Final Program

17th World Congress on Ultrasound in Obstetrics and Gynecology
7–11 October 2007, Florence, Italy

19 crediti ECM italiana
EACCME credits applied for
Welcome message

Dear colleagues,

It is a pleasure and an honour for us to host for the first time ISUOG's World Congress in Italy, in one of its most enchanting and beautiful cities, Florence. We are proud to announce that in this edition, as in those of the past few years, we have broken all records in terms of abstract submissions and subscriptions: we have received over 1000 abstracts and are expecting more than 1700 delegates from all over the world. On behalf of ISUOG, we thank all of you for your trust and enthusiasm and we assure you that we will do our best to make your stay in Florence unforgettable.

There will be six pre-congress courses covering key aspects of our discipline, from fetal echocardiography and neurosonology to 3D, Doppler and gynaecologic ultrasound. The scientific program includes parallel sessions, debates and, based on the success of similar events in the past world congresses, some fun sessions such as role-plays and “Who wants to be an ultrasound millionaire”. The main sessions incorporate the ever popular live scan demonstrations of normal ultrasound findings by leading world experts, including new ‘tips and tricks’ for particular investigations. One parallel stream will be translated into Italian and will form the basis for Italian CME participation.

We will also try to make the social program as pleasurable for you as the scientific one, with possibilities to make unforgettable excursions to splendid Tuscany sites, leaving at the same time the opportunity to profit from an escape to some of the most important outlets from world renowned Italian fashion designers as Prada or Gucci. The Congress party will be held in a romantic and beautiful 17th century aristocratic Palazzo on the Arno banks where Italian gourmet delicacies will be served.

On behalf of our Scientific and Meeting Planning Committees, we are honoured to welcome you all here in Florence.

Enrico Ferrazzi, Dario Paladini, Gianluigi Pilu
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**Critical dates and times**

<table>
<thead>
<tr>
<th>Registration opening hours</th>
<th>The registration area is at the entrance to the Congress building in Piazza Adua. The opening times are: Sunday 7 October 2007 07:30–20:00 Monday 8 October 2007 07:30–17:30 Tuesday 9 October 2007 08:00–17:30 Wednesday 10 October 2007 08:00–17:30 Thursday 11 October 2007 08:00–13:30</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Exhibition opening hours</th>
<th>The exhibition will be located in the PDA and the PDC: Monday 8 October 2007 09:30–17:00 Tuesday 9 October 2007 09:30–17:00 Wednesday 10 October 2007 09:30–17:00 Thursday 11 October 2007 09:30–13:00 PDC 09:30–12:00 PDA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Speakers’ preparation room opening hours</th>
<th>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 to be presented (and ideally the day before) to ensure that their presentation is included. The speakers’ preparation room will be located in room 9 on the ground floor of the PDC, opening hours are as follows: Sunday 7 October 2007 15:00–18:00 Monday 8 October 2007 08:00–17:30 Tuesday 9 October 2007 08:00–17:30 Wednesday 10 October 2007 08:00–17:30 Thursday 11 October 2007 08:00–13:00</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Scientific program hours</th>
<th>The scientific program sessions will take place in the PDC Auditorium, the PDA Basement and the PDA Second Floor. Please refer to the program for the exact location and timings of each session. Sessions will take place during the following times: Monday 8 October 2007 08:30–18:10 Tuesday 9 October 2007 08:30–18:00 Wednesday 10 October 2007 08:30–17:35 Thursday 11 October 2007 08:30–13:30 Poster sessions take place in the PDC (ground and first floor) and the PDA (first, second and third floors). Viewing is available from 09:00–17:00 Monday to Wednesday, and 09:00–13:30 on Thursday. Chaired poster discussions take place daily at 10:00.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>ISUOG meetings</th>
<th>ISUOG Annual General Meeting (AGM) All fully paid delegates are enrolled as ISUOG members and invited to attend the AGM. Tuesday 9 October at 15:30 PDC Auditorium For details of scheduled ISUOG Committee meetings, please refer to page 79 of this brochure.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Identification badges</th>
<th>You will be given a name badge when you register which also contains all your essential tickets and access passes. Please make sure that you keep your badge safe and that you wear it at all times during the Congress. Due to the high number of delegates in attendance, we will have to turn anyone away from the session halls who is not wearing a valid badge. We ask you please to be understanding of this restriction as it is imposed for the safety and comfort of all attendees.</th>
</tr>
</thead>
</table>

