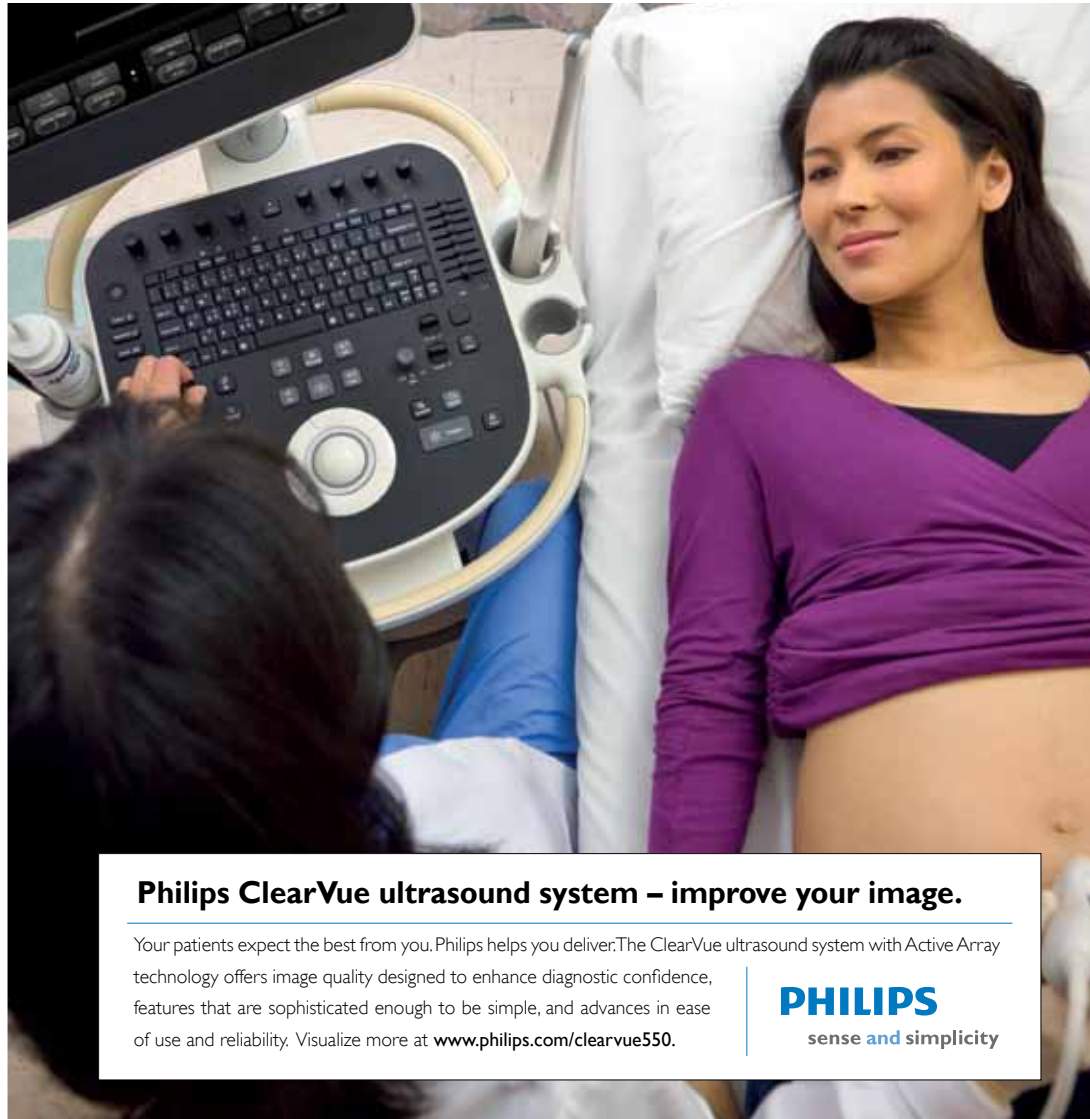
OP37.08

*K. Hammer (Germany)*

Cervical collagen and hydroxy-prolin ratios in patients with cervical insufficiency

OP37.09

*A. Gedikbasi (Turkey)*



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## Electronic posters at a glance

Electronic posters (P) are available for viewing throughout the Congress on the OnDemand stations located opposite the ISUOG lounge in the exhibition hall. You can also send questions or comments to authors using our integrated e-mail facility. Electronic posters are subject categorised on pages 65–78.

| Poster session |  |
|----------------|--|
| P01            | Growth and maternal fetal Doppler  |
| P02            | Imaging diagnosis to therapy   |
| P03            | Malformations and chromosome abnormalities diagnosed at first trimester scan   |
| P04            | Early pregnancy complications I  |
| P05            | Early pregnancy complications II   |
| P06            | First trimester risk assessment and follow-up                                  |
| P07            | Screening for chromosome abnormality at first trimester scan                   |
| P08            | Doppler in uteroplacental insufficiency  |
| P09            | Fetal interventions  |
| P10            | Outcome of fetal heart pathologies   |
| P11            | Reproductive medicine  |
| P12            | Urogynecology and pelvic floor   |
| P13            | Fetal neurosonography and CNS anomalies  |
| P14            | Multiple pregnancy   |
| P15            | Abnormal uterine bleeding  |
| P16            | Predicting outcome in fetal growth   |
| P17            | Fetal neurosonography and CNS anomalies case reports                           |
| P18            | Ultrasound in labour   |
| P19            | Detection of malformations at the second trimester scan                        |
| P20            | Patient safety   |
| P21            | Circulatory dynamics and function in prenatal diagnosis of cardiac pathologies |
| P22            | Ovarian masses   |
| P23            | Monochorionic multiples  |
| P24            | Ultrasound in the third trimester and fetal surveillance case reports          |
| P25            | Malformations and chromosome abnormalities in the second trimester             |
| P26            | Diagnosis methods for fetal heart anomalies                                    |
| P27            | Imaging technology including MRI I   |
| P28            | Imaging technology including MRI II  |
| P29            | Ultrasound in the third trimester and fetal surveillance I                     |
| P30            | Ultrasound in the third trimester and fetal surveillance II                    |
| P31            | Skeletal and placental abnormalities   |
| P32            | The cervix in pregnancy and at term  |
| P33            | Imaging technology including MRI case reports                                  |

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# Electronic poster stations

## P01: Growth and maternal fetal Doppler

|   |        |
|---|--------|
| A succenturiate lobe with fused umbilical cord originated from vanishing twin syndrome<br><i>N. Park (Republic of Korea)</i>  | P01.01 |
| May the Silver-Russell syndrome be suspected in utero by ultrasound?<br><i>G. Centini (Italy)</i>   | P01.02 |
| Maternal primary cytomegalovirus infection and small for gestational age neonates<br><i>A. Curti (Italy)</i>  | P01.03 |
| Three-dimensional (3D) pixelwise fetal volume flow measurements (PixelFlux-method): a novel way to quantify global fetal blood supply<br><i>T. Scholbach (Germany)</i>                        | P01.04 |
| The ductus venosus: anatomical sphincter at its inlet?<br><i>N. Burger (Netherlands)</i>  | P01.05 |
| The effects of chronic intrauterine hypoxia on endothelium vascular relaxation and serum ox-LDL and CRP in adult rabbit offspring<br><i>G. Lv (China)</i>                                     | P01.06 |
| Comparison of the volume perfusion index with current 3D power Doppler indexes, an in-vitro study<br><i>J. Bello-Muñoz (Spain)</i>  | P01.07 |
| Fetal umbilical and middle cerebral arteries during the second and third trimester in low risk pregnancies: intra- and inter-observer reliability and agreement<br><i>W. Martins (Brazil)</i> | P01.08 |
| Fetal demise due to cord entanglement in early second trimester<br><i>R. Ergin Bayik (Turkey)</i>   | P01.09 |
| Volume perfusion index: mathematical modelling of aortic isthmus flow by four dimensional power Doppler: results from an experimental sheep model<br><i>J. Bello-Muñoz (Spain)</i>            | P01.10 |
| Diagnosis of factitious uterine contractions using Doppler fetal/maternal heart rate monitoring<br><i>I. Solt (Israel)</i>  | P01.11 |
| Congenital parvovirus B19 infection in pregnancy, maternal and fetal repercussions: a case report<br><i>A. Carmo (Brazil)</i>   | P01.12 |
| Renal blood flow measurements in normal pregnancies<br><i>A. Hindryckx (Belgium)</i>  | P01.13 |
| Bilateral accessory renal arteries: a prenatal observation<br><i>N. Peters (Netherlands)</i>  | P01.14 |
| The significance of color Doppler in the diagnosis of fetal malformations<br><i>N. Vecek (Croatia)</i>  | P01.15 |
| Negative affection in high pulsatility index of uterine artery for placental growth in first trimester pregnancy<br><i>M. Nakamura (Japan)</i>  | P01.16 |

## P02: Imaging diagnosis to therapy

|  |        |
|--|--------|
| Analysis of the correlation of the breast ultrasound types and the age of the breast in females<br><i>D. Zhang (China)</i>   | P02.01 |
| Evaluation of the transcatheter arterial infusion of CDDP as neoadjuvant chemotherapy for cervical cancer by MRI and its prognosis<br><i>T. Waseda (Japan)</i>                       | P02.02 |
| Abstract withdrawn   | P02.03 |
| Rapid growth of perivascular epithelioid cell tumor (PEComa) in the female genital organs combined with lymphangioleiomyomatosis: a case report<br><i>H. Lee (Republic of Korea)</i> | P02.04 |
| A comparison between ultrasonography and hysteroscopy in the diagnosis of uterine pathology<br><i>I. Solt (Israel)</i>   | P02.05 |
| Ultrasound based criteria for the selection of women for hysteroscopic removal of retained products rather than conventional suction curettage<br><i>Q. Shehab (United Kingdom)</i>  | P02.06 |
| Various approaches to conservative treatment of cervical pregnancy depending on color Doppler imaging of blood flow around fetal sac<br><i>L. Teregulova (Russian Federation)</i>    | P02.07 |
| Burkitt's breast lymphoma in pregnancy: ultrasound diagnosis and guided biopsy<br><i>S. Delcominette (Belgium)</i>   | P02.08 |
| Study for the revised FIGO staging of the endometrial cancer and sonographic appearance<br><i>D. Zhang (China)</i>   | P02.09 |
| Abstract withdrawn   | P02.10 |
| Abstract withdrawn   | P02.11 |
| Advances in transvaginal 3D volumetric imaging: potential clinical impact of virtual ultrasound hysteroscopy<br><i>B. Smith (United Kingdom)</i>                                     | P02.12 |

## P03: Malformations and chromosome abnormalities diagnosed at first trimester scan

|   |        |
|---|--------|
| Normal fetal hand observation with ultrasonography<br><i>M. Yang (China)</i>  | P03.01 |
| Diafragma like amniotic sheet: case report<br><i>L. Ples (Romania)</i>  | P03.02 |
| Early diagnosis of Greig cephalopolysyndactyly syndrome<br><i>E. Codsí (Canada)</i>   | P03.03 |
| A case of 12 week pregnancy with conjoined twins<br><i>R. Radulescu-Botica (Romania)</i>  | P03.04 |
| Accuracy of first trimester fetal sex determination in a routine setting<br><i>L. van Leijden (Netherlands)</i>                                       | P03.05 |
| Prospective validation of the use of three-dimensional ultrasound for fetal gender determination in the first trimester<br><i>F. De Musso (Italy)</i> | P03.06 |
| A case report of the fetal urinary bladder exstrophy: sonographic follow-up from 12th to 36th gestational weeks<br><i>Z. Leibovitz (Israel)</i>       | P03.07 |
| Omphalopagus twins in a diamniotic pregnancy<br><i>C. Martínez-Payo (Spain)</i>   | P03.08 |
| 2D or off-line 3D ultrasound during the first trimester scan<br><i>E. Domali (Greece)</i>   | P03.09 |

# Electronic poster stations

|   |        |
|---|--------|
| First trimester detection of structural abnormalities; a comparison of 2D/3D ultrasound and virtual embryoscopy<br><i>L. Baken (Netherlands)</i>                          | P03.10 |
| Ultrasonographic features of trisomy 13<br><i>R. Napolitano (United Kingdom)</i>  | P03.11 |
| First trimester diagnosis of a 48,XXYY syndrome<br><i>M. Debska (Poland)</i>  | P03.12 |
| Prenatal diagnosis of pericentric inversion of chromosome 9<br><i>S. Lee (Republic of Korea)</i>  | P03.13 |
| A 91 kb microdeletion at Xq26.2 involving the GPC3 gene in a female fetus with Simpson-Golabi-Behmel syndrome detected by prenatal arrayCGH<br><i>N. Becher (Denmark)</i> | P03.14 |

## P04: Early pregnancy complications I

|   |        |
|---|--------|
| Case-control study of early-onset pre-eclampsia prediction during the first trimester of pregnancy with the DELFIA/AutoDELFIA PIGF kit<br><i>T. Hansas (Finland)</i>  | P04.01 |
| Medical termination of pregnancy after Caesarean section: how safe and effective is it?<br><i>K.Ojha (United Kingdom)</i>   | P04.02 |
| Does the hCG ratio in pregnancies of unknown location (PULs) which subsequently become ectopic pregnancies predict the likely management of these ectopic pregnancies?<br><i>I. Casikar (Australia)</i>                                 | P04.03 |
| Is there a difference in the type of management strategies adopted for ectopic pregnancies seen at first scan compared to those ectopic pregnancies which commence as pregnancies of unknown location?<br><i>I. Casikar (Australia)</i> | P04.04 |
| Gestational sac volume is inversely related to maternal height<br><i>M. Mongelli (Australia)</i>  | P04.05 |
| The chronic tubal pregnancy: diagnostic difficulties in transvaginal sonography (TVS)<br><i>W. Sawicki (Poland)</i>   | P04.06 |
| Ovarian hyperstimulation syndrome (OHSS) with normal pregnancy<br><i>U. Teo (United Kingdom)</i>  | P04.07 |
| Cesarean scar pregnancy managed conservatively: case series<br><i>P. Nowak (Brazil)</i>   | P04.08 |
| Retained fetal bone following surgical termination at 12–16 weeks gestation: a series of 4 case reports<br><i>B. Mein (Australia)</i>   | P04.09 |
| Ultrasound diagnosis of bilateral ectopic pregnancy: still a myth?<br><i>P. Sinha (United Kingdom)</i>  | P04.10 |
| Pregnancy of unknown location and multiple fibroids in early pregnancy<br><i>F. Ajibade (United Kingdom)</i>  | P04.11 |
| Caesarean section scar pregnancy: case series at a single tertiary center<br><i>W. Tan (Singapore)</i>  | P04.12 |
| 'Looking for a black cat in the dark': unusual presentations for ectopic pregnancies<br><i>J. Preshaw (United Kingdom)</i>  | P04.13 |
| Ectopic pregnancy of unusual localization after IVF and its successful medical management<br><i>J. Ficquet (United Kingdom)</i>   | P04.14 |
| The use of the VOCAL-measured VI for treatment follow-up of scar pregnancies<br><i>E. Roets (Belgium)</i>   | P04.15 |