**Program orientation**

- **The program at a glance** gives you an outline to each day’s events including locations, titles and times, and refreshment breaks.
- **The program pages** give you the detailed chronological listing of events – please note that all sessions run in parallel so you will need to read through all sessions of similar time to decide which best suits your needs.
- **Buildings** (PDC and PDA) as well as days are colour coded to assist you in ‘navigating’ the program.
- **Rooms** in each building are listed by building, floor and room. For example, PDC G.01 (Palazzo dei Congressi, ground floor, room 1); PDA 1.01 (Palazzo degli Affari, first floor, room 1).
- In all poster and oral presentation listings the presenting author name is underlined.
- All presentations which are supported by free communication abstracts have an OC (oral communication), OP (oral poster) or P (poster) number listed next to them: you can use this to refer to the Abstract book in your congress bag and the detailed abstract.
- Some of the sessions include ‘live scan’ time: these are live updates on the latest techniques and technologies in the field which support the scientific data in the same subject area.
- The poster titles are listed in the pages immediately following the day of oral sessions. Oral posters are referenced as ‘OP’ numbers and view only posters are referenced as ‘P’ numbers – you can use these both to locate the original abstracts and to find the relevant posters in the dedicated poster areas.
- There are allocated chaired poster discussion times for oral poster sessions (OP) at 10:00 daily.
- The exhibition opens at 09:30 each day in time for the morning coffee break. All refreshment breaks are located within the exhibition areas.
- All oral poster (chaired discussion) sessions will be judged within their subject categories. The best oral presenter in each session will receive certificates and will be formally acknowledged in the Ultrasound in Obstetrics & Gynecology Journal.
Venue floor plans

Key:
- Sponsor activities
- Gynecology sessions
- Exhibition
- Poster rooms
- Obstetrics sessions
- Meeting Rooms
- Entrance and registration

PALAZZO DEI CONGRESSI
- PDC
- PDC 1
- PDC 2
- PDC G

PALAZZO DEGLI AFFARI
- PDA
- PDA 1
- PDA 2
- PDA 3
- PDA 4
- PDA G
- PDA BASEMENT

Auditorium
Salone Club
Belvedere
Limonaja
Passi Perduti

2.02 2.03
2. Sala Verde

1.02 1.03 1.04 1.05 1.06
1.01 1.07 1.08

G.04 G.05 G. Onice G.06
G.07 G.08 G.09

3. A 3. B
3.01 3.02

1. A
Exhibitor listing: lettered stands

A  Congrex AB
B  International Vasa Previa Foundation Inc.
C  Future meetings desk
E  Italian ECM desk and translation receiver distribution
Exhibitor listing: numbered stands

<table>
<thead>
<tr>
<th>Company</th>
<th>Stand no.</th>
<th>Company</th>
<th>Stand no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aloka Holding Europe AG</td>
<td>31</td>
<td>Karl Storz GmbH &amp; Co.KG</td>
<td>17</td>
</tr>
<tr>
<td>Astraia Software GmbH</td>
<td>18</td>
<td>Medison Co. Ltd</td>
<td>36</td>
</tr>
<tr>
<td>Ashva Technologies</td>
<td>6</td>
<td>Mindray</td>
<td>1–3</td>
</tr>
<tr>
<td>Bi-Tech srl</td>
<td>8</td>
<td>PerkinElmer Life and Analytical Sciences</td>
<td>14</td>
</tr>
<tr>
<td>Brahms Aktiengesellschaft</td>
<td>30a</td>
<td>Philips Medical Systems</td>
<td>39</td>
</tr>
<tr>
<td>Cook Medical</td>
<td>33</td>
<td>Shantou Institute of Ultrasonic Instruments</td>
<td>13</td>
</tr>
<tr>
<td>ContextVision AB</td>
<td>9</td>
<td>Siemens AG Medical Systems</td>
<td>32</td>
</tr>
<tr>
<td>Emmeci Sistemi Informatici</td>
<td>19</td>
<td>Socrate Medical s.r.l.</td>
<td>4–5</td>
</tr>
<tr>
<td>Esaote S.p.A.</td>
<td>33</td>
<td>TOMA Advanced Biomedical Assays</td>
<td>7</td>
</tr>
<tr>
<td>Finderm Farmaceutici</td>
<td>16</td>
<td>Toshiba Medical Systems Europe BV</td>
<td>30b</td>
</tr>
<tr>
<td>GE Healthcare Gardens</td>
<td>37 Gardens</td>
<td>Ultrasonix Medical Corporation</td>
<td>11–12</td>
</tr>
<tr>
<td>Informa Healthcare</td>
<td>10</td>
<td>Wisepress Online Bookshop</td>
<td>29</td>
</tr>
<tr>
<td>ISUOG</td>
<td>38a</td>
<td>ZONARE Medical Systems, Inc. (USA) &amp; ZONARE Medical Systems GmbH</td>
<td>38b</td>
</tr>
<tr>
<td>Jaypee Brothers Medical Publishers (P) Ltd</td>
<td>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please see detailed exhibitor profiles on pages 72 to 77 for more information about the companies listed.
Program at a glance

Sunday 7 October 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>ORAL SESSIONS</th>
<th>POSTER VIEWING ALL DAY</th>
<th>Satellite education areas</th>
<th>Hospitality suites</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-17:00</td>
<td>Starts 09:15: Fetal echocardiography from 2D examination to 3D/4D technology</td>
<td>Fetal neurosonology: from 2D examination to 3D/4D technology and MRT</td>
<td>PDA 3.01</td>
<td></td>
</tr>
<tr>
<td>17:30-21:30</td>
<td>Opening ceremony and welcome reception</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Monday 8 October 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>ORAL SESSIONS</th>
<th>POSTER VIEWING ALL DAY</th>
<th>Satellite education areas</th>
<th>Hospitality suites</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Back to the future Fetal growth anomalies I</td>
<td>Pelvic pain and endometriosis – joint SEGI session</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td>Coffee &amp; Poster viewing</td>
<td>Complimentary imaging and deep endometriosis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00-12:30</td>
<td>GE symposium</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>12:30-14:00</td>
<td>Live demonstration sponsored by Philips</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>14:00-15:30</td>
<td>Early pregnancy I: Miscarriage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30-16:00</td>
<td>COFFEE &amp; Poster viewing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00-17:30</td>
<td>Diagnosis of fetal anomalies at 11–14 weeks</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tuesday 9 October 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>ORAL SESSIONS</th>
<th>POSTER VIEWING ALL DAY</th>
<th>Satellite education areas</th>
<th>Hospitality suites</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-10:00</td>
<td>Screening for aneuploidy TVS in assisted reproduction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td>Coffee &amp; Poster viewing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00-12:30</td>
<td>Live demonstration sponsored by ALOKA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30-14:00</td>
<td>Siemens symposium</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00-15:30</td>
<td>Twins</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30-16:00</td>
<td>ISUOG AGM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00-18:00</td>
<td>Diagnostic invasive procedures</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19:30</td>
<td>Congress Party – Palazzo Borghese. Sponsored by Medison</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Program at a glance

## Wednesday 10 October 2007

<table>
<thead>
<tr>
<th>ORAL SESSIONS</th>
<th>POSTER VIEWING ALL DAY</th>
<th>Satellite education areas</th>
<th>Hospitality suites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDC Auditorium</td>
<td>PDA 2nd floor</td>
<td>PDA Basement</td>
<td>PDC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30–10:00</td>
<td>Live demonstration sponsored by GE Fetal echocardiography: preterm labour Ultrasound and preterm labour Abnormal uterine bleeding and imaging</td>
</tr>
<tr>
<td>10:00</td>
<td>Chaired poster discussions – sponsored by Medison (10:00–10:45)</td>
</tr>
<tr>
<td>10:30–11:00</td>
<td>COFFEE &amp; POSTER VIEWING</td>
</tr>
<tr>
<td>11:00–12:30</td>
<td>Fetal echocardiography: 4D and function Fetal neurosonology II Lessons from the IOTA trial</td>
</tr>
<tr>
<td>12:30–14:00</td>
<td>LUNCH &amp; POSTER VIEWING Medison symposium (12:45–13:45)</td>
</tr>
<tr>
<td>14:00–15:30</td>
<td>Live demonstration sponsored by Medison The fetal face and 3D/4D ultrasound Ultrasound in the labour ward Ovarian masses</td>
</tr>
<tr>
<td>15:30–16:00</td>
<td>COFFEE &amp; POSTER VIEWING Invasive procedures Imaging and the oncology patient</td>
</tr>
<tr>
<td>16:00–17:30</td>
<td>Live demonstration sponsored by Siemens Fetal and placental circulation</td>
</tr>
</tbody>
</table>

## Thursday 11 October 2007

<table>
<thead>
<tr>
<th>ORAL SESSIONS</th>
<th>POSTER VIEWING UNTIL 13:30</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDC Auditorium</td>
<td>PDA 2nd floor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30–10:00</td>
<td>Live demonstration sponsored by GE Skeletal anomalies from 2D to 3D Skeletal anomalies circulation II Urogynecology</td>
</tr>
<tr>
<td>10:00</td>
<td>Chaired poster discussions – sponsored by Medison (10:00–10:45)</td>
</tr>
<tr>
<td>10:30–11:00</td>
<td>COFFEE &amp; POSTER VIEWING</td>
</tr>
<tr>
<td>11:00–13:30</td>
<td>Live demonstration sponsored by Toshiba Fetal airways and chest Obstetric ultrasound Interactive case examples focusing on new techniques</td>
</tr>
</tbody>
</table>

## Closing Ceremony

**BEER AND PIZZA**

### Venue floor plan

**Key:**
- Sponsor activities
- Exhibition
- Obstetrics sessions
- Entrance and registration
- Gynecology sessions
- Poster rooms
- Meeting Rooms