## P05: Early pregnancy complications II

|  |        |
|--|--------|
| Effects of cigarette smoking on first trimester sonographic markers in women with certain menstrual dates<br><i>N. Stamatopoulos (Australia)</i>   | P05.01 |
| Pitfalls in evaluation of early pregnancy<br><i>A. Kennedy (United States)</i>   | P05.02 |
| Ultrasonography in the management of 50 consecutive cases of non-tubal ectopic pregnancies: 12 years experience in a London University Hospital<br><i>D. Bye (United Kingdom)</i>                          | P05.03 |
| Is the embryonic growth rate in the first trimester influenced by cigarette smoking?<br><i>N. Stamatopoulos (Australia)</i>  | P05.04 |
| Efficacy and safety of single dose methotrexate treatment for ectopic pregnancy and pregnancy of unknown location and progesterone as a predictor of success<br><i>J. Ludlow (Australia)</i>               | P05.05 |
| Sonography features of ectopic pregnancy: three years experience in a London University Hospital<br><i>D. Bye (United Kingdom)</i>   | P05.06 |
| Where is my ectopic pregnancy?<br><i>C. Crowe (United Kingdom)</i>   | P05.07 |
| Viable intrauterine pregnancies: what influences outcome of the first trimester?<br><i>N. Stamatopoulos (Australia)</i>  | P05.08 |
| Is there a difference in the behaviour of ectopic pregnancies seen at first scan compared to those ectopic pregnancies which commence as pregnancies of unknown location?<br><i>I. Casikar (Australia)</i> | P05.09 |
| Intrafollicular ovarian pregnancy after intrauterine insemination<br><i>D. Albu (Romania)</i>  | P05.10 |

## P06: First trimester risk assessment and follow-up

|  |        |
|--|--------|
| Nuchal translucency at 11 to 13+6 weeks of gestation in an Indian population<br><i>A. Khurana (India)</i>                                  | P06.01 |
| Increased nuchal translucency, second trimester ultrasound findings and long-term outcomes: 4 year review<br><i>V. Mourinha (Portugal)</i> | P06.02 |
| Pregnancy outcome in fetuses with increased NT and normal karyotype<br><i>L. Eslamian (Islamic Republic of Iran)</i>                       | P06.03 |



## Electronic poster stations

|  |        |
|--|--------|
| Perinatal outcomes in patients with $\geq 3$ mm nuchal translucencies and combined screening for trisomy 21 $\leq 1/270$<br><i>C. Martinez-Payo (Spain)</i>  | P06.04 |
| Prenatal management, pregnancy and pediatric outcome in fetuses with septated cystic hygroma<br><i>I. Mendilcioglu (Turkey)</i>  | P06.05 |
| Skin edema in first trimester fetuses<br><i>N. Jenewein (Germany)</i>  | P06.06 |
| Inter-operator reliability of manual and semi-automated measurement (SONO-NT)<br><i>M. Bakker (Netherlands)</i>  | P06.07 |
| Is the spinal cord a useful criterion in selecting the correct section for measurement of nuchal translucency?<br><i>T. Chudleigh (United Kingdom)</i>   | P06.08 |
| Exponentially weighted moving average chart as a suitable tool for prospective as well as retrospective nuchal translucency quality review<br><i>M. Hynek (Czech Republic)</i>                                   | P06.09 |
| Institution-specific normal nuchal translucency distribution in same ethnic group<br><i>P. Kang (Republic of Korea)</i>  | P06.10 |
| Evaluation of PAPP-A and free beta hCG in enlarged nuchal translucency: benefit in first trimester screening<br><i>F. D'Antonio (Italy)</i>  | P06.11 |
| PAPP-A - a marker for gestational diabetes?<br><i>C. Schaas (Romania)</i>  | P06.12 |
| Effect of gestation on $\beta$ -hCG and PAPP-A in the first trimester combined screening<br><i>C. Hsiao (Taiwan)</i>   | P06.13 |
| <b>P07: Screening for chromosome abnormality at first trimester scan</b>   |        |
| Patient's perception of first trimester risk assessment for Down syndrome: what is a "high risk" for you?<br><i>G. Chalouhi (France)</i>   | P07.01 |
| Can we predict who will choose invasive testing after a positive first trimester combined screening for Down syndrome?<br><i>K. Leung (Hong Kong)</i>  | P07.02 |
| Comparison of first and second trimester Down's syndrome screening in the west of Scotland<br><i>P. Wu (United Kingdom)</i>  | P07.03 |
| First trimester screening for trisomy 21 by maternal age, nuchal translucency and fetal nasal bone in 13,049 unselected pregnancies in Slovenia<br><i>D. Strah (Slovenia)</i>                                    | P07.04 |
| Using nasal bone as a marker is associated with lower false-positive rate in sonographic screening of trisomy 21 at Hospital Sonderjylland Sonderborg<br><i>R. Andreassen (Denmark)</i>                          | P07.05 |
| Detection of malformations or chromosomal defects in fetuses until GA 22+6, which leads to termination, using ultrasound performed by sonographers<br><i>R. Andreassen (Denmark)</i>                             | P07.06 |
| The use of integrated test for the screening of chromosomal pathology in referral center<br><i>G. Pagani (Italy)</i>   | P07.07 |
| First trimester evaluation of the tricuspid flow: influence of body mass index and gestational age<br><i>G. Lobo (Brazil)</i>  | P07.08 |
| First trimester evaluation of the facial angle: influence of body mass index and gestational age<br><i>G. Lobo (Brazil)</i>  | P07.09 |
| Screening performance for trisomy 21 comparing first trimester combined screening and a first trimester contingent screening protocol including ductus venosus and tricuspid flow<br><i>C. Ekelund (Denmark)</i> | P07.10 |
| Distended jugular lymphatic sacs in first trimester<br><i>Y. Nieto Jimenez (Spain)</i>   | P07.11 |
| Screening for fetal aneuploidies and fetal cardiac abnormalities by nuchal translucency thickness in unselected population<br><i>Y. Nieto Jimenez (Spain)</i>  | P07.12 |
| Early first trimester bradycardia as a sign of imminent embryonic demise and chromosomal abnormalities<br><i>C. Berceanu (Romania)</i>   | P07.13 |
| Early detection (8+2 weeks) of sonographic markers that are predictive of fetal Turner syndrome<br><i>B. Gebauer Vuković (Croatia)</i>   | P07.14 |
| The development of an image assessment tool for crown rump length<br><i>T. Chudleigh (United Kingdom)</i>  | P07.15 |
| The development of an image assessment tool for nuchal translucency<br><i>T. Chudleigh (United Kingdom)</i>  | P07.16 |
| The use of first trimester biochemical markers for crown-rump length quality control<br><i>J. Sabria (Spain)</i>   | P07.17 |
| <b>P08: Doppler in uteroplacental insufficiency</b>  |        |
| Use of three-dimensional power Doppler ultrasound for the study of upper arm in small-for-gestational-age fetuses<br><i>P. Tsai (Taiwan)</i>   | P08.01 |
| Uterine artery at first trimester: quantitative and individualized assessment of the learning curve using CUSUM<br><i>E. Scazzocchio (Spain)</i>   | P08.02 |
| Post-partum evaluation of maternal cardiac function in a cohort of severe pre-eclamptic women<br><i>M. Nanni (Italy)</i>   | P08.03 |
| Clinical evaluation of a 12-week risk algorithm predicting the onset of pre-eclampsia requiring delivery $<34$ weeks gestation<br><i>F. Park (Australia)</i>   | P08.04 |
| Prognostic role of uterine artery Doppler before delivery in pregnancies complicated with pre-eclampsia<br><i>G. Pagani (Italy)</i>  | P08.05 |
| The synergic effect of patch nitroglycerin and low-dose aspirin in pregnancies with abnormal uterine Doppler and fetal growth restriction<br><i>A. Karimi (United States)</i>                                    | P08.06 |
| The influence of maternal heart rate on second trimester Doppler indices and efficiency of screening for pre-eclampsia<br><i>S. Pescarini (United Kingdom)</i>   | P08.07 |
| Screening for pre-eclampsia during the first trimester in routine clinical practice: a prospective study<br><i>L. Orosz (Hungary)</i>  | P08.08 |
| Umbilical artery peak systolic velocity in IUGR fetuses<br><i>R. Hershkovitz (Israel)</i>  | P08.09 |

## Electronic poster stations

|   |        |
|---|--------|
| The role of Doppler to predict adverse pregnancy outcome in women with pre-eclampsia<br><i>G. Pagani (Italy)</i>  | P08.10 |
| Unexpected death in fetuses with normal growth: do Doppler parameters have predictive value?<br><i>E. Hernandez-Andrade (United States)</i>   | P08.11 |
| Doppler assessment of fetoplacental velocimetry in pregnancies complicated by insulin dependent diabetes mellitus<br><i>M. Bachanek (Poland)</i>                                      | P08.12 |
| Umbilical and middle cerebral artery blood flow differences in fetuses during preterm labor<br><i>S. Olgan (Turkey)</i>   | P08.13 |
| Results of perinatal care of fetuses with early onset intrauterine growth restriction and signs of blood flow redistribution in our institute<br><i>I. Urbánková (Czech Republic)</i> | P08.14 |
| The role of uterine artery pulsatility index for prediction of outcome in pregnancies complicated by pre-eclampsia<br><i>A. Fichera (Italy)</i>                                       | P08.15 |
| Perinatal outcome of late-onset small-for-gestational-age fetuses with abnormal middle cerebral artery Doppler fluxometry: preliminary results<br><i>E. Baptista (Portugal)</i>       | P08.16 |
| Assessment of cervical artery indices using transvaginal ultrasound: preliminary results<br><i>A. Hatanaka (Brazil)</i>   | P08.17 |
| The characteristics of maternal fetal Doppler in congenital heart disease<br><i>W. Song (China)</i>   | P08.18 |
| Perinatal results comparing small for gestational age (SGA) fetuses and intrauterine growth restriction (IUGR) fetuses<br><i>L. Guirado Manchón (Spain)</i>                           | P08.19 |
| Loss of uterine artery notch: positive sign for larger term birth weight in non pre-eclamptics<br><i>R. Ergin Bayik (Turkey)</i>  | P08.20 |
| Screening for pre-eclampsia by second trimester uterine artery Doppler evaluation<br><i>V. Stoykova (Bulgaria)</i>  | P08.21 |

### P09: Fetal interventions

|  |        |
|--|--------|
| Amniocentesis and the risk of second trimester fetal loss in twin pregnancies: results from a prospective observational study<br><i>J. Bello-Muñoz (Spain)</i>                                 | P09.01 |
| Risk of prenatal diagnostic invasive procedures in hepatitis B surface antigen-positive women<br><i>K. Leung (Hong Kong)</i>   | P09.02 |
| Fetomaternal haemorrhage after chorionic villus sampling and amniocentesis<br><i>O. Simetka (Czech Republic)</i>   | P09.03 |
| Prognostic reliability of the prenatal FISH-test<br><i>A. Hagen (Germany)</i>  | P09.04 |
| Intrauterine platelet transfusion following fetal blood sampling in alloimmune thrombocytopenia: analysis of the safety of the procedure<br><i>M. Debska (Poland)</i>                          | P09.05 |
| Validation of post-mortem magnetic resonance imaging (MRI) in the evaluation of cerebellar herniation in the fetal sheep model for spina bifida<br><i>D. Pedreira (Brazil)</i>                 | P09.06 |
| Vanishing fetal goiter<br><i>N. Gupta (India)</i>  | P09.07 |
| Biometric evaluation of the lungs in fetuses with diaphragmatic hernia based on ultrasound and pathological findings<br><i>D. Nowakowska (Poland)</i>  | P09.08 |
| Successful treatment of fetal bilateral primary chylothorax<br><i>D. Nowakowska (Poland)</i>   | P09.09 |
| Intrathoracic pressure in congenital hydrothorax: supporting the sonographic signs of the underlying physiopathology<br><i>M. Yamamoto (Chile)</i>   | P09.10 |
| Unique prenatal finding of Pneumocysts jiroveci (P.carinii) from single bronchogenic cyst or lung tissue<br><i>O. Solovyov (Ukraine)</i>   | P09.11 |
| Three cases with congenital cystic adenomatoid malformation successfully treated with cyst-amniotic shunting using double basket catheter<br><i>J. Sasahara (Japan)</i>                        | P09.12 |
| Evaluation of perinatal course of congenital lower urinary tract obstruction in 34 cases<br><i>R. Oi (Japan)</i>   | P09.13 |
| Report of first two cases of TRAP treated with US guided bipolar forceps cord coagulation in Chile<br><i>M. Yamamoto (Chile)</i>   | P09.14 |
| Fetoscopic laser surgery for twin-to-twin transfusion syndrome before 17 and after 26 weeks gestation<br><i>D. Baud (Canada)</i>   | P09.15 |
| Selective fetoscopic laser photocoagulation therapy for twin-to-twin transfusion syndrome: experience of a referral hospital<br><i>E. Antolin (Spain)</i>                                      | P09.16 |
| Twin anaemia-polycythaemia sequence after treatment for twin-to-twin transfusion syndrome: timing of delivery<br><i>P. Wu (United Kingdom)</i>   | P09.17 |
| The neonatal outcome in monochorionic twins after laser therapy<br><i>S. Krzysztof (Poland)</i>  | P09.18 |
| Feasibility of fetoscopic laser surgery for twin amniotic fluid discordance<br><i>H. Sago (Japan)</i>  | P09.19 |
| Presurgical risk factors for fetal demise in TTTS treated by fetoscopy in Brazil and Chile<br><i>M. Yamamoto (Chile)</i>   | P09.20 |
| Fetoscopic cord resection to avoid cord entanglement in twin-reversed arterial perfusion sequence complicated with spontaneous disruption of the dividing membrane<br><i>M. Nakata (Japan)</i> | P09.21 |
| Perinatal outcomes following radiofrequency ablation in monochorionic pregnancies<br><i>E. Mullins (United Kingdom)</i>  | P09.22 |
| A clinical trial of ultrasound treatment for TRAP sequence<br><i>K. Ichizuka (Japan)</i>   | P09.23 |
| Intrauterine treatment of a suprasellar inter-hemispheric arachnoid cyst by feto-cisternostomy<br><i>G. Chalouhi (France)</i>  | P09.24 |

# Electronic poster stations

## P10: Outcome of fetal heart pathologies

|   |        |
|---|--------|
| Obstetric characteristics of the antenatally detected fetal hypoplastic left heart syndrome (HLHS)<br><i>E. Kim (Republic of Korea)</i>                   | P10.01 |
| Diaphragmatic hernia: a postnatal complication of absent ductus venosus<br><i>V. Jowett (United Kingdom)</i>  | P10.02 |
| Recurrent congenital cardiac anomaly in 3 consecutive pregnancies<br><i>P. Sinha (United Kingdom)</i>   | P10.03 |
| Clinical outcome of prenatally diagnosed isolated pericardial effusion<br><i>K. Kyeong (Republic of Korea)</i>  | P10.04 |
| The diagnose and outcome analysis of fetal echocardiography on premature closure or restriction of foramen ovale: a case series<br><i>Y. He (China)</i>   | P10.05 |
| Reproducibility of cardiothoracic ratio and ventricular sphericity indices in the evaluation of fetal cardiac remodeling<br><i>M. Cruz Lemini (Spain)</i> | P10.06 |
| Cardiac rhabdomyoma: prenatal diagnosis and postnatal outcome<br><i>A. Hagen (Germany)</i>  | P10.07 |
| Accuracy of ultrasound findings in fetal cardiac disease correlated with neonatal diagnosis<br><i>L. Ples (Romania)</i>                                   | P10.08 |
| Prenatal diagnosis of fetal idiopathic cardiomyopathy<br><i>M. Yang (China)</i>   | P10.09 |