**PALAZZO DEI CONGRESSI**

**PDA**

**PALAZZO DEGLI AFFARI**

**LIMONAIA**

**PALAZZO BASEMENT**
<table>
<thead>
<tr>
<th>Day</th>
<th>Poster session</th>
<th>Discussion time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday</strong></td>
<td><strong>8 October</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OP</td>
<td>OP01: Maternal Doppler</td>
<td></td>
<td>PDC G.Onice</td>
</tr>
<tr>
<td>OP</td>
<td>OP02: Fetal therapy I</td>
<td></td>
<td>PDA 3.B</td>
</tr>
<tr>
<td>OP</td>
<td>OP03: MRI</td>
<td></td>
<td>PDA 2.B</td>
</tr>
<tr>
<td>OP</td>
<td>OP04 &amp; OP05: Early pregnancy</td>
<td>10:00–10:45</td>
<td>Presentation: PDA Basement</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Viewing: PDC 1.01</td>
</tr>
<tr>
<td>OP</td>
<td>OP06: CHD diagnosis and outcome</td>
<td></td>
<td>PDA 3.A</td>
</tr>
<tr>
<td>OP</td>
<td>OP07: First trimester ultrasound examination</td>
<td></td>
<td>PDC 2. Sala Verde</td>
</tr>
<tr>
<td>OP</td>
<td>OP21: Fetal anomaly scan</td>
<td></td>
<td>PDC 2.02</td>
</tr>
<tr>
<td>OP</td>
<td>OP22: Ultrasound in Labour</td>
<td></td>
<td>PDA 1.A</td>
</tr>
<tr>
<td>P</td>
<td>P06: Fetal abdomen</td>
<td></td>
<td>PDC 2.03</td>
</tr>
<tr>
<td>P</td>
<td>P27: Abnormalities of the placenta and umbilical cord</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>P28 &amp; P29: Early pregnancy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>P30: MRI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>P31: First trimester screening for Down syndrome</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>P32: Fetal echocardiography and CHD I</td>
<td></td>
<td></td>
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<tr>
<td>P</td>
<td>P49: Ultrasound in Labour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>P50: First trimester screening for syndromes and malformations</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tuesday</strong></td>
<td><strong>9 October</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OP</td>
<td>OP08: Fetal biometry</td>
<td>10:00–10:45</td>
<td>PDA 1.A</td>
</tr>
<tr>
<td>OP</td>
<td>OP09: The second trimester malformation scan and anomalies of the face and abdomen</td>
<td></td>
<td>PDA 3.B</td>
</tr>
<tr>
<td>OP</td>
<td>OP10: Twins</td>
<td></td>
<td>PDA 2.B</td>
</tr>
<tr>
<td>OP</td>
<td>OP11: Fertility, pelvic pain and endometriosis</td>
<td></td>
<td>Presentation: PDA Basement</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Viewing: PDC 1.01</td>
</tr>
<tr>
<td>OP</td>
<td>OP12: Fetal heart and 4D</td>
<td></td>
<td>PDA 3.A</td>
</tr>
<tr>
<td>OP</td>
<td>OP13: Fetal Neurosonography</td>
<td></td>
<td>PDC G.Onice</td>
</tr>
<tr>
<td>P</td>
<td>P33: Fetal skeleton</td>
<td></td>
<td>PDC 2.04</td>
</tr>
<tr>
<td>P</td>
<td>P34: Biometry, umbilical cord and placenta</td>
<td></td>
<td>PDA 1.A</td>
</tr>
<tr>
<td>P</td>
<td>P35: Fertility, pelvic pain and endometriosis</td>
<td></td>
<td>PDC 1.01</td>
</tr>
<tr>
<td>P</td>
<td>P36: Twins</td>
<td></td>
<td>PDA 2.B</td>
</tr>
<tr>
<td>P</td>
<td>P37: Fetal neurosonography I</td>
<td></td>
<td>PDC 2.04</td>
</tr>
<tr>
<td>P</td>
<td>P38: Fetal neurosonography II</td>
<td></td>
<td>PDA 1.A</td>
</tr>
<tr>
<td>P</td>
<td>P39: Fetal echocardiography and CHD II</td>
<td></td>
<td>PDA 2.03</td>
</tr>
<tr>
<td><strong>Wednesday</strong></td>
<td><strong>10 October</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OP</td>
<td>OP14: Uterine artery Doppler</td>
<td>10:00–10:45</td>
<td>PDC G.Onice</td>
</tr>
<tr>
<td>OP</td>
<td>OP15: Twins II</td>
<td></td>
<td>PDA 2.04</td>
</tr>
<tr>
<td>OP</td>
<td>OP16: Ovarian masses</td>
<td></td>
<td>PDC 1.04</td>
</tr>
<tr>
<td>OP</td>
<td>OP17: Endometrium and abnormal bleeding</td>
<td></td>
<td>Presentation: PDA Basement</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Viewing: PDC 1.01</td>
</tr>
<tr>
<td>OP</td>
<td>OP18: Fetal cardiac function</td>
<td></td>
<td>PDA 3.A</td>
</tr>
<tr>
<td>OP</td>
<td>OP19: Preterm delivery</td>
<td></td>
<td>PDA 1.A</td>
</tr>
<tr>
<td>P</td>
<td>P40: Fetal face and thorax</td>
<td></td>
<td>PDC 2.04</td>
</tr>
<tr>
<td>P</td>
<td>P41: Uterine artery Doppler</td>
<td></td>
<td>PDC 1.05</td>
</tr>
<tr>
<td>P</td>
<td>P42: Endometrium and abnormal bleeding</td>
<td></td>
<td>PDA 1.05</td>
</tr>
<tr>
<td>P</td>
<td>P43: Ovarian masses</td>
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<td>PDA 3.05</td>
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<tr>
<td>P</td>
<td>P44: Chromosomal abnormalities and syndromes</td>
<td></td>
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<tr>
<td>P</td>
<td>P45: Fetal echocardiography and CHD III</td>
<td></td>
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<tr>
<td><strong>Thursday</strong></td>
<td><strong>11 October</strong></td>
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<tr>
<td>OP</td>
<td>OP20: Fetal Doppler</td>
<td>10:00–10:45</td>
<td>PDC G.Onice</td>
</tr>
<tr>
<td>OP</td>
<td>OP23: Urogynecology</td>
<td></td>
<td>Presentation: PDA Basement</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Viewing: PDC 1.01</td>
</tr>
<tr>
<td>OP</td>
<td>OP24: Fetal therapy II</td>
<td></td>
<td>PDC 2.02</td>
</tr>
<tr>
<td>OP</td>
<td>OP25: First trimester screening for Down syndrome and abnormal</td>
<td></td>
<td>PDC 2. Sala Verde</td>
</tr>
<tr>
<td></td>
<td>pregnancy outcome</td>
<td></td>
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</tr>
<tr>
<td>P</td>
<td>P46: Fetal Circulation</td>
<td></td>
<td>PDC 2.04</td>
</tr>
<tr>
<td>P</td>
<td>P47: Prenatal diagnosis and fetal sex determination</td>
<td></td>
<td>PDC 1.01</td>
</tr>
<tr>
<td>P</td>
<td>P48: Urogynecology</td>
<td></td>
<td>PDC 2.03</td>
</tr>
<tr>
<td>P</td>
<td>P51: Fetal Therapy</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The following declarations and affiliations have been notified:

**Invited speaker declarations**

<table>
<thead>
<tr>
<th>J. Abramowicz</th>
<th>Consultant for Philips Medical Systems. No financial relations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Benoit</td>
<td>Using supplied scanning system from GE.</td>
</tr>
<tr>
<td>J. Copel</td>
<td>Equipment loans provided to Yale University from GE and Philips.</td>
</tr>
<tr>
<td>J. Deprest</td>
<td>Used donated equipment from Karl Storz and GE for research purposes.</td>
</tr>
<tr>
<td>T. D’Hooghe</td>
<td>Current/past advisor or Consultant to Merck/Serono, Ferring, Organon, Ipsen, Valeo Medical and Pronata.</td>
</tr>
<tr>
<td>H. Dietz</td>
<td>Equipment loans from GE Medical and B+K Ultrasound.</td>
</tr>
<tr>
<td>S. Goldstein</td>
<td>Serves on the Gynecology Advisory Boards of Eli Lilly, GlaxoSmithKline, Merck, Novo Nordisk and Pfizer. Consultant for Cook Ob/Gyn and Philips Ultrasound. Director of SonoSite, Inc.</td>
</tr>
<tr>
<td>A. Kratchwill</td>
<td>Cooperation with GE, organising courses for theoretical and practical application of 3D/4D Sonography in Vienna known as VISOUS courses.</td>
</tr>
<tr>
<td>W. Lee</td>
<td>Consultant for GE Healthcare, Philips Medical Systems and Siemens Medical Solutions, all with limited research support.</td>
</tr>
<tr>
<td>C. Lees</td>
<td>Uses Siemens and GE loan machines for teaching purposes.</td>
</tr>
<tr>
<td>T. Nelson</td>
<td>Equipment loan from Philips Medical Systems.</td>
</tr>
<tr>
<td>W. Sepulveda</td>
<td>Recipient of a Grant Agreement with Medison Co. for educational and training purposes. Includes equipment loan from Medison and sponsorship for participation in international congresses and courses.</td>
</tr>
<tr>
<td>P. Setti</td>
<td>Serves on the Serono International SA Advisory Board.</td>
</tr>
<tr>
<td>B. Tutschek</td>
<td>Equipment loan from GE Medical Systems for a scientific project unrelated to and not presented at this Congress.</td>
</tr>
<tr>
<td>P. Volpe</td>
<td>Has been an invited speaker of GE and Aloka.</td>
</tr>
</tbody>
</table>

**CME**

19 Italian CME credits have been assigned for the Congress.

In order to obtain the credits, please report to the CME (ECM) desk in the Passi Perduti. You will be given three documents to complete and return at the end of the Congress:

1. A self declaration of being present at whole event (with the exception of pre-Congress courses)
2. An evaluation form relating to the scientific quality of the event
3. A list of scientific questions

**UEMS**

Accreditation by the European Accreditation Council for Continuing Medical Education (EACCME) was in process at the time of print.

Please contact the registration desk on-site for updated information.

EACCME credits are recognised across Europe and North America and can be exchanged for their national equivalent by contacting your National CME authority.

EACCME credits are recognised by the American Medical Association (AMA) towards the Physician’s Recognition Award (PRA).