## P11: Reproductive medicine

|  |        |
|--|--------|
| How does IVF affect the endometrium and is this predictive of conception?<br><i>S. Sur (United Kingdom)</i>  | P11.01 |
| How does IVF treatment affect uterine artery pulsed wave Doppler indices<br><i>S. Sur (United Kingdom)</i>   | P11.02 |
| Ascites Index: a new method of ultrasound evaluation of ascites volume in patients with ovarian hyperstimulation syndrome<br><i>P. Szkodziak (Poland)</i>                    | P11.03 |
| Correlation between ultrasound corpus luteum blood flow and serum progesterone concentrations of infertile women in Medan, Indonesia<br><i>M. Siregar (Indonesia)</i>        | P11.04 |
| Pyosalpinx misdiagnosed as uterus didelphys in a patient with primary infertility<br><i>M. Erman Akar (Turkey)</i>   | P11.05 |
| Abstract withdrawn   | P11.06 |
| Transabdominal oocyte pick up in a patient with mullerian agenesis and solitary pelvic kidney<br><i>M. Erman Akar (Turkey)</i>   | P11.07 |
| Pain during HyCoSy using gel foam to assess tubal patency<br><i>T. Van den Bosch (Belgium)</i>   | P11.08 |
| Diagnostic accuracy of enhanced ultrasonography in subfertile women<br><i>E. Domali (Greece)</i>   | P11.09 |
| Transvaginal ultrasound evaluation in a Cesarean scar defect and their complications<br><i>B. Graupera (Spain)</i>   | P11.10 |
| Interobserver variation in measurements of Cesarean scar defect and myometrium with 3D ultrasonography<br><i>L. Madsen (Denmark)</i>   | P11.11 |
| The ultrasound morphological structure of ovaries, AMH and indices of color Doppler imaging in autoimmune oophoritis: are they interrelated?<br><i>K. Tokhunts (Armenia)</i> | P11.12 |

## P12: Urogynecology and pelvic floor

|  |        |
|--|--------|
| Pelvic floor biometry after the delivery in Chinese primiparous women<br><i>S. Chan (Hong Kong)</i>  | P12.01 |
| 3D/4D ultrasound assessment of urogenital hiatus in women after elective and acute Caesaeran section<br><i>K. Dlouha (Czech Republic)</i>              | P12.02 |
| Saline infusion vaginography [SIV]: a novel technique for sonographic assessment of the vaginal wall and pelvic floor<br><i>P. Dar (United States)</i> | P12.03 |
| The importance of echography in diagnostic and surgical follow-up of patients with urinary stress incontinence<br><i>D. Albu (Romania)</i>             | P12.04 |

## P13: Fetal neurosonography and CNS anomalies

|  |        |
|--|--------|
| Prenatal corpus callosum measurement: biometry second and third trimester<br><i>G. Chalouhi (France)</i>   | P13.01 |
| Prenatal diagnosis of septal dysgenesis: a report of five cases<br><i>C. Hsieh (Taiwan)</i>  | P13.02 |
| Transabdominal assessment of the mid-sagittal plane of the fetal brain: comparison between two- and three-dimensional ultrasound<br><i>T. Illescas (Spain)</i>                                   | P13.03 |
| Prenatal diagnosis of fetal midline CNS anomalies by the combination of 2D/3D ultrasound and fetal magnetic resonance<br><i>V. Frisova (Czech Republic)</i>                                      | P13.04 |
| Abstract withdrawn   | P13.05 |
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| Evaluation of fetal corpus callosum using two-dimensional and three-dimensional ultrasonography<br><i>W. Wong (Singapore)</i>  | P13.07 |
| Intracranial translucency, brain stem and pons-occipital diameter at 11-14 week scan: intra- and interobserver agreement between trainee and teacher<br><i>J. Vojtech (Czech Republic)</i>       | P13.08 |
| Vermian biometry in normal fetal posterior fossa: comparing 3D ultrasonographic method measurements with 2D ultrasonographic method and magnetic resonance imaging<br><i>E. Katorza (Israel)</i> | P13.09 |
| Nomograms of fetal posterior fossa measurements in median plane using 3D-MPR fetal head sonographic imaging<br><i>Z. Leibovitz (Israel)</i>  | P13.10 |

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| Normal range of fetal intracranial translucency (IT) at 11,0 to 13,6 weeks of gestation in a Polish population<br><i>A. Hamela-Olkowska (Poland)</i>   | P13.11 |
| Neurodevelopmental outcome in isolated borderline ventriculomegaly diagnosed in fetal life<br><i>M. Kutuk (Turkey)</i>   | P13.12 |
| Interobserver agreement in fetal and neonatal neurosonography<br><i>B. van der Knoop (Netherlands)</i>   | P13.13 |
| Fetal olfactory sulci and bulbs: feasibility of 3D US assessment<br><i>J. Bault (France)</i>   | P13.14 |
| Correlation between fetal cerebral fissures and head parameters by 3D ultrasound in multiplanar mode<br><i>P. Nowak (Brazil)</i>   | P13.15 |
| Can we trust in 3D brain volumes? Internal validation of DBP, FOD, cisterna magna and TCD measurements<br><i>M. Yamamoto (Chile)</i>   | P13.16 |
| Transvaginal 3D power Doppler (3DPD) sonographic evaluation of the fetal brain at 10-13 weeks' gestation<br><i>M. Ito (Japan)</i>  | P13.17 |
| Fetal magnetic resonance imaging (MRI) impact on prenatal management of ultrasound detected fetal central nervous system malformations<br><i>A. Gomes (Portugal)</i>                                   | P13.18 |
| Coronal measurement of fetal lateral ventricles: an ultrasonographic study<br><i>E. Katorza (Israel)</i>   | P13.19 |
| The influence of different plan sections on the biometry of the fetal head in the first trimester<br><i>L. Salomon (France)</i>  | P13.20 |
| "Beret" sign in differentiating between anencephaly and exencephaly during ultrasound at the first and the second trimester<br><i>P. Szkodziak (Poland)</i>  | P13.21 |
| Urine production rate in fetuses with digestive tube obstruction and central nervous system defects complicated with polyhydramnios by using three-dimensional ultrasonography<br><i>G. Lv (China)</i> | P13.22 |
| Fetal malformations features in the Fetal Medicine Department of the Federal University of São Paulo<br><i>G. Lobo (Brazil)</i>  | P13.23 |
| Behaviour of fetuses with choroid plexus cyst<br><i>M. Ditte (Slovakia)</i>  | P13.24 |
| Congenital hydrocephalus: a 13 year study of incidence and outcome at a single tertiary center<br><i>W. Tan (Singapore)</i>  | P13.25 |

## P14: Multiple pregnancy

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| Reproducibility of chorionicity determination from ultrasound images at 11-14 weeks in twin pregnancies<br><i>L. Salomon (France)</i>  | P14.01 |
| Impact of first trimester discordance in crown to rump length in dichorionic diamniotic pregnancies on neonatal outcomes<br><i>M. Singh (United Kingdom)</i>   | P14.02 |
| Does number of feticide effect term birth weight and birth week in multiple pregnancy?<br><i>R. Ergin Bayik (Turkey)</i>   | P14.03 |
| Perinatal outcome in monochorionic versus dichorionic twin pregnancies<br><i>A. Wiczorek (Poland)</i>  | P14.04 |
| Comparison of mode of delivery and perinatal outcome in uncomplicated MCDA (monochorionic diamniotic) and DCDA (dichorionic diamniotic) twin pregnancies delivering after 34 weeks gestation<br><i>M. Singh (United Kingdom)</i> | P14.05 |
| Report on a case of combined intrauterine and abdominal pregnancy neglected on ultrasonographic examination in the first-trimester<br><i>L. Wang (China)</i>   | P14.06 |
| Complete hydatidiform mole and co-existing live fetus (CHCF): ultrasound diagnosis is possible by 6 weeks gestation<br><i>S. Mann (United States)</i>  | P14.07 |
| Prediction of the risk of Cesarean delivery after induction of labor based on clinical and ultrasound parameters in twin gestations<br><i>K. Park (Republic of Korea)</i>  | P14.08 |
| Fetal reflex movement in twin pregnancies late in the first trimester: 4D sonographic study<br><i>K. Kanenishi (Japan)</i>   | P14.09 |
| Massive necrosis of complete hydatidiform mole in a twin pregnancy with coexisting fetus<br><i>M. Okumura (Brazil)</i>   | P14.10 |
| Prenatal diagnosis and management of an ICSI twin pregnancy complicated by a co-existing molar pregnancy<br><i>W. Tan (Singapore)</i>  | P14.11 |

## P15: Abnormal uterine bleeding

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| Sonohysterography: the role in the diagnosis of endometrial polyps<br><i>C. Penati (Italy)</i>  | P15.01 |
| Scan findings in patients with menstrual disorders attending inner city London Hospital<br><i>S. Sankaran (United Kingdom)</i>  | P15.02 |
| A rare cause of postpartum bleeding: exaggerated placental site reaction and placental site nodule<br><i>E. Ugurlu (Turkey)</i>   | P15.03 |
| Ultrasound was necessary adjunct in surgical intervention for removal of calcified retained products of conception in patient with cystic fibrosis<br><i>A. Emmi (United States)</i>                  | P15.04 |
| Vascularity measurements in predicting deep invasion in endometrial carcinoma: uterine artery color Doppler and uterine 3D-power Doppler angiography<br><i>S. Saarelainen (Finland)</i>               | P15.05 |
| Accuracy of a sonographic based triage with endometrial sampling during saline contrast sonohysterography in pre- and post-menopausal women with abnormal uterine bleeding<br><i>F. Leone (Italy)</i> | P15.06 |
| Does the initial volume of intramural fibroids affect the decrease of fibroid volumes after uterine artery embolization?<br><i>P. Czuczwar (Poland)</i>   | P15.07 |
| Does the menstrual cycle affect MRgFUS-treated area of uterine myoma?<br><i>H. Fukunishi (Japan)</i>  | P15.08 |



## Electronic poster stations

### P16: Predicting outcome in fetal growth

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| Growth curve for normal aIMT, SGA and LGA fetuses   | P16.01 |
| <i>M. Bertin (Italy)</i>  |        |
| The effect of cigarette smoking during the first trimester and subsequent birth weight at delivery: a longitudinal study                              | P16.02 |
| <i>N. Stamatopoulos (Australia)</i>   |        |
| 3-dimensional power Doppler (3DPD) "biopsy" of the Utero-Placental Circulation Space (UPCS): inter/intraobserver variability and reproducibility      | P16.03 |
| <i>P. Dar (United States)</i>   |        |
| Effects of fetal myocardial injury in FHR parameters in pregnancies with placental dysfunction  | P16.04 |
| <i>R. Nomura (Brazil)</i>   |        |
| Ultrasonographic measurements of thymus size in pregnancies with placental dysfunction  | P16.05 |
| <i>R. Nomura (Brazil)</i>   |        |
| Longitudinal condition specific fetal growth charts in antiphospholipid syndrome and systemic lupus erythematosus                                     | P16.06 |
| <i>C. Lees (United Kingdom)</i>   |        |
| Use of customised birthweight centiles in fetuses with congenital heart disease   | P16.07 |
| <i>L. Story (United Kingdom)</i>  |        |
| Microscopic evaluation of aorta intima media thickness in IUGR stillborn fetuses  | P16.08 |
| <i>M. Bertin (Italy)</i>  |        |
| Intra-inter observer variability of BPD outer-to-outer and outer- to-inner methods  | P16.09 |
| <i>R. Napolitano (United Kingdom)</i>   |        |
| Vscan portable ultrasound scanner accurately measures estimated placental volume (EPV)  | P16.10 |
| <i>H. Kliman (United States)</i>  |        |
| Postural stress can discriminate between placental insufficiency and other complications of pregnancy not associated with impaired placental function | P16.11 |
| <i>I. Solt (Israel)</i>   |        |
| First trimester fetal heart rate as a predictor of fetal sex  | P16.12 |
| <i>L. Bracero (United States)</i>   |        |
| Analysis of fetal urinary production, renal artery and vein Doppler measurements and renal volume in normal pregnancies                               | P16.13 |
| <i>A. Hindryckx (Belgium)</i>   |        |
| The association between ischemia-modified albumin levels in umbilical vein and intrauterine growth restriction  | P16.14 |
| <i>I. Mendilcioglu (Turkey)</i>   |        |
| Subsequent pregnancy outcomes in women with prior pregnancy complicated by both very low birth weight and small for gestational age infant            | P16.15 |
| <i>M. Matsushita (Japan)</i>  |        |
| Fetal growth restriction: obstetrics and neonatal outcomes  | P16.16 |
| <i>A. Hatanaka (Brazil)</i>   |        |
| Early embryonic heart rate and pregnancy outcome  | P16.17 |
| <i>K. Szili (Hungary)</i>   |        |
| Is there a correlation between crown-rump length at the nuchal translucency screen and subsequent birth weights or prematurity?                       | P16.18 |
| <i>M. Mongelli (Australia)</i>  |        |
| Fetal biometry specific for Korean women  | P16.19 |
| <i>J. Kwon (Republic of Korea)</i>  |        |
| Emergency Caesarean section for fetal distress in labour is associated with smaller infants than spontaneous vaginal delivery                         | P16.20 |
| <i>T. Prior (United Kingdom)</i>  |        |
| Estimation of prenatal aorta intima-media thickness in ultrasound examination   | P16.21 |
| <i>E. Cosmi (Italy)</i>   |        |

### P17: Fetal neurosonography and CNS anomalies case reports

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| Fetal epidural hematoma following "non primary" Cytomegalovirus infection: a case report                          | P17.01 |
| <i>F. D'Antonio (United Kingdom)</i>  |        |
| A rare case of middle interhemispheric variant of holoprosencephaly   | P17.02 |
| <i>L. Ples (Romania)</i>  |        |
| Fetal diagnosis of Miller-Dieker syndrome revealed by partial corpus callosum agenesis at 20.4 weeks              | P17.03 |
| <i>C. Alby-Averseng (France)</i>  |        |
| Prenatal diagnosis of hydromyelia: a case report  | P17.04 |
| <i>S. Wavrant (Canada)</i>  |        |
| Antenatal ultrasound diagnosis and management of congenital kyphoscoliosis and literature review                  | P17.05 |
| <i>A. Adeyemo (United Kingdom)</i>  |        |
| Prenatal diagnosis of kyphosis due to fused vertebra without evidence of diastematomyelia and postnatal follow-up | P17.06 |
| <i>I. Witters (Netherlands)</i>   |        |
| What is marker that will be used for first trimester screening of open spina bifida?                              | P17.07 |
| <i>S. Buyukkurt (Turkey)</i>  |        |
| Fetal ventriculomegaly  | P17.08 |
| <i>B. Mikulska (Poland)</i>   |        |
| Prenatal diagnosis of hemimegalencephaly and hydrops in a fetus with suspected tuberous sclerosis                 | P17.09 |
| <i>M. Debska (Poland)</i>   |        |
| Prenatal ultrasound diagnosis of lissencephaly associated with Miller-Dieker syndrome: a case report              | P17.10 |
| <i>M. Debska (Poland)</i>   |        |
| Vein of Galen aneurysm: prenatal diagnosis and management   | P17.11 |
| <i>L. Haakova (Czech Republic)</i>  |        |
| Prenatal diagnosis of hydranencephaly   | P17.12 |
| <i>R. Napolitano (United Kingdom)</i>   |        |
| Prenatal diagnosis of a cerebellar tumor: a case report   | P17.13 |
| <i>D. Deva (Romania)</i>  |        |
| Postnatal ultrasound visualization of the optic chiasm  | P17.14 |
| <i>C. Martinez-Payo (Spain)</i>   |        |
| A case of Meckel-Gruber syndrome: the evolution of the sonographic features from 8th to 13th gestational weeks    | P17.15 |
| <i>Z. Leibovitz (Israel)</i>  |        |

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### P18: Ultrasound in labour