**List of invited faculty**

| J. Abramowicz, USA       | I. Cetin, Italy                  | L. Guibaud, France          |
| A. Abuhamad, USA         | R. Chaud, Germany                | M. Hansmann, Germany        |
| G. Acharya, Norway       | C. Chapron, France               | K. Hecher, Germany          |
| J. Alcazar, Spain        | M. Coccia, Italy                 | J. Hobins, USA              |
| Z. Aliferivc, UK         | G. Condó, Australia              | I. Jacobs, UK               |
| D. Ardumi, Italy         | J. Copel, USA                    | P. Janty, USA               |
| S. Barnett, Australia    | A. Czekiradowski, Czech Republic | D. Jurkovic, UK             |
| A. Baschat, USA          | T. D’Hooghe, Belgium             | E. Kirk, UK                 |
| C. Battaglia, Italy      | V. D’Addario, Italy              | T. Kiserud, Norway          |
| M. Bellotti, Italy       | J. Deprest, Belgium              | A. Kratchwill, Austria      |
| B. Benacerraf, USA       | G. DeVore, USA                   | W. Lee, USA                 |
| B. Benoit, France        | H. Dietz, Australia              | C. Lees, UK                 |
| T. Bigini, Italy         | S. Eik-Nes, Norway               | F. Leone, Italy             |
| C. Bilardo, Netherlands  | E. Epstein, Sweden               | D. Levine, USA              |
| H. Blasa, Norway         | J. Espinoza, USA                 | G. Malinger, Italy          |
| C. Bottomley, UK         | C. Exacoustos, USA               | F. Malone, Republic of Ireland |
| T. Bourne, UK            | E. Ferrazzi, Italy               | I. Manyonda, UK             |
| F. Brancotti, Austria    | M. Fontanarosa, Italy            | G. Mari, USA                |
| C. Brezinka, Austria     | T. Fruca, Italy                  | K. Marial, Sweden           |
| P. Cătădi, Czech Republic| A. Gagnon, Canada                | P. Martini, Italy           |
| S. Campbell, UK          | T. Ghil, Italy                   | G. Monni, Italy             |
| J. Carvalho, UK          | S. Goldstein, USA                | T. Nelson, USA              |
| G. Cerri, Brazil         | E. Gratacós, Spain               | A. Ngu, Australia           |
| K. Nicolaides, UK        | M. Nicot, France                 | K. Nicot, France            |
| J. Nizard, France        | D. Nyberg, USA                   | N. Raine-Fenning, UK        |
| D. Nyberg, USA           | D. Paladini, Italy               | S. Rigano, Italy            |
| A. Papageorgiou, UK      | L. Rizzi, Italy                  | A. Righini, Italy           |
| P. Savelli, Italy        | G. Rizzo, Italy                  | N. Rizzo, Italy             |
| L. Savelli, Italy        | R. Romero, USA                   | F. Rizzoli, Italy           |
| I. Setti, Italy          | L. Spalol, Italy                 | G. Scarselli, Italy         |
| F. Severi, Italy         | T. Van den Bosch, Belgium        | W. Sepulveda, Chile         |
| A. Steensma, Netherlands  | Y. Ville, France                 | T. Todros, Italy            |
| M. Stratmeyer, USA       | B. Toi, Canada                   | A. Toim-Tristch, USA        |
| A. Tabor, Denmark        | B. Trudinger, Australia          | C. Tomassetti, Belgium      |
| F. Taddei, Italy         | B. Thalagathan, UK               | H. Valensise, Italy         |
| A. Testa, Italy          | T. Kiserud, Norway               | L. Valentin, Sweden         |
| B. Thilschek, Germany    | G. Tóth, Italy                   | T. Van den Bosch, Belgium   |
| F. Ubbaldi, Italy        | H. Valsriese, Italy              | Y. Ville, France            |
| I. Manyonda, UK          | D. Timmerman, Belgium            | P. Volpe, Italy             |
| A. Righini, Italy        | C. Tomassetti, Belgium           | K. Wojdermann, Denmark      |
| G. Scarselli, Italy      | A. Tabor, Denmark                | S. Yagel, Israel            |
| M. Stratmeyer, USA       | G. Scarselli, Italy              | E. Zupi, Italy              |
| A. Tabor, Denmark        | M. Stratmeyer, USA               |                              |
| F. Taddei, Italy         | B. Thilagathan, UK               |                              |
| A. Testa, Italy          | T. Kiserud, Norway               |                              |
| B. Toi, Canada           | G. Tóth, Italy                   |                              |
| H. Valsriese, Italy      | D. Timmerman, Belgium            |                              |
| L. Valentin, Sweden      | T. Van den Bosch, Belgium        |                              |
| T. Van den Bosch, Belgium| Y. Ville, France                 |                              |
| Y. Ville, France         | P. Volpe, Italy                  |                              |
| K. Wojdermann, Denmark   | S. Yagel, Israel                 |                              |
| S. Yagel, Israel         |                              |                              |
| E. Zupi, Italy           |                              |                              |

The attendance of Professor S. Eik-Nes and Dr. E. Gratacós at this World Congress has been generously supported by Siemens.
Chairperson, speaker and poster presenter guidelines

If you are chairing a session, or presenting in an oral or oral poster session, it is essential that you refer to the guidelines below. Please note that there may be several sections which are relevant to your activities. If, after reading the guidelines, you have any questions, please address them to the Congress staff in the speakers’ preparation room.