- Maternal weight, Bishop score, and sonographically measured cervical length at 37 weeks' gestation for predicting the risk of intrapartum Cesarean delivery in parous women P18.01  
*K. Park (Republic of Korea)*
- Clinical efficacy of cervical length and volume for prediction of labor onset of VBAC candidate P18.02  
*G. Lee (Republic of Korea)*
- The fetal head-symphysis distance correlates well with fetal head perineum distance on three-dimensional intrapartum ultrasound P18.03  
*F. Lostritto (Italy)*
- The assessment of fetal head descent with intrapartum translabial ultrasonography for the safe forced delivery P18.04  
*S. Higuchi (Japan)*
- Persistent occipito-posterior position: outcomes following digital rotation. A pilot study P18.05  
*K. Graham (Australia)*
- Placenta percreta of the cervix: a case report P18.06  
*A. Jakab (Hungary)*
- The role of ultrasound in the diagnosis and management of rare complications of Caesarean section P18.07  
*Y. Sana (United Kingdom)*
- Haematometra and "floppy" uterus: powerful sonographic markers of severe post-Caesarean endometritis P18.08  
*S. Gabrielli (Italy)*
- Establishing the usefulness of sonographic biometric formulas for estimating fetus weight in the diabetic LGA and macrosomic pregnancies P18.09  
*J. Murlawska (Poland)*
- Assessment of the intra- and inter- observer reliability of placental vascularity using three-dimensional ultrasound and power Doppler angiography (3D-PDA) P18.10  
*A. Rossi (Italy)*
- Microbial invasion of the amniotic cavity as precursor of incompetent cervix P18.11  
*E. Bujold (Canada)*
- Use of 3D power Doppler ultrasound and VOCAL in cervix for the prediction of preterm delivery among women with threatened preterm labor P18.12  
*R. De Diego Burillo (Spain)*

### P19: Detection of malformations at the second trimester scan

- Isolated fetal ectropion at 21 weeks of gestation P19.01  
*D. Atanassova (Bulgaria)*
- Epignathus combined with cleft palate and bifid tongue: a case report P19.02  
*J. Shin (Republic of Korea)*
- No nuchal lymphangiomas(NNL): prenatal diagnosis and outcome P19.03  
*M. Herrera (Colombia)*
- A rare case of congenital lobar emphysema mimicing cystic adenomatoid malformation prenatally P19.04  
*E. Ugurlu (Turkey)*
- A rare case of infradiaphragmatic pulmonary sequestration P19.05  
*E. Ugurlu (Turkey)*
- Meckel Gruber syndrome: prenatal diagnosis and autopsy findings P19.06  
*M. Ozgun (Turkey)*
- In utero regression of omphalocele: a clinical report P19.07  
*T. Almeida (Portugal)*
- Antenatal diagnosis of midgut volvulus: using ultrasound and MRI P19.08  
*E. Mousty (France)*
- Fetal inguinal hernia: not always an isolated finding P19.09  
*S. Laifer-Narin (United States)*
- Prenatal imaging findings in cloacal extrophy P19.10  
*A. Kennedy (United States)*
- Ultrasound prenatal diagnosis of incomplete bladder duplication P19.11  
*F. Gámez (Spain)*
- Phimosis as a pathogenic factor of fetal obstructive uropathy: case report P19.12  
*A. Akhmadshchin (Russian Federation)*
- Prenatal diagnosis of congenital megalourethra with positive outcome P19.13  
*C. Martínez-Payo (Spain)*
- 3 case reports of Congenital Nephrotic Syndrome diagnosed in the second trimester in 3 non Finnish families P19.14  
*L. Daher (Lebanon)*
- A case of fetal intrapericardial teratoma associated with massive pericardial effusion P19.15  
*M. Morine (Japan)*
- Not all large neural tube defects have a poor prognosis: a case report of prenatally diagnosed limited dorsal myeloschisis P19.16  
*L. Salomon (France)*
- Rare case of multiple schisis associated defects in both twins in dichorionic pregnancy P19.17  
*M. Kutuk (Turkey)*
- Genotype-phenotype correlation of a 5q22.3 deletion associated with craniofacial and limb defects P19.18  
*I. Park (Republic of Korea)*
- The visualisation of the fetal ureter in normal fetuses and fetuses with mild pyelectasis P19.19  
*A. Gokmen Karasu (Turkey)*

### P20: Patient safety

- The influence of large uterine myoma on pregnancy outcome P20.01  
*G. Son (Republic of Korea)*
- Antenatal screening of placenta accrete P20.02  
*M. Juan (Spain)*
- Vaginal versus abdominal scan in detection vasa previa in a lot of 364 patients with placenta previa and low lying placenta P20.03  
*D. Deva (Romania)*
- Pregnancy complicated with cervical varix and low-lying placenta: a case report P20.04  
*Y. Kurihara (Japan)*

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| First, second and third trimester evaluation of uterine scar in a woman with prior Cesarean<br><i>S. Demers (Canada)</i>   | P20.05 |
| Abstract withdrawn   | P20.06 |
| The case for ultrasound guidance when introducing an intrauterine balloon to arrest uterine haemorrhage<br><i>S. Visvanathan (United Kingdom)</i>                        | P20.07 |
| Ultrasonographic findings among transferred intrauterine fetal loss<br><i>T. Kim (Republic of Korea)</i>   | P20.08 |
| Does nonmedical use of ultrasound give women better information and thereby relieve anxiety?<br><i>G. Falk (Sweden)</i>  | P20.09 |
| Do variations between axial and lateral calliper measurements affect calculation of gestational sac measurements in early pregnancy?<br><i>R. Axell (United Kingdom)</i> | P20.10 |
| How different ultrasound machine - transducer combinations affect early pregnancy calculations<br><i>R. Axell (United Kingdom)</i>                                       | P20.11 |
| Survey of third trimester obstetric ultrasound chart use in Australia and New Zealand 2011<br><i>E. McCarthy (Australia)</i>   | P20.12 |
| Pregnancy complicated by renal angiomyolipoma<br><i>K. Flood (United States)</i>   | P20.13 |

### P21: Circulatory dynamics and function in prenatal diagnosis of cardiac pathologies

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| Comparison of different ultrasound equipment for the evaluation of tissue Doppler parameters in fetuses<br><i>F. Crispi (Spain)</i>                             | P21.01 |
| Interrupted aortic arch in foetal live<br><i>J. Martinez-Moratalla Valcarcel (Spain)</i>  | P21.02 |
| Assessment of atrio-ventricular valve opening and closure time intervals in normal fetuses<br><i>N. Wada (Japan)</i>  | P21.03 |
| Idiopathic calcifications in the pulmonary artery and aorta detected by fetal ultrasound scan and echocardiography: a case report<br><i>M. Okumura (Brazil)</i> | P21.04 |
| V axial plane anomalies detected with cardiovascular system sonographic evaluation algorithm (CASSEAL)<br><i>C. Bravo (Spain)</i>                               | P21.05 |
| VI axial plane anomalies diagnosed with cardiovascular system sonographic evaluation algorithm (CASSEAL)<br><i>C. Bravo (Spain)</i>                             | P21.06 |
| Reference curve of the aortic valve area by multiplanar method and render mode by STIC: a preliminary study<br><i>A. Hatanaka (Brazil)</i>                      | P21.07 |
| Primary study of Doppler ultrasound in screening the congenital cardiac defects between 11+0 and 14+6 weeks' gestation<br><i>M. Qian (China)</i>                | P21.08 |
| Abstract withdrawn  | P21.09 |
| Comparison of multiplanar method and render mode in the measurements of the aortic valve by STIC: a preliminary study<br><i>A. Hatanaka (Brazil)</i>            | P21.10 |

### P22: Ovarian masses

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| Abstract withdrawn   | P22.01 |
| Ultrasound assessment of adnexal masses in a non-oncological gynaecological university unit<br><i>C. Lanzani (Italy)</i> | P22.02 |

### P23: Monochorionic multiples

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| Monochorionic twin pregnancies: outcome and management<br><i>M. Kollmann (Austria)</i>   | P23.01 |
| Natural course and perinatal outcome of monochorionic twin pregnancy<br><i>H. Ko (Republic of Korea)</i>   | P23.02 |
| Monochorionicity as a risk factor for neonatal outcome<br><i>A. Wieczorek (Poland)</i>   | P23.03 |
| The role of magnetic resonance imaging in high risk monochorionic diamniotic pregnancy<br><i>M. Taylor-Clarke (United Kingdom)</i>   | P23.04 |
| Fetal cardiac function in normal monochorionic twin pregnancy<br><i>L. Salomon (France)</i>  | P23.05 |
| Monochorionic twins with discordant congenital malformations<br><i>K. Flood (United States)</i>  | P23.06 |
| Unusual presentation of twin-to-twin transfusion syndrome (TTTS) in two suspected dichorionic pregnancies<br><i>T. Prior (United Kingdom)</i>  | P23.07 |
| Rapid progression of TTTS in cases with smaller recipient: a case series<br><i>B. Paek (United States)</i>   | P23.08 |
| Prenatally diagnosed spontaneous twin anemia-polycythemia sequence without twin-to-twin transfusion syndrome (TTTS): a case report<br><i>A. Makishi (Japan)</i>                                | P23.09 |
| Assessment of recipient twin cardiac function in twin pregnancy complicated by twin to twin transfusion syndrome by myocardial performance index<br><i>J. Kuran (Poland)</i>                   | P23.10 |
| Validity of referral diagnoses in twin-to-twin transfusion syndrome (TTTS)<br><i>D. Baud (Canada)</i>  | P23.11 |
| Fetal brain growth is maintained in survivors of co-twin demise in twin-twin transfusion syndrome: 3D MRI volume reconstruction of the fetal brain<br><i>M. Taylor-Clarke (United Kingdom)</i> | P23.12 |
| Abstract withdrawn   | P23.13 |
| Perinatal outcome and clinical features of a monochorionic monoamniotic twin gestation<br><i>M. Murata (Japan)</i>   | P23.14 |
| Monochorionic triamniotic triplet pregnancy complicated by twin reversed arterial perfusion (TRAP) sequence<br><i>J. Kuran (Poland)</i>  | P23.15 |

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| Type of cessation of vascular communication and prognosis for TRAP sequence<br><i>Y. Takahashi (Japan)</i>  | P23.16 |
| Chimerism in monozygotic twins after ICSI treatment<br><i>P. Hutsteiner (Germany)</i>   | P23.17 |
| <b>P24: Ultrasound in the third trimester and fetal surveillance case reports</b>   |        |
| A large umbilical cord pseudocyst manifesting ductus venosus Doppler abnormality: a case report<br><i>K. Kiyoshi (Japan)</i>  | P24.01 |
| Prenatal diagnosis of renal vein thrombosis<br><i>R. Has (Turkey)</i>   | P24.02 |
| Prenatal diagnosis of recto-uterine fistula: a case report<br><i>E. Codsí (Canada)</i>  | P24.03 |
| Isolated bilateral Coxsackie virus fetal hydrothorax treated with EXIT supported thoracocentesis<br><i>E. Pavlova (Bulgaria)</i>  | P24.04 |
| Goldenhar syndrome associated with Tessier No. 7: a case report<br><i>I. Martínez-Wallín (Spain)</i>  | P24.05 |
| Enlarged fetal thymus mimicking right-sided congenital diaphragmatic hernia<br><i>S. Miśta (Poland)</i>   | P24.06 |
| Placental tumor: what could it be?<br><i>N. Al Riyami (Oman)</i>  | P24.07 |
| An acute rise in placental alkaline phosphatase in the third trimester: comparison with five similar cases<br><i>M. Mongelli (Australia)</i>  | P24.08 |
| Congenital venous hemangioma: a case report<br><i>I. Martínez-Wallín (Spain)</i>  | P24.09 |
| A case of uterine rupture in the subsequent third trimester pregnancy after prior laparoscopic cornual resection<br><i>H. Park (Republic of Korea)</i>  | P24.10 |
| Abstract withdrawn  | P24.11 |
| Congenital ichthyosis (Harlequin fetus)<br><i>J. Cho (Republic of Korea)</i>  | P24.12 |
| Concomitant anorectal, urogenital, and müllerian anomalies mimicking persistent cloaca<br><i>H. Lee (Republic of Korea)</i>   | P24.13 |
| Fetal hamartoma of the chest wall: a case report<br><i>N. Moon (Republic of Korea)</i>  | P24.14 |
| Antenatal sonographic features of intestinal neuronal dysplasia type A associated with polydactyly and micromelia<br><i>N. Kim (Republic of Korea)</i>  | P24.15 |
| <b>P25: Malformations and chromosome abnormalities in the second trimester</b>  |        |
| The relevance study for fetal genetic soft marker, structural malformation and chromosomal abnormalities<br><i>Q. Wu (China)</i>  | P25.01 |
| Isolated aberrant right subclavian artery: a marker of trisomy 21<br><i>J. Martínez-Moratalla Valcarcel (Spain)</i>   | P25.02 |
| Effect of IVF/ICSI on second trimester screening markers<br><i>F. D'Antonio (Italy)</i>   | P25.03 |
| Prenatal diagnostic and outcome of hypoplastic umbilical artery<br><i>K. Yusupov (Russian Federation)</i>   | P25.04 |
| Type II single umbilical artery (persistent vitelline artery) in an otherwise normal fetus<br><i>F. Gámez (Spain)</i>   | P25.05 |
| Effectiveness of early second trimester ultrasonography in detecting fetal structural abnormalities in a low population<br><i>Y. Nieto Jimenez (Spain)</i>  | P25.06 |
| A single operator's experience with about ten thousand genetic invasive test<br><i>L. Rosignoli (Italy)</i>   | P25.07 |
| Abstract withdrawn  | P25.08 |
| Disclosure of fetal gender and maternal-fetal bonding<br><i>E. de Jong-Pleij (Netherlands)</i>  | P25.09 |
| Microdeletion and microduplication detection based on whole genome sequencing<br><i>L. Vogel (Denmark)</i>  | P25.10 |
| Prenatal diagnosis of Wolf-Hirschhorn syndrome (4p-) by 3D ultrasound<br><i>J. Byrne (United States)</i>  | P25.11 |
| Prenatal diagnosis of tetrasomy 18p<br><i>T. Wai (United Kingdom)</i>   | P25.12 |
| A case of absent radius in trisomy 18<br><i>H. Lee (Republic of Korea)</i>  | P25.13 |
| The utility of ultrasound examination in the prenatal diagnosis of a fetus with omphalocele, severe intrauterine growth restriction and mosaic trisomy 18 syndrome: case report<br><i>D. Albu (Romania)</i> | P25.14 |
| Prenatally diagnosed 14q interstitial deletion syndrome with a novel association with congenital diaphragmatic hernia<br><i>E. Sleurs (Belgium)</i>   | P25.15 |
| Correlation between abnormal karyotype 46,XY,del(12)(q24) and ultrasound findings in a fetus with a rare association of a multiple malformations: case report<br><i>D. Albu (Romania)</i>                   | P25.16 |
| Congenital chloride diarrhea<br><i>G. Lee (Republic of Korea)</i>   | P25.17 |
| Conjoined twins: case series<br><i>P. Nowak (Brazil)</i>  | P25.18 |
| Prenatal ultrasonographic diagnosis of fetal tuberous sclerosis complex<br><i>B. Cetinkaya Demir (Turkey)</i>   | P25.19 |



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## P26: Diagnosis methods for fetal heart anomalies

|   |        |
|---|--------|
| Aneurysms and diverticula of the fetal heart: a spectrum of findings<br><i>Z. Tian (United States)</i>  | P26.01 |
| Unroofed coronary sinus ASD mistaken as criss-cross heart<br><i>J. Har-Toov (Israel)</i>  | P26.02 |
| Ultrasound assessment of the fetal aberrant right subclavian artery (ARSA) in a coronal view<br><i>C. Bravo (Spain)</i>   | P26.03 |
| Spatio-temporal image correlation with B-flow and HD flow imaging in diagnosis of abnormalities of fetal veins system<br><i>J. Xu (China)</i>                               | P26.04 |
| The echocardiographic features in prenatal diagnosis of L-transposition of the great arteries (L-TGA): abnormal heart axis might be a clue?<br><i>K. Janiak (Poland)</i>    | P26.05 |
| Prenatal detection rate of congenital heart defects in a district general hospital<br><i>P. Sinha (United Kingdom)</i>  | P26.06 |
| Success of prenatal diagnosis of TAPVR/PAPVR in high and low risk patients<br><i>R. Olsen (United States)</i>   | P26.07 |
| Aberrant right subclavian artery (ARSA): its value in low-risk population<br><i>C. Martinez-Payo (Spain)</i>  | P26.08 |
| First and early second trimester fetal heart scanning<br><i>Y. Nieto Jimenez (Spain)</i>  | P26.09 |
| Prenatal diagnosis of right aortic arch (RAA): clinical experience in two Spanish hospitals<br><i>C. Martinez-Payo (Spain)</i>  | P26.10 |
| Modification based on lessons from actual practice in prenatal diagnosis of congenital heart disease by telemedicine and ultrasound with STIC<br><i>H. Fujisawa (Japan)</i> | P26.11 |
| Application of spatio-temporal image correlation in the diagnosis of complex heart malformations<br><i>Y. He (China)</i>  | P26.12 |
| Feasibility of first trimester fetal echocardiography in routine clinical work<br><i>A. Novakov Mikic (Serbia)</i>  | P26.13 |
| Prenatal detection of isolated congenital heart defects in the Wessex region UK (1994–2010)<br><i>R. Kuppusamy (United Kingdom)</i>   | P26.14 |
| STIC: the diagnostic value ajoutée<br><i>D. Markov (Bulgaria)</i>   | P26.15 |
| First trimester diagnosis of Pentalogy of Cantrell and hypercoiling of the umbilical cord<br><i>V. Gjørup (Denmark)</i>   | P26.16 |
| Echographic screening from first trimester of pregnancy and diagnostic of aberrant right subclavian artery<br><i>G. Iliev (Romania)</i>                                     | P26.17 |
| Online audit and feedback improve fetal second-trimester four-chamber view images: a randomized controlled trial<br><i>M. Dommergues (France)</i>                           | P26.18 |
| Idiopathic fetal dilated cardiomyopathy: case report<br><i>I. Dumitrascu (Romania)</i>  | P26.19 |

## P27: Imaging technology including MRI I

|  |        |
|--|--------|
| Alveolar ridge at 11–13 weeks screening: a 3D ultrasound study<br><i>C. Marginean (Romania)</i>  | P27.01 |
| 3D placental volume in the first trimester: intraobserver variability of different VOCAL techniques<br><i>K. Naver (Denmark)</i>   | P27.02 |
| Validity of first trimester 3D fetal anatomy assessment<br><i>S. Wavrant (Canada)</i>  | P27.03 |
| 3D ultrasound of the uterine body and cavity in women with secondary postpartum hemorrhage<br><i>J. Belachew (Sweden)</i>  | P27.04 |
| Quantification of renal vascularity by 3D-power Doppler ultrasonography in normal fetuses<br><i>R. Ruano (Brazil)</i>  | P27.05 |
| Auto-detection algorithm for low-lying placenta using 3-dimensional (3D) volume of the cervix<br><i>J. Yoo (Republic of Korea)</i>   | P27.06 |
| Assessing fetal fractional arm adipose tissue volume using 3D ultrasound: the importance of measuring perpendicular to the humerus<br><i>C. Knight (United Kingdom)</i>              | P27.07 |
| A new transvaginal ultrasound system using a probe equipped with a 3D-motion sensor; real-time auto-body marking system and its clinical significance<br><i>N. Shinozuka (Japan)</i> | P27.08 |
| A reference curve of fetal renal volume calculated by 3D-ultrasonography using the VOCAL- technique<br><i>A. Hindryckx (Belgium)</i>   | P27.09 |
| Nomograms of fetal kidney volumes measured by three-dimensional ultrasonography<br><i>R. Ruano (Brazil)</i>  | P27.10 |
| CTG recording storage using 2D bar code (QR code) digital expression; based on the proposal for MFER (Medical Waveform Format Encoding Rule)<br><i>N. Shinozuka (Japan)</i>          | P27.11 |
| Preliminary study of three-dimensional computed tomography in post-mortem fetal spinal and skeletal anomalies<br><i>L. Wang (China)</i>  | P27.12 |
| New approach for fetal larynx and pharynx biometry using 3DUS acquired images<br><i>G. Liberty (Israel)</i>  | P27.13 |
| Normal ranges of anterior bregma angle using three dimensional rendered mode - preliminary results<br><i>A. Hatanaka (Brazil)</i>  | P27.14 |
| An applied Volume NT and VOCAL for measurement of the fetal heart<br><i>R. Oyama (Japan)</i>   | P27.15 |

## Electronic poster stations

### P28: Imaging technology including MRI II

- The value of liver herniation volume as assessed by MRI in the prediction of outcome in fetal right congenital diaphragmatic hernia  
*A. Millischer (France)* P28.01
- Automated fetal biometry image landmark detection for confirming correct image planes: abdominal circumference  
*C. Knight (United Kingdom)* P28.02
- Prenatal diagnosis of fetal craniofacial and cervical anomalies by the combination of ultrasound and fetal magnetic resonance imaging  
*V. Frisova (Czech Republic)* P28.03
- MRI and Ultrasound fusion imaging for prenatal examination  
*L. Salomon (France)* P28.04
- Prenatal visualization of the pituitary gland using two and three-dimensional ultrasound imaging- comparison to prenatal MRI modality  
*E. Katorza (Israel)* P28.05
- Correlation between fetal ear position, analyzed by three-dimensional rendered mode sonography, and biometric parameters: preliminary results  
*A. Hatanaka (Brazil)* P28.06
- New frontiers in fetal imaging: MR-Ultrasonography Collaboration Team  
*E. Katorza (Israel)* P28.07
- Ultrasound assessment of placental/tissue involvement in morbidly adherent placenta  
*H. Wong (Australia)* P28.08
- Novel automatic method for measuring fetal arm adipose tissue in 2D ultrasound images across gestation  
*C. Knight (United Kingdom)* P28.09
- Do vascular events impact brain maturation of twin pregnancies complicated with twin-to-twin transfusion syndrome?  
*S. Bargy (France)* P28.10
- Portable ultrasound device in daily practice: how can it help?  
*L. Salomon (France)* P28.11
- Fetal volume in the first gestational trimester by three-dimensional ultrasonography: intra- and inter-observer reliability and agreement  
*W. Martins (Brazil)* P28.12
- Placenta accreta: ultrasound and MRI evaluation and following management during delivery  
*M. Verner (Czech Republic)* P28.13
- New perspective by HDlive imaging  
*L. Rosignoli (Italy)* P28.14
- Analysis of the fetal ear position with three-dimensional rendered mode using a new method, the ear index- preliminary results  
*A. Hatanaka (Brazil)* P28.15
- Pelvimetry by computed tomography for prediction of cephalopelvic disproportion  
*M. Yamamoto (Chile)* P28.16
- Sonoembryology: staging early pregnancy sonographic features for clinical application and research  
*H. Oviedo-Cruz (Mexico)* P28.17
- Malformations of the uterus and their impact on pregnancy outcome  
*D. Nowakowska (Poland)* P28.18
- Musculoskeletal discomfort among staff involved in obstetric ultrasound  
*R. Andreassen (Denmark)* P28.19
- Additional fetal magnetic resonance imaging (MRI) can be helpful in prenatal diagnosis of fetal anomalies  
*S. Lee (Republic of Korea)* P28.20
- Possibility of remote ultrasound diagnosis by comparison of two types of video conference system  
*M. Suzuki (Japan)* P28.21

### P29: Ultrasound in the third trimester and fetal surveillance I

- Fetal growth measures in women who are overweight and obese during pregnancy: a prospective cohort study  
*R. Grivell (Australia)* P29.01
- Sonographic weight estimation in fetuses with congenital diaphragmatic hernia  
*R. Schild (Germany)* P29.02
- Accuracy of ultrasound determined estimated fetal weight at term in a low risk population  
*T. Prior (United Kingdom)* P29.03
- Ultrasound (in)accuracy: it's in the formulae not in the technique: revisiting the accuracy of abdominal circumference measurement in term pregnancies  
*A. Welsh (Australia)* P29.04
- The influence of maternal BMI and gestational weight gain on fetal growth in women who are overweight and obese during pregnancy: a prospective cohort study  
*R. Grivell (Australia)* P29.05
- Fetal body composition in women who are overweight and obese during pregnancy: a prospective cohort study  
*R. Grivell (Australia)* P29.06
- Systematic review of methodology used in ultrasound studies aimed at creating charts of fetal size  
*C. Ioannou (United Kingdom)* P29.07
- Prediction of fetal macrosomia by measured fetal abdominal subcutaneous tissue thickness in term pregnancy  
*S. Pitukijronnakom (Thailand)* P29.08
- Fetal growth in women who are overweight and obese during pregnancy and clinical outcomes: a prospective cohort study  
*R. Grivell (Australia)* P29.09
- Accuracy of assessing fetal weight by ultrasound in clinically indicated cases: do we need to improve-an audit?  
*R. Rana (United Kingdom)* P29.10
- Human fetal body composition: effects of protective maternal dietary factors  
*K. Sumiyoshi (United States)* P29.11
- Neonatal anthropometry determinants of birth weight: search for best predictors  
*M. Yamamoto (Chile)* P29.12
- A simple method for calculation of the fetal femur volume in 3D ultrasound  
*C. Ioannou (United Kingdom)* P29.13
- The fetal BMI in ultrasound  
*A. Aabadli Kandri Rody (France)* P29.14
- 3/4D ultrasound and maternal-fetal bonding: second versus third trimester  
*E. de Jong-Pleij (Netherlands)* P29.15
- Fetal prognosis is associated with the onset of polyhydramnios  
*R. Nagai (Japan)* P29.16

## Electronic poster stations

|  |        |
|--|--------|
| The nasolabial dimensions of facial profile at 14–39 weeks of gestation in normal Korean fetuses<br><i>M. Kim (Republic of Korea)</i>  | P29.17 |
| The long term outcomes of pregnancies with a diagnosis of giant placenta chorioangioma<br><i>C. Iacovella (United Kingdom)</i>   | P29.18 |
| <b>P30: Ultrasound in the third trimester and fetal surveillance II</b>  |        |
| Maternal carotid wall thickness as a cardiovascular risk marker in early and late-onset pre-eclampsia<br><i>I. Stergiotou (Spain)</i>  | P30.01 |
| Measurement of fetal urine production rate by 3D ultrasound in term fetuses with oligohydramnios<br><i>H. Hong (Republic of Korea)</i>   | P30.02 |
| Fetal meconiumperitonitis: common and uncommon antenatal findings<br><i>J. Weichert (Germany)</i>  | P30.03 |
| Cervix assessment at the beginning of labour induction: agreement of ultrasound length and Bishop score in the hands of first-year residents<br><i>D. Oros (Spain)</i>                             | P30.04 |
| 3D ultrasonography using VOCAL for estimation of reference range of first trimester fetal volume<br><i>H. Gaafar (Egypt)</i>   | P30.05 |
| Intrapartum translabial sonography: a prospective analysis of various methods to predict the mode of delivery in prolonged second stage of labor<br><i>Y. Gilboa (Israel)</i>                      | P30.06 |
| Predicting gastroschisis perinatal outcome from antenatal characteristics<br><i>G. Martillotti (Canada)</i>  | P30.07 |
| Clinical outcomes in focal versus diffuse placenta accreta, and the influence of balloon iliac occlusion<br><i>R. McEwing (New Zealand)</i>  | P30.08 |
| Correlation between STIC Power Doppler impedance indices from spherical samples of the placenta and conventional umbilical artery Doppler indices in normal pregnancies<br><i>A. Rossi (Italy)</i> | P30.09 |
| Factors associated with the location of uterine scar defect in women with previous low-transverse Cesarean<br><i>E. Bujold (Canada)</i>  | P30.10 |
| Ultrasound assessment of cervical length in labour induction: prediction of maternal and perinatal outcome<br><i>D. Oros (Spain)</i>   | P30.11 |
| Perinatal outcome in gastroschisis based on prespecified antenatal ultrasound findings<br><i>D. Fotiou (United Kingdom)</i>  | P30.12 |
| A prospective longitudinal ultrasound study of the fetal small bowel and colon diameters<br><i>C. Lap (Netherlands)</i>  | P30.13 |
| The role of prenatal ultrasound and MRI in the prenatal diagnosis of CHARGE: a single centre prenatal series of 10 cases of CHD7 mutated fetuses<br><i>C. Alby-Averseng (France)</i>               | P30.14 |
| Caput succedaneum thickness in prolonged second stage of labor: a clinical evaluation<br><i>Y. Gilboa (Israel)</i>   | P30.15 |
| Stomach herniation predicts non-reassuring fetal status in fetal gastroschisis<br><i>E. Kanda (Japan)</i>  | P30.16 |
| No association of postnatal gastroesophageic reflux and prenatal third trimester amniotic fluid index<br><i>M. Yamamoto (Chile)</i>  | P30.17 |
| Ureterocele: antenatal diagnosis and management<br><i>A. Alves (Portugal)</i>  | P30.18 |
| Frequency and spectrum of fetal anomalies diagnosed in the third trimester<br><i>J. Lee (Republic of Korea)</i>  | P30.19 |
| Cervical length in women undergoing induction with balloon catheter device<br><i>R. Hershkovitz (Israel)</i>   | P30.20 |
| Prenatal and pathologic evaluation of fetal congenital pulmonary airway malformations<br><i>M. Sumie (Japan)</i>   | P30.21 |
| The head progression distance measured by trans-perineal ultrasound in prolonged 2nd stage of labor: its role in predicting mode of delivery<br><i>Y. Gilboa (Israel)</i>                          | P30.22 |
| Perinatal outcome after ultrasound prenatal diagnosis of umbilical vein varix<br><i>C. Bravo (Spain)</i>   | P30.23 |
| Flow cytometry as a diagnostic tool in assessing fetal anemia caused by fetomaternal hemorrhage<br><i>M. Debska (Poland)</i>   | P30.24 |
| Dynamic fetal bladder assessment in second and third trimester ultrasound<br><i>G. Chalouhi (France)</i>   | P30.25 |
| <b>P31: Skeletal and placental abnormalities</b>   |        |
| Postnatal follow-up of a case with proximal focal femur deficiency<br><i>M. Yamamoto (Chile)</i>   | P31.01 |
| Ultrasonic imaging of the conus medullaris tip position variation in fetus<br><i>K. Bei (China)</i>  | P31.02 |
| Recurrence of campomelic dysplasia in two families<br><i>J. Byrne (United States)</i>  | P31.03 |
| Antenatal diagnosis of Fraser syndrome without cryptophthalmos at 18 weeks<br><i>B. Cetinkaya Demir (Turkey)</i>   | P31.04 |
| Monochorionic diamniotic twins discordant for idiopathic infantile arterial calcification<br><i>J. Byrne (United States)</i>   | P31.05 |
| Fetal renal vein thrombosis and reversible hydrops fetalis<br><i>M. Small (United States)</i>  | P31.06 |
| Fetus with congenital syphilis complicated with congenital knee dislocation<br><i>C. Chen (Taiwan)</i>   | P31.07 |
| When it looks like a mole but it's not a mole: placental mesenchymal dysplasia (PMD) and subsequent pregnancy outcomes<br><i>U. Nayeri (United States)</i>   | P31.08 |
| Placental mesenchymal dysplasia: report of two cases<br><i>H. Aslan (Turkey)</i>   | P31.09 |