Speakers and poster presenters

It is increasingly difficult to prevent individuals from recording sessions to listen to again once they are offsite. Although participants are asked not to do so, ISUOG can take no responsibility for third party recordings of lectures. **We request that speakers who specifically object to audio/video recording of their presentations state this before their lecture.**

**Chairpersons and speakers: general notes**

- Please ensure that you meet at the front of the session hall 15 minutes before the start of the session to introduce yourselves, and in order for the chairperson to confirm the format for the session.
- 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 of discussion times in your session.
- If you have been asked to give a session overview, you should review the subject and the overall contribution of the scientific presentations with the session to the field.
- The program schedule is extremely tight so all speakers must adhere to the time allocated to them. There will be a countdown displayed on screen. **Should a speaker overrun they will be interrupted by the chairperson who will request that the speaker stop. Please be considerate of other scheduled speakers if you are asked to conclude your talk and please do so promptly.**

**Applicable to chairpersons only**

- There will be a chairpersons’ briefing session on Monday 8 October at 08:00 in the PDC auditorium. Please ensure you attend.
- It is your responsibility to ensure strict adherence to presentation times as listed in the program and to direct and moderate discussion.
- Should a speaker not arrive for his/her presentation, please fill in the additional time with discussion, or provided all other speakers are present, please move forward with the program. However please, as far as possible, try not to deviate dramatically from the advertised program because delegates will rely on precise timing as they move across sessions.
- At the start of the session, please ask the audience to turn off all mobile phones and pagers. Please also remind the audience that the recording of sessions is prohibited unless they have specific permission from the speakers.
- 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 standing microphones within each hall for discussions. Delegates will need to wait behind the microphones for questions. Please direct the audience at the start of the session as to how you wish to manage questions to ensure the best use of time.
- Please note that delegates will not be permitted to stand at the back of the hall due to fire regulations.

**Applicable to speakers only**

- All speakers must report to 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. Speakers can then check their presentation with the audio-visual staff prior to the presentation being sent to the lecture hall.
- Presentation direct from a laptop is only permissible if pre-arranged. If you are presenting from your laptop you still need to report to the speakers’ preparation room the day before your presentation.
- If you are presenting an oral abstract you must 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.**

**PowerPoint posters: general notes**

- Presenters should have emailed their PowerPoint slides in advance of the Congress. The Organisers cannot guarantee that PowerPoint posters can be included if they are not received in advance.
- All PowerPoint poster presenters should report to the speaker preparation room the day before their presentation to check their presentation has been included.
- On the day of presentation, posters will be presented on a continuous rolling loop within the relevant themed poster session area.
- Presentations will be destroyed at the end of the Congress and will not be kept, used again, recorded or otherwise reproduced.

- You will have been previously informed of the day of your poster presentation in your abstract acceptance letter. Please refer to the schedule below for the display times (please note that poster discussion sessions are sometimes displayed for viewing in an alternate location). Presenters should arrive at the relevant poster room at least 10 minutes prior to the listed start time for the discussion group.

<table>
<thead>
<tr>
<th>Day</th>
<th>Poster display times</th>
<th>Oral Poster discussion times</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday 8 October 2007</td>
<td>09:00–17:00</td>
<td>10:00–10:45</td>
</tr>
<tr>
<td>Tuesday 9 October 2007</td>
<td>09:00–13:30</td>
<td>10:00–10:45</td>
</tr>
<tr>
<td>Wednesday 10 October 2007</td>
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<td></td>
</tr>
<tr>
<td>Thursday 11 October 2007</td>
<td>09:00–17:00</td>
<td>10:00–10:45</td>
</tr>
</tbody>
</table>

Applicable to oral poster presenters (chaired discussion sessions) only

- You will have been previously informed of the day of your poster presentation in your abstract acceptance letter. Please refer to the schedule below for the display times (please note that poster discussion sessions are sometimes displayed for viewing in an alternate location). Presenters should arrive at the relevant poster room at least 10 minutes prior to the listed start time for the discussion group.