## Electronic poster stations

|   |        |
|---|--------|
| Chorioamniotic membrane separation in patient diagnosed with epidermolysis bullosa-pyloric atresia syndrome<br><i>B. Cetinkaya Demir (Turkey)</i>   | P31.10 |
| Complete hydatidiform mole and normal live birth: placental mosaicism or twin with CHM?<br><i>P. Sinha (United Kingdom)</i>   | P31.11 |
| Feasibility of three-dimensional reconstruction and automated measurement of fetal long bones using auto Long Bone™<br><i>B. Yun (Republic of Korea)</i>  | P31.12 |
| <b>P32: The cervix in pregnancy and at term</b>   |        |
| Linear vs. traced measurement of the cervix at 22–24 weeks gestation: does it make a difference?<br><i>J. Carrillo (Chile)</i>  | P32.01 |
| Validation study of endocervical length measurements at first trimester<br><i>D. Tan (Singapore)</i>  | P32.02 |
| Reference range and change of endocervical length throughout pregnancy<br><i>X. Zhang (Singapore)</i>   | P32.03 |
| Development of techniques to allow semi-quantitative measurement of stiffness of the human cervix using transvaginal ultrasound elastography<br><i>M. Donnelly (United States)</i>  | P32.04 |
| Ultrasound monitoring of treatment efficiency in isthmico-cervical incompetence<br><i>Y. Ruban (Ukraine)</i>  | P32.05 |
| Cervical cerclage for prevention of preterm birth: review of 18 cases<br><i>J. Rego (Portugal)</i>  | P32.06 |
| Ultrasound elastography in normal pregnant cervixes versus those with cerclage in place<br><i>M. Donnelly (United States)</i>   | P32.07 |
| Feasibility and clinical effects of laparoscopic abdominal cerclage: an observational study<br><i>O. Petersen (Denmark)</i>   | P32.08 |
| Sonography cervical surveillance with ultrasound-indicated cervical cerclage as compared to prophylactic cerclage in pregnant with clinical risk factors for preterm birth<br><i>F. Moretti (Canada)</i>                            | P32.09 |
| Abstract withdrawn  | P32.10 |
| Reporting cervical effacement as a percentage: is it time for a change?<br><i>R. Malapati (United States)</i>   | P32.11 |
| Elastography assessment of the uterine cervix in predicting preterm delivery<br><i>S. Wozniak (Poland)</i>  | P32.12 |
| Comparison of transvaginal (TVS) and transperineal sonography (TPS) in measurement of cervical length and predicting preterm delivery<br><i>H. Vafaee (Islamic Republic of Iran)</i>  | P32.13 |
| Abstract withdrawn  | P32.14 |
| The efficacy of measuring a difference of cervical length for prediction of preterm delivery<br><i>L. Young (Republic of Korea)</i>   | P32.15 |
| <b>P33: Imaging technology including MRI case reports</b>   |        |
| Corticoreistant, hemodynamically significant, severe AV malformation with Kasabach: Meritt syndrome hemangioma<br><i>R. Vlk (Czech Republic)</i>  | P33.01 |
| The case of the mysterious myometrium<br><i>A. Kennedy (United States)</i>  | P33.02 |
| Nonimmune hydrops fetalis secondary to large bilateral simple renal cyst<br><i>H. Aslan (Turkey)</i>  | P33.03 |
| Importance of antenatal MRI in the diagnosis of curarino syndrome in a familial case<br><i>L. Salomon (France)</i>  | P33.04 |
| Imaging a complete hydatiforme mole, previa lying and co-existing normal fetus<br><i>I. Krabbendam (Netherlands)</i>  | P33.05 |
| Prenatal diagnosis of a liver cavernous haemangioma<br><i>O. Dural (Turkey)</i>   | P33.06 |
| Ultrasound diagnoses of a rupturing iliac artery aneurism during second trimester<br><i>L. Thagaard (Denmark)</i>   | P33.07 |
| A case of complete tracheal agenesis and bilateral diaphragmatic agenesis: use of fetal MRI to diagnose this rare combination<br><i>S. Mann (United States)</i>   | P33.08 |
| The importance of imaging in a successful pregnancy complicated by Klippel-Trenaunay-Weber syndrome: case report<br><i>F. Moretti (Canada)</i>  | P33.09 |
| Prenatal ultrasound symptoms of mucopolipidosis II in two consecutive pregnancies<br><i>I. Vlasinova (Czech Republic)</i>   | P33.10 |
| Role of prenatal sonography and MRI imaging in detecting agenesis of lung in familial history of thoracic malformations<br><i>N. Gupta (India)</i>  | P33.11 |
| Prenatal ultrasound diagnosis of craniosynostosis with volume contrast imaging (VCI-C)<br><i>I. Vlasinova (Czech Republic)</i>  | P33.12 |
| The use of ultrasound in conservative management of a case of morbidly adherent placenta<br><i>H. Wong (Australia)</i>  | P33.13 |
| Cytomegalovirus infection in pregnancy<br><i>J. Rego (Portugal)</i>   | P33.14 |
| Myelomeningocele and Willis polygon thrombosis: the importance of ultrasound and MRI as diagnostic tools - two clinical reports<br><i>D. Ramada (Portugal)</i>  | P33.15 |
| Combined transabdominal 3D and 3D/4D transvaginal power Doppler to determine placenta increta and exclusion of bladder invasion - a case report<br>North West London Hospitals NHS Trust, UK<br><i>H. Samarage (United Kingdom)</i> | P33.16 |
| Prenatal diagnosis of sporadic Apert syndrome with ultrasound and 3D helical computerized tomography<br><i>C. Hsieh (Taiwan)</i>  | P33.17 |
| Spontaneous rupture of an unscarred uterus in second trimester: a case report<br><i>S. Nakayama (Japan)</i>   | P33.18 |








## Exhibition & sponsorship

### Satellite symposia

| Room    | Sunday 9 September   | Monday 10 September  | Tuesday 11 September  | Wednesday 12 September   |
|---------|--|--|---|--|
| Hall A1 | <br>SAMSUNG MEDISON<br>Satellite symposium<br>13:00 – 14:00 |  GE imagination at work<br>Satellite symposium<br>13:00 – 14:00 | <br>TOSHIBA<br>Leading Innovation >>><br>Satellite symposium<br>13:00 – 14:00 | <br>PHILIPS<br>Satellite symposium<br>13:00 – 14:00 |

### Hospitality suites

| Room                          | Sunday 9 September   | Monday 10 September | Tuesday 11 September  | Wednesday 12 September |
|-------------------------------|--|---------------------|---|------------------------|
| M1–4 (ground floor)           |  GE imagination at work  |                     | VolusonClub lounge & hospitality suite  |                        |
| M5–6 (ground floor)           |  |                     |  GE imagination at work<br>Meet the Experts hospitality suite |                        |
| Meeting Room 20 (first floor) | <br>SAMSUNG MEDISON<br>Hospitality & demonstration sessions                   |                     |   |                        |
| Bella Vista 5 (first floor)   | <br>TOSHIBA<br>Leading Innovation >>><br>Hospitality & demonstration sessions |                     |   |                        |
| Bella Vista 2 (first floor)   |  |                     | <br>ZONARE<br>Hospitality & demonstration sessions             |                        |

### Exhibition opening times

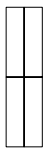
| Room                           | Sunday 9 September | Monday 10 September | Tuesday 11 September | Wednesday 12 September |
|--------------------------------|--------------------|---------------------|----------------------|------------------------|
| Exhibition hall (ground floor) | 10:00 – 20:00      | 10:00 – 16:30       | 10:00 – 16:30        | 10:00 – 16:30          |

# Exhibitor floor plans

**Key:**



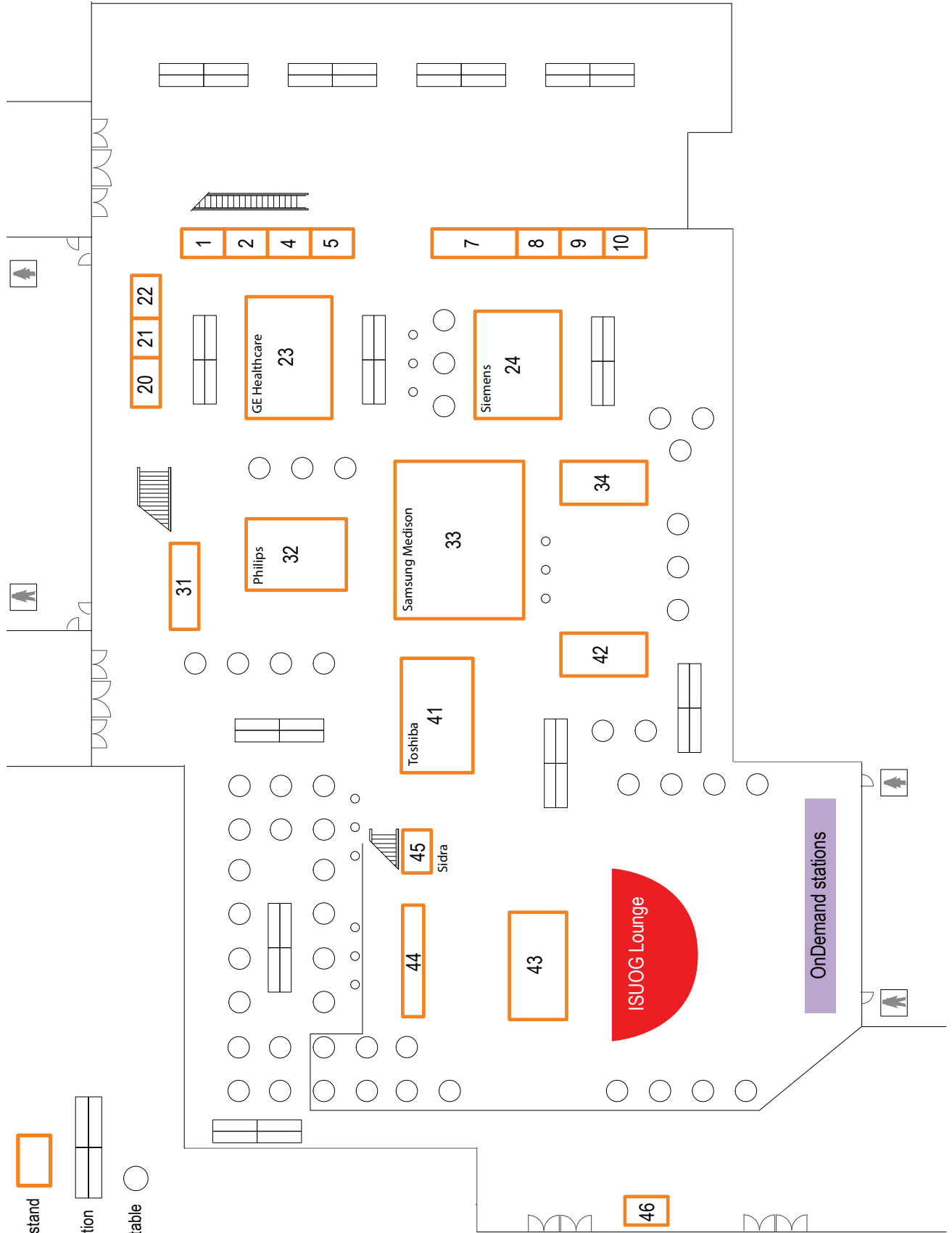
Exhibitor stand



Buffet station



Catering table






# Exhibitor listing

| Company  | Stand no.                     |
|--|-------------------------------|
| astraira software gmbh                             | 8                             |
| CAE Healthcare                                     | 1                             |
| ContextVision                                      | 22                            |
| Cook Medical                                       | 5                             |
| Future meetings                                    | 46                            |
| GE Healthcare                                      | 23                            |
| Hitachi Medical Systems - Hitachi Aloka            | 43                            |
| IQ Medical Ventures                                | 21                            |
| ISUOG  | ISUOG Lounge, exhibition hall |
| Jaypee Brothers Medical Publishers (P) LTD.        | 20                            |
| Karl Storz   | 10                            |
| Medaphor Ltd                                       | 4                             |
| MIDES GmbH   | 2                             |
| PerkinElmer, Inc.                                  | 42                            |
| Philips  | 32                            |
| Samsung Medison Co., Ltd                           | 33                            |
| Shenzhen Mindray Bio-Medical Electronics Co., Ltd. | 34                            |
| Sidra Medical and Research Center                  | 45                            |
| Siemens AG Healthcare Sector                       | 24                            |
| Toshiba Medical Systems                            | 41                            |
| Trig Medical                                       | 9                             |
| Ultrasound Manager Ltd.                            | 31                            |
| Wiley Blackwell                                    | ISUOG lounge, exhibition hall |
| Wisepress  | 44                            |
| ZONARE Medical Systems                             | 7                             |



# Hospitality suites

| Room  | Sunday 9 September  | Monday 10 September  | Tuesday 11 September  | Wednesday 12 September  |
|---|---|--|---|---|
|  <b>GE imagination at work</b> |   |  |   |   |
| M1-4<br>(ground floor)  | <b>VolusonClub lounge &amp; hospitality suite</b><br>Visit VolusonClub and hospitality suite to experience today's Voluson and Viewpoint innovations, and learn how Voluson technology can help you address clinical challenges. You can attend educational seminars and see the latest enhancements on Voluson products and Viewpoint. GE Voluson customers are also invited to attend the VolusonClub where you can relax, browse the internet, network with colleagues and discover new aspects in ultrasound. |  |   |   |
| M5-6<br>(ground floor)  |   |  | <b>Meet the Experts</b><br>10:30-11:00 Fetal Doppler with special focus on heart - tips and tricks<br><i>R. Chaoui (Germany)</i><br>12:45-13:30 HDlive, fetal heart tips and tricks (live scanning)<br><i>B. Benoit (France)</i><br>15:30-16:00 Fetal brain imaging (live scanning)<br><i>R. Pooh (Japan)</i> | <b>Meet the Experts</b><br>10:30-11:00 TBD<br>12:45-13:15 Ultrasound of the fetal brain and spine<br><i>G. Pilu (Italy)</i> |
| <br><b>SAMSUNG MEDISON</b>     |   |  |   |   |
| Meeting Room 20<br>(first floor)  | <b>3D ultrasound for diagnosis</b><br>10:30-11:00 Volume NT/IT/RNT protocol (hands-on focused)<br><i>W. Sepulveda (Chile)</i><br>15:15-15:45 FRV for fetal anatomy (hands-on focused)<br><i>M. Momtaz (Egypt)</i>   | <b>Fetal echocardiography</b><br>10:30-11:00 Basic fetal echo with DPDI (hands-on focused)<br><i>R. Bataeva (Russia)</i><br>15:30-16:00 Fetal echo in 3D/4D (PC training)<br><i>R. Bataeva (Russia)</i>  | <b>Special seminars</b><br>10:30-11:00 E-motion marker: clinical application<br><i>N. Shinozuka (Japan)</i><br>15:30-16:00 3D ultrasound in Ob/Gyn (Spanish session)<br><i>D. Cafici (Argentina)</i>  |   |
| <b>TOSHIBA</b><br><b>Leading Innovation &gt;&gt;&gt;</b>  |   |  |   |   |
| Bella Vista 5<br>(first floor)  | 12:45-13:15 Management of fetal growth restrictions<br><i>A. Papageorgiou (UK)</i><br>15:15-15:45 New developments in the first trimester scan<br><i>C. Bilardo (Netherlands)</i>   | 12:45-13:30 Plea for a precise neuro-anatomical landmark to improve your routine second and third trimester fetal ultrasound<br><i>L. Guibaud (France)</i><br>15:30-16:00 2D sonographic evaluation of fetal orofacial clefts<br><i>L. Wilhelm (Germany)</i> | 10:30-11:00 First trimester malformation scan<br><i>P. Calda (Czech Republic)</i><br>15:30-16:00 Tips and tricks for better imaging in the daily routine<br><i>A. Nonnenmacher (Germany)</i>  |   |
|                              |   |  |   |   |
| Bella Vista 2<br>(first floor)  |   | <b>Hospitality &amp; demonstration sessions</b><br>A glimpse into the future of ultrasound<br>Please make an appointment at the ZONARE booth.  |   |   |

# Satellite symposia

| Room    | Sunday 9 September  | Monday 10 September  | Tuesday 11 September  | Wednesday 12 September  |
|---------|---|--|---|---|
| Hall A1 |  <p>Satellite symposium<br/><b>13:00 – 14:00</b></p>   |  GE imagination at work <p>Satellite symposium<br/><b>13:00 – 14:00</b></p>   |  <p>Satellite symposium<br/><b>13:00 – 14:00</b></p>  |  <p>Satellite symposium<br/><b>13:00 – 14:00</b></p>   |
|         | <p><b>3D ultrasound for diagnosis and 5D ART</b></p> <p>13:00–13:05<br/>Opening speech<br/>Samsung Medison</p> <p>13:05–13:25<br/>Volume NT/IT/RNT protocol<br/><i>W. Sepulveda (Chile)</i></p> <p>13:25–13:45<br/>FRV for fetal anatomy<br/><i>M. Momtaz (Egypt)</i></p> <p>13:45–13:55<br/>Introduction to 5D ART</p> | <p><b>Extraordinary vision</b></p> <p>Intelligent navigation: a novel approach to fetal echocardiography<br/><i>R. Romero (USA)</i></p> <p>Cardiovascular system of the fetus<br/><i>R. Chaoui (Germany)</i></p> <p>HDlive – a new perspective<br/><i>B. Benoit (France)</i></p> | <p><b>A focus on the detail – new tools in Ob/Gyn imaging</b></p> <p><i>Chair: C. Bilardo (Netherlands)</i></p> <p>Fetal anomaly screening – a closer look behind the obvious<br/><i>L. Wilhelm (Germany)</i></p> <p>Sonographic assessment of fetal cardiac function – established and novel techniques<br/><i>R. Axt-Fliedner (Germany)</i></p> <p>Advances in transvaginal scanning modalities and their clinical application<br/><i>B. Smith (UK)</i></p> | <p><b>Simplifying your clinical routine – no longer wishful thinking</b></p> <p>One transducer for every clinical problem?<br/><i>C. Berg (Germany)</i></p> <p>Advances in fetal cardiac screening<br/><i>W. Lee (USA)</i></p> <p>Adding efficiency to your diagnostic certainty – how real is it in your daily practice?<br/><i>K. Kalache (Germany)</i></p> |

Thank you to the following sponsors for their grants to support our ISUOG social events:

**Welcome reception** (complimentary to all registered delegates, accompanying persons and exhibitors)

This year's welcome reception will take place in the exhibition hall at 18:15 on Sunday 9 September.

Supported by:



**Congress party** (pre-booked tickets only)

Join us for drinks and a delicious buffet dinner at Toldboden, an environmentally friendly restaurant located by the waterfront and offering fantastic views of the harbour.

Supported by:



**SAMSUNG MEDISON**



Tuesday 11 September 2012, 19:30 – Late  
 Nordre Toldbod 24, 1259 Copenhagen  
 €102 (including full buffet dinner, drinks and DJ)  
 Dress code: smart casual



## Exhibitor profiles

### **astraira software gmbh**

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 F: +49 89 127 1147 17  
 C: *Roland Denk*  
 E: [sales@astraira.com](mailto:sales@astraira.com)  
 W: [www.astraira.com](http://www.astraira.com)

**Stand no: 8**

astraira is a market leader and pioneer in obstetric and gynecological database applications. Founded in 2000, its headquarters are in Munich, Germany, with a dedicated team of 25 employees as well as local sales partners, supporting more than 1,000 customers worldwide. astraira offers high-end solutions that are up-to-date with the latest scientific data, a highly optimised work-flow and flexible approach. astraira has been translated into more than 20 languages and is available in several regional configurations.

### **CAE Healthcare**

6300 Edgelake Drive, Sarasota, 34240, USA  
 T: +1 941 377 5562  
 C: *Diane Noyes*  
 W: [www.caehealthcare.com](http://www.caehealthcare.com)

**Stand no: 1**

CAE Healthcare delivers leading-edge simulation training solutions to hospitals, physicians, nurses, students, emergency responders and the military around the world. Each product is developed in partnership with clinicians and clinical educators whose aim is to ensure physiological accuracy and educational relevance. Visit the CAE Healthcare booth to learn about our advanced patient, imaging and surgical simulators, including iStan, CAE Caesar, CAE VIMEDIX and CAE CathLabVR. Ask about our evidence-based curriculum and LearningSpace center management solution.

### **ContextVision**

Kungsgatan 50, 111 35 Stockholm, Sweden  
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 F: +46 8 750 54 94  
 C: *Taraneh Foroughi*  
 E: [info@contextvision.se](mailto:info@contextvision.se)  
 W: [www.contextvision.com](http://www.contextvision.com)

**Stand no: 22**

ContextVision is a leading provider of image enhancement software to the global medical imaging industry since 1983, with the versatile GOP® technology at its core. We play a key role in helping manufacturers by offering clinicians unparalleled diagnostic image quality, ultimately providing patients with better care. ContextVision continues to offer the latest software and expertise within ultrasound, x-ray, magnetic resonance imaging, mammography, fluoroscopy and computed tomography. Our groundbreaking technology and lengthy expertise have granted us a pioneer position within 2D/3D/4D image enhancement across multiple modalities. For more information, please visit [www.contextvision.com](http://www.contextvision.com).



### **Cook Medical**

O'Halloran Road, National Technology Park, Limerick, Ireland  
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 F: +35 3 61 23 9227  
 C: *Olin Emmanuel*  
 E: [olin.emmanuel@cookmedical.com](mailto:olin.emmanuel@cookmedical.com)  
 W: [www.cookARTlab.com](http://www.cookARTlab.com)

**Stand no: 5**

Expert Resources – All In One Place  
 One of only a few programs worldwide to offer comprehensive prenatal diagnosis, fetal therapy – including open fetal surgery for spina bifida – postnatal treatment and the option of delivering at a leading pediatric hospital. For over 15 years, we have been a beacon of hope and expertise for more than 10,000 families facing the impact of a prenatally diagnosed birth defect. Our abiding goal: the best outcome for both mother and baby. Hope lives here.

### **GE Healthcare**

Beethovenstrasse 239, 42665 Solingen, Germany  
 T: +49 212 2802 0  
 F: +49 212 280 228  
 C: *Martina Emde*  
 W: [www.gehealthcare.com](http://www.gehealthcare.com)

**Stand no: 23**



GE Healthcare provides transformational medical technologies that will shape a new age of patient care. GE Healthcare's expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, disease research, drug discovery and biopharmaceuticals is dedicated to detecting disease earlier and tailoring treatment for individual patients. GE Healthcare offers a broad range of services to improve productivity in healthcare and enable healthcare providers to better diagnose, treat and manage patients. For more information, visit [www.gehealthcare.com](http://www.gehealthcare.com).

### **Hitachi Medical Systems – Hitachi Aloka**

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 F: +41 41 748 63 32  
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 E: [welcome@hitachi-medical-systems.com](mailto:welcome@hitachi-medical-systems.com)  
 W: [www.hitachi-medical-systems.com](http://www.hitachi-medical-systems.com)

**Stand no: 43**

Aloka Co. Ltd in March 2011 became a subsidiary of Hitachi Medical Corporation, followed by a corporate name change to Hitachi Aloka Medical in April 2011. Hitachi Medical Systems Europe is the European headquarters of Hitachi Medical Corporation and Hitachi Aloka Medical Ltd. Japan and presents its combined Hitachi Aloka ultrasound system range. Discover our extensive image solution in Women's Health and visit us at booth no 43 and during our live scanning demo session.

### **IQ Medical Ventures**

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 F: +31 15 890 1777  
 C: *Leo Van Der Hoek*  
 E: [vanderhoek@iq-medicalventures.com](mailto:vanderhoek@iq-medicalventures.com)  
 W: [www.iq-medicalventures.com](http://www.iq-medicalventures.com)

**Stand no: 21**

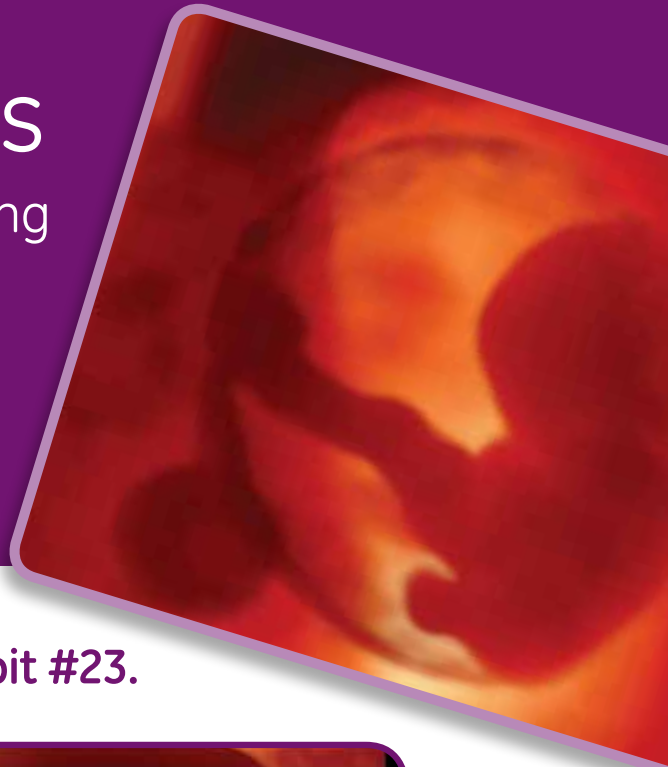
IQ Medical Ventures B.V. is a medical device revolving incubator. We develop bright ideas from physicians into simple products for the daily practice. IQ Medical Ventures strives to make life more easy for both the patient and the physician. Through its product subsidiary it markets three products in the field of gynecological imaging. The basis is our gel: ExEm®.

GE Healthcare

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*HDlive* – Voluson history in the making

Built on the Voluson\* legacy, *HDlive* is an extraordinary rendering method generating amazing realistic images of the human fetus to help enhance diagnostic confidence.



To find out more, please visit us in exhibit #23.



To see more images of *HDlive* please visit [gehealthcare.com/hdlive](http://gehealthcare.com/hdlive).



GE imagination at work

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## Exhibitor profiles

### ISUOG

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 W: [www.isuog.org](http://www.isuog.org)

### ISUOG Lounge



With 6300 members in 124 countries, ISUOG is the leading society in ultrasound in obstetrics and gynecology. All fully paid delegates are enrolled as members of ISUOG and can immediately access our many member benefits including OnDemand (our Congress web portal) and over 350 web lectures. Reduced fees to attend our 2013 World Congress in Sydney, Australia (6-9 October 2013) also apply! Visit the ISUOG lounge to find out more about membership and collect a sample of our latest Journal (while stocks last).

### Jaypee Brothers Medical Publishers (P) Ltd

4838/24, Ansari Road, Daryaganj, Delhi 110 002, India  
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 E: [jaypee@jaypeebrothers.com](mailto:jaypee@jaypeebrothers.com)  
 W: [www.jaypeebrothers.com](http://www.jaypeebrothers.com)

Stand no: 20

JAYPEE produces and distributes scientific material in all health sciences. Our products include books, journals, DVD, continuous medical education literature, video atlases and E-books. We cater to the needs of undergraduate and postgraduate medical students, general practitioners and specialists, medical institutions and hospitals. We have so far published over 2500 titles in various disciplines, mainly English. Our many titles have been translated in languages like Spanish, Portuguese, Serbian, Turkish, Chinese, Arabic, Swedish and Romanian.

### Karl Storz

Mittelstrasse 8, 78532, Tuttlingen, Germany  
 T: +49 7461 7080  
 F: +49 7461 708 377  
 C: *Sigrid Lanzillotti*  
 E: [info@karlstorz.com](mailto:info@karlstorz.com)  
 W: [www.karlstorz.com](http://www.karlstorz.com)

Stand no: 10

KARL STORZ is one of the world's leading suppliers of endoscopes and endoscopic equipment for all fields of application. In more than 67 years of resounding market presence, the company with its headquarters in Tuttlingen (Germany) has evolved into a manufacturer known and appreciated worldwide for its quality and product innovations. A total of 5,800 employees in 50 subsidiaries worldwide cooperate with leading surgeons, university hospitals and research institutes to fulfill the needs of medical practice.

### MedaPhor Ltd

The Medicentre, Heath, Cardiff, Wales, CF14 4UJ, UK  
 T: +44 (0) 29 2075 6534  
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 E: [sales@medaphor.com](mailto:sales@medaphor.com)  
 W: [www.medaphor.com](http://www.medaphor.com)

Stand no: 4

ScanTrainer is a 24/7 virtual reality ultrasound training simulator, which combines 'real-feel' haptic simulation with real patient scans and curriculum-based interactive learning. ScanTrainer's self-directed learning removes the requirement for patients to learn on and minimises an expert's direct supervision, making the system both resource efficient and cost effective. The system comes with integrated OBGYN core skills training modules and a range of pathology based advanced skills modules are diagnostic case studies for the experienced practitioner are also available.

### MIDES GmbH

Weinholdstrasse 33, 8010 Graz, Austria  
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 F: +43 316 42 6500 3  
 C: *Dr Hannes Fliesser*  
 E: [vs@mides.com](mailto:vs@mides.com)  
 W: [www.mides.com](http://www.mides.com)

Stand no: 2

Mides is the leading European service provider for medical ultrasound systems and is the specialist for the repair of ultrasound probes, standard and TEE probes. Over 20 years of experience make it possible to repair, cost-effectively, electronic, mechanical and other defects. With headquarter in Graz/Austria and currently 60 employees, Mides exports his equipment to over 40 countries worldwide. In addition MIDES is certified to ISO 9001 and ISO 13485.

### PerkinElmer, Inc.

Wallac Oy, Mustionkatu 6, 20750 Turku, Finland  
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 C: *Tarja Ahola*  
 E: [tarja.ahola@perkinelmer.com](mailto:tarja.ahola@perkinelmer.com)  
 W: [www.perkinelmer.com](http://www.perkinelmer.com)

Stand no: 42

PerkinElmer is a global company focused on improving the health and safety of people and their environment. The company supplies complete product solutions for 1<sup>st</sup> and 2<sup>nd</sup> trimester aneuploidy screening, including serum-based or dried blood spot-based assays, instrumentation and informatics. For faster and more comprehensive prenatal diagnosis Prenatal BoBs™ is a bead-based multiplex assay designed to detect aneuploidies of chromosomes 13, 18, 21, X and Y, as well as copy number changes in 9 microdeletion syndrome regions. As a pioneer in pre-eclampsia early prediction, PerkinElmer offers a 1<sup>st</sup> trimester PIGF screening assay, available on existing aneuploidy screening platforms, together with Pre-eclampsia Predictor™ informatics.

### Philips

Hewlett-Packard-Str. 2, 71034, Boeblingen, Germany  
 T: +49 7031 463 0  
 C: *Dolores Cantelli*  
 E: [dolores.cantelli@philips.com](mailto:dolores.cantelli@philips.com)  
 W: [www.philips.com/healthcare](http://www.philips.com/healthcare)

Stand no: 32

Philips is one of the world's leading healthcare technology companies. We are committed to understanding the technological and human needs of patients and caregivers and to delivering solutions that enable more confident diagnoses, more efficient delivery of care, and more positive user experiences. People focused. Healthcare simplified. Visit us at booth 32.

### Samsung Medison Co., Ltd

Samsung Medison Bldg, 42, Teheran-ro 108-gil, Gangnam-gu, Seoul, Korea  
 T: +82 2 2194 1000  
 F: +82 2 2194 1028  
 W: [www.samsungmedison.com](http://www.samsungmedison.com)

Stand no: 33

SAMSUNG MEDISON


Samsung Medison is an affiliate of the elite global company, Samsung Electronics. Medison, with its accumulated technologies and knowledge in the ultrasound market, came together with Samsung Medical Equipment to establish the foundation for developing distinguished, premium equipment. Medison earned a strong reputation for its Ob/Gyn equipment, providing its products to over 100 countries around the world. Samsung Medison has been pursuing its goal to become the global leader of the medical industry.



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A new era of ultrasound technology,

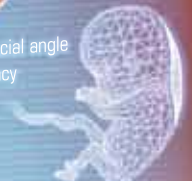
# 5D ART™

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- Cisterna Magna
- Thalamus
- Cerebellum
- Occipital Lobe
- Choroid Plexus


**Aneuploidy**



- Frontomaxillary facial angle
- Nuchal Translucency
- Nasal Bone
- Nuchal Fold
- Ear
- Mandible



**Fetal Circulation**



- Fetal Heart Rate
- Right Ventricle
- Tricuspid Valve
- Right Atrium
- Left Ventricle
- Mitral Valve
- Left Atrium
- Umbilical Cord

**Fetal Growth**



- Femur Length
- Crown Rump Length
- Fetal Weight
- Head Circumference
- Abdominal Circumference
- Bi Parietal Diameter

Ultrasound technology with realistic image and accurate information that you have not experienced yet, this is Samsung Medison - 5D ART™

5D ART™ (Augmented Reality Technology) Ultrasound technology that provides "Easy Detection, Accurate Diagnosis" through ultimate reality and accurate information

## Exhibitor profiles

### Shenzhen Mindray Bio-Medical Electronics Co., Ltd. **Stand no: 34**

Mindray Building, Keji 12th Road South, High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China  
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Mindray was founded in 1991 with the goal of delivering high-quality, competitively priced medical devices to make healthcare more accessible around the world. Mindray has three well-established business segments: Patient Monitoring and Life Support Products, In-Vitro Diagnostic Products and Medical Imaging Systems. To date, Mindray's global sales network has covered more than 190 countries and regions.

### Sidra Medical and Research Center **Stand no: 45**

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Sidra is a groundbreaking medical, research and education institution located in Doha, Qatar, focused on the health and wellbeing of women and children. Sidra's clinical experts will work in partnership with leading international institutions, to deliver world-class patient care and cutting-edge research. Sidra is based on the vision of Her Highness Sheikha Mozah Bint Nasser, who serves as its Chairperson, to nurture and protect families through specialty care and to enrich Qatar's scientific expertise and resources.

### Siemens AG Healthcare Sector **Stand no: 24**

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 W: [www.siemens.com/ultrasound](http://www.siemens.com/ultrasound)

Siemens Healthcare is a world-class, leading supplier to the healthcare industry and a pioneer in ultrasound technology, providing accessible, efficient, and quality solutions for today's OB/GYN clinicians. Our ultrasound systems for obstetrics and gynecology feature a wide range of innovative clinical and workflow applications. At Siemens, we never stop exploring the boundaries of medicine and technology - so that you can obtain the accurate, in-depth information you need to help your patients make the best decisions about their health.

### Toshiba Medical Systems **Stand no: 41**

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Following the Made for Life commitment, patients are the primary focus of Toshiba's innovations. Toshiba's commitment to help improve patient care spans across all of its modalities. Superior imaging performance is one of the key reasons that make Aplio one of today's most popular premium diagnostic ultrasound systems. A full range of clinically proven tools offers uncompromised image quality. A host of advanced imaging and quantification functions ensures that you can make the best informed disease management decisions. For more information, visit [www.myaplio.com](http://www.myaplio.com)

### Siemens AG Healthcare Sector **Stand no: 24**

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Siemens Healthcare is a world-class, leading supplier to the healthcare industry and a pioneer in ultrasound technology, providing accessible, efficient, and quality solutions for today's OB/GYN clinicians. Our ultrasound systems for obstetrics and gynecology feature a wide range of innovative clinical and workflow applications. At Siemens, we never stop exploring the boundaries of medicine and technology - so that you can obtain the accurate, in-depth information you need to help your patients make the best decisions about their health.

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### Trig Medical **Stand no: 9**

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 C: Shai Feinsod  
 E: [Shai.Feinsod@trigmed.com](mailto:Shai.Feinsod@trigmed.com)  
 W: [www.trigmed.com](http://www.trigmed.com)

Trig Medical provides monitoring and guidance solutions for important times in a woman's life – child birth and when a biopsy is needed. Trig's innovative, non-invasive tracking and image based guiding technology provides clinicians with images and information to take patient care to a higher level.

### Ultrasound Manager Ltd. **Stand no: 31**

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 C: Liz Lamond  
 E: [info@ultrasoundmanager.com](mailto:info@ultrasoundmanager.com)  
 W: [www.UltrasoundManager.com](http://www.UltrasoundManager.com)

Ultrasound Manager is an innovative cloud-based solution that allows clinics to securely store their ultrasound video and images online. Clinicians can quickly manage and share patients' data to collaborate instantly online. Remote audit and teaching are among the other easy to use features. Clinicians can allow their patients to watch their scan online, and share this with friends and family via the internet. The system consists of software and an optional hardware element that works with any ultrasound machine.





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Every patient is unique, many are challenging. Aplio delivers outstanding performance for superior clinical precision, diagnostic confidence and departmental productivity. It supplies you with a wealth of workflow enhancements and automation functions that improve the efficiency and consistency of your exams. A wide range of powerful tools for advanced visualization, quantification and intervention helps you to strengthen diagnostic confidence and throughput everyday and with every patient.

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**ULTRASOUND CT MRI X-RAY SERVICES**

## Exhibitor profiles

### Wiley Blackwell

ISUOG Lounge

Make sure you visit the Ultrasound in Obstetrics & Gynecology (UOG) section of the ISUOG stand. Collect your free sample copy of the latest issue, claim your free UOG USB stick, or sign up for our UOG newsletter. You can also chat with someone who works on the Journal to find out more about the latest developments. UOG is the leading peer-reviewed Journal on imaging within the field of obstetrics and gynecology, with an Impact Factor of 3.007 (JCR 2011).

### Wisepress

Stand no: 44

25 High Path, London, SW19 2JL, UK

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F: +44 (0) 20 7715 1722

C: *Nadia Ahmed*

E: [bookshop@wisepress.com](mailto:bookshop@wisepress.com)

W: [www.wisepress.com](http://www.wisepress.com)

Wisepress.com, Europe's leading conference bookseller, has a complete range of books and journals relevant to the themes of the meeting. Books can be purchased at the stand or, if you would rather not carry them, posted to you – Wisepress will deliver worldwide. In addition to attending 200 conferences per year, Wisepress has a comprehensive medical and scientific bookshop online with great offers.

### ZONARE Medical Systems

Stand no: 7

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W: [www.zonare.com](http://www.zonare.com)

ZONARE Medical Systems, Inc. is a leading developer of next generation ultrasound technology. The pioneer is solely dedicated to ultrasound excellence and manufactures premium ultrasound systems that combine its proprietary technology with an innovative physical design. The unique, patented ZONE SONOGRAPHY Technology™ represents an entirely new and different approach to ultrasound data acquisition and image formation, delivering premium image quality, performance, improved diagnosis and clinical versatility, changing where ultrasound is performed and the way it is practiced.



## SIEMENS

## Something about this kid looks very familiar.

[www.siemens.com/ultrasound](http://www.siemens.com/ultrasound)

When Dr. Jared Petersen noticed areas of concern on standard blood tests from his 42-year-old expectant patient, he ordered an ultrasound exam to determine the health of the fetus. Using Amnioscopic Rendering on the ACUSON S2000™ ultrasound system from Siemens, Dr. Petersen obtained a volume image that showed precise anatomical information about the fetal anatomy.

This exclusive technology creates a high-resolution volume image by diffusing light into the structure, eliminating shadows for a more accurate representation of fetal anatomy. These detailed, photo-realistic images enabled Dr. Petersen to rule out cleft lip, spina bifida, and other

abnormalities and to confirm that the fetus was structurally normal. Just five months later, he delivered a healthy baby girl.

Siemens develops ultrasound solutions that enable physicians to visualize data and images for patients at every stage of life. We pioneer ultrasound so that healthcare providers can be there at the greatest moment of need—from the first look at a fetus to the moment a newborn takes her first breath.

Siemens. The Ultrasound Pioneers.

Answers for life.

# ISUOG committee meetings

| Date                          | Start Time | End Time | Meeting (Secretary)                | Meeting Room |
|-------------------------------|------------|----------|------------------------------------|--------------|
| <b>Friday 7 September</b>     | 14:00      | 15:30    | Meeting Planning Committee         | Room 16      |
|                               | 15:45      | 17:15    | WEB Committee                      | Room 16      |
| <b>Saturday 8 September</b>   | 08:30      | 18:00    | ISUOG Board                        | Room 17      |
| <b>Sunday 9 September</b>     | 10:00      | 11:00    | Scientific Committee               | Room 17      |
|                               | 10:00      | 11:00    | Fetal Heart Special Interest Group | Room 21      |
|                               | 11:15      | 12:15    | Fetal MRI Focus Group              | Room 17      |
|                               | 12:45      | 13:45    | Session Chairs' Briefing & Lunch   | Hall A3      |
|                               | 15:45      | 16:15    | Annual General Meeting             | Hall A1      |
| <b>Monday 10 September</b>    | 08:30      | 10:00    | Education Committee                | Room 17      |
|                               | 10:15      | 11:15    | Gold Medal Committee               | Room 17      |
|                               | 10:00      | 12:45    | Safety Committee                   | Room 21      |
|                               | 12:45      | 14:15    | Editorial Board                    | Room 17      |
|                               | 14:45      | 15:45    | Patient Liaison Group              | Room 21      |
| <b>Tuesday 11 September</b>   | 08:30      | 09:45    | IETA                               | Room 21      |
|                               | 08:45      | 09:45    | Journal Editors Meeting            | Room 17      |
|                               | 09:45      | 10:45    | Gynecology Special Interest Group  | Room 21      |
|                               | 11:00      | 12:00    | Perinatal Doppler Focus Group      | Room 21      |
|                               | 11:00      | 12:00    | Membership Development Committee   | Room 17      |
|                               | 13:00      | 14:00    | Young Investigators Lunch          | Room 21      |
|                               | 12:45      | 14:15    | Outreach Committee                 | Room 17      |
|                               | 14:45      | 15:45    | Journal Strategy meeting           | Room 17      |
|                               | 16:00      | 17:00    | IPULA                              | Room 21      |
|                               | 16:00      | 17:00    | Clinical Standards Committee       | Room 17      |
|                               | 17:30      | 18:30    | IOTA Group                         | Room 21      |
| <b>Wednesday 12 September</b> | 08:30      | 10:00    | Scientific Committee 2             | Room 17      |
|                               | 10:00      | 11:00    | 3D Focus Group                     | Room 21      |
|                               | 11:00      | 12:00    | Exhibitors' Closing Meeting        | Room 17      |
|                               | 13:00      | 14:00    | ISUOG Board (supplementary)        | Room 17      |
|                               | 16:00      | 17:00    | Sydney Local Organising Committee  | Room 21      |

Committee meetings are for committee members by invitation; if you are interested in joining one of the committees listed, please visit the ISUOG stand to register your interest.



# 23rd World Congress on Ultrasound in Obstetrics and Gynecology

6–9 October 2013, Sydney, Australia

Incorporating the ASUM 43rd Annual Scientific Meeting

Save  
the  
date!



## Critical dates

- |                       |  |
|-----------------------|--|
| <b>January 2013</b>   | Registration and Call for Papers open  |
| <b>6 May 2013</b>     | Abstract submission and reduced rate registration deadline<br>Exhibition / sponsorship discount deadline |
| <b>6 August 2013</b>  | Early bird registration rate deadline  |
| <b>6 October 2013</b> | Congress opens   |

Visit [www.isuog.org/worldcongress/2013](http://www.isuog.org/worldcongress/2013) for full details





# General information

## Cash machines

Banks are normally open from 10:00 to 16:00 on weekdays with late hours until 18:00 on Thursdays (closed Saturdays and Sundays). There is a cash point located at the Congress entrance (near the registration desk) of the Bella Center and another cash point just outside the Congress entrance.

## Catering

Tea, coffee and light lunches will be served in the exhibition area from Sunday to Wednesday. Please join us for the welcome drinks after the opening ceremony on Sunday afternoon and for the leaving drinks, to look forward to next year's Congress with an Australian beer after the closing session on Wednesday afternoon.

## Certificates of attendance

To receive your certificate of attendance please hand your Congress evaluation form to the staff at the registration desk before 18:30 on Wednesday 12 September. Your certificate will be emailed to you after the Congress to the email address we have for you on file. If you have any questions please ask at the registration desk.

## Congress contact details

### Congrex UK

**(registration and booking enquiries)**

26-28 Hammersmith Grove  
London, W6 7HA, UK  
T: +44 (0)20 8748 8868 F: +44 (0)20 7112 8741  
E: [ISUOG2012@congrex.com](mailto:ISUOG2012@congrex.com)

### ISUOG Secretariat

**(all other enquiries)**

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London W14 0HW, UK  
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E: [congress@isuog.org](mailto:congress@isuog.org)

## Disclaimer

Best endeavours will be made to present the program as printed. However ISUOG and its agents reserve the right to alter or cancel without prior notice, any of the arrangements, timetables, plans or other items relating directly or indirectly to the Congress for any reason beyond its reasonable control. ISUOG and its agents are not liable for any loss or inconvenience caused as a result of such alteration.

## Duplications/recordings

Photography, audio taping, video recording, digital taping or any other form of duplication is strictly prohibited in the session halls and poster areas, except with the express consent, in advance, of ISUOG and the speakers involved. Please note that all sessions are available to delegates and ISUOG members after the Congress, through the ISUOG OnDemand web portal.

## First aid

Should you require assistance during the Congress hours, please contact the registration desk.

## Future meetings

Literature regarding future meetings of interest to participants is displayed next to Hall A3.

## ISUOG membership

All paid delegates are members of ISUOG for 2013, including access to the Congress web portal ISUOG OnDemand, and access to UOG for online and full members. Visit the ISUOG lounge by the exhibition area for more information.

## Lost property

Please hand any lost property to the staff at the registration desk where it will be made available for collection. At the end of the Congress, any unclaimed items will be taken back to London by ISUOG.

## Name badges

Please wear your name badge at all times, you will need this to gain admission to the sessions or exhibition area. Please note, our staff are instructed not to permit entry without your badge, so please be understanding if you are asked to return to the registration desk. Name badge holders have been colour coded as follows:

Large badge holder:

|        |                                     |
|--------|-------------------------------------|
| Clear  | Full delegates                      |
| Red    | Board                               |
| Blue   | Invited faculty                     |
| Yellow | Exhibitors                          |
| Clear  | Staff (with wording STAFF on badge) |

Small badge holder:

|            |  |
|------------|--|
| Clear      | Day delegate (with printed day on badge) |
| Clear      | Accompanying persons                     |
| Clear      | Saturday (pre-congress courses only)     |
| Light Pink | Sunday (Basic training program only)     |

## Official language

The official language of the Congress is English.  
No translation facilities are available.

## Smoking policy

Smoking is not permitted in the building.

## Telephones

Mobile telephones work well within the venue.

## Travel and sightseeing

The Bella Center is located in the middle of Ørestaden, surrounded by Scandinavia's largest shopping mall, the Royal Golf Center and preserved nature.

The Bella Center is just a 10–15 minute taxi ride from Copenhagen city centre. There are also direct connections by both Metro (Metro Line M1) and bus (line 30) just 100 metres from the venue.

The public transport infrastructure of Copenhagen is among the most efficient and reliable in the world. Metro, bus and train can be combined as much as you like for as long as your ticket is valid, which will be indicated on your ticket. You can buy your ticket at the official ticket office or at the machines inside the stations. If you take the bus, you can buy your ticket from the driver, but bring coins, not notes. If you are going to be using the public transport a lot, you might want to consider buying a 10 trip ticket at one time, a 24-hour-ticket or a Copenhagen Card, which will give you free access to 60 major attractions and other discounts.

Information on what to see and do, where to eat, museums and other attractions can be found in the ISUOG Visitor Guide, prepared by our Local Organising Committee. A copy of this guide can be found in your delegate bag, and is also available from our registration desk.

## WIFI

Complimentary WIFI is available in the Congress Foyer and at the ISUOG lounge.



ISUOG would like to thank the following industry partners for their support of the 22nd World Congress:

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**22nd World Congress on Ultrasound  
in Obstetrics and Gynecology**

9–12 September 2012, Copenhagen, Denmark



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