- Please note that there may be several sections which are relevant to your activities. If, after reading the guidelines, you have any questions, please address them to the Congress staff in the speakers’ preparation room.
Pre-Congress courses

**Course 1**  
Fetal echocardiography: from 2D examination to 3D/4D technology  
*PDA Basement*

**Course directors:** R. Chaoui (Germany); D. Paladini (Italy)

**Course objectives:**
At the end of the course the participants are expected to be able to:
1. Recognize the basic settings needed to correctly assess the fetal heart, both in a screening and in a diagnostic setting;
2. Know the content of the document on the guidelines for fetal cardiac screening proposed by the ISUOG Fetal Echocardiography Task Force;
3. Know how to perform a comprehensive screening of congenital heart disease and be aware of the different methods proposed in the literature with advantages and disadvantages;
4. Recognize the echocardiographic features of major congenital heart diseases;
5. Recognize the diagnostic role of Color Doppler in the detection of congenital heart disease;
6. Recognize the differential aneuploidy risk associated with major congenital heart diseases in the fetus;
7. Have a basic knowledge of the outcomes of the different congenital heart disease;
8. Recognize the possible role of 4D-echocardiography in the diagnosis of congenital heart disease in the fetus;

09:15 Registration  
09:25 Introduction R. Chaoui (Germany)  
09:30 ISUOG Basic Cardiac Screening Guidelines W. Lee (USA)  
09:50 Indication to fetal echo B. Tutschek (Germany)  
10:10 How to adjust the real-Time image and the color Doppler presetting for a proper cardiac scan R. Chaoui (Germany)  
10:30 Fetal arrhythmias J. Copel (USA)  
10:50 Coffee  
11:20 The planes in fetal echo and their accuracy S. Yagel (Israel)  
11:40 Color and Pulsed Wave Doppler echocardiography A. Abuhamad (USA)  
12:00 Malformations detected in the 4CV R. Chaoui (Germany)  
12:30 Discussion  
13:00–14:00 Lunch  
14:00 Malformations detected in the outflow tract views D. Paladini (Italy)  
14:30 Early fetal echocardiography – technique and indications R. Chaoui (Germany)  
14:50 The perinatal management of ductus-dependent CHD D. Paladini (Italy)  
15:10 “Whazzthat?” case presentation and self assessment quizzes R. Chaoui (Germany); D. Paladini (Italy)  
16:40 Final discussion and conclusion of the course  
17:00 Close

**Course 2**  
Fetal neurosonology: from 2D examination to 3D/4D technology and magnetic resonance imaging  
*PDA 2nd floor*

**Course directors:** G. Malinger (Israel); I. Timor-Tritsch (USA)

**Course objectives:**
At the end of the course, the participants are expected to:
1. Know the different approaches and basic planes used in the evaluation of the fetal brain.  
2. Be able to recognize the brain structures depicted during the basic and during the detailed neurosonographic examinations.  
3. Recognize the rapid changes occurring in the fetal brain during the 1st trimester of pregnancy.  
4. Know how to perform a detailed neurosonographic examination for the diagnosis of CNS anomalies.  
5. Understand the role of 3D ultrasound and fetal brain MRI in the diagnosis of CNS anomalies.  
6. Recognize the ultrasonographic features of congenital and acquired brain diseases.  
7. Have a basic knowledge of the outcomes of the different CNS malformations and insults.  
8. Be able to use a simple pattern recognition method as the first step in the diagnostic process of CNS anomalies.  

09:00 Sonoembryology and early diagnosis of anomalies H. Blaas (Norway)  
09:30 The normal fetal brain. 2DUS, 3DUS, MRI I. Timor-Tritsch (USA)  
10:15 Mild Ventriculomegaly I. Timor-Tritsch (USA)  
10:45–11:15 Coffee  
11:15 Comissural anomalies G. Malinger (Israel)  
11:45 Proliferation and migration disorders A. Toi (Canada)  
12:30–13:30 Lunch  
13:30 Prenatal insults affecting the brain G. Pilu (Italy)  
14:30 Cerebellar anomalies G. Malinger (Israel)
### Course 3
**The 11–14 weeks scan**

**Course director:** K. Nicolaides (UK)

The course will be recognised for the theoretical component of the FMF certificate of competence in the 11–14 week scan. The course will include a series of interactive lectures and practical demonstration.

**Program topics:**
1. Screening for Trisomy 21
2. Screening for other chromosomal abnormalities
3. Screening and early diagnosis of cardiac abnormalities
4. Screening and early diagnosis of other fetal abnormalities
5. Screening for pre-eclampsia
6. Diagnosis and management of twin pregnancies
7. Screening for fetal growth restriction

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Course commences</td>
</tr>
<tr>
<td>13:00–14:00</td>
<td>Lunch</td>
</tr>
<tr>
<td>17:00</td>
<td>Close</td>
</tr>
</tbody>
</table>

**Invited speakers (Italy):**
- C. Sachini
- A. Gazzoni
- P. Cavoretto
- S. Cicero
- G. Rembruscos
- F. Molina

### Course 4
**3D ultrasound in gynecology – new opportunities for gynecological imaging**

**Course Directors:** T. Bourne (UK); F. Leone (Italy); P. Scollo (Italy); D. Timmerman (Belgium)

**Course aim:**
To analyze the role of 3D-ultrasound in the management of common gynecological conditions seen in practice. Emphasis will be on short presentations of appropriate analysis of acquired volumes. Off-line re-analysis will encourage the course’s attendants to gain confidence with acquired volumes of different gynecological conditions.

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Welcome and introduction T. Bourne (UK), P. Scollo (Italy)</td>
</tr>
<tr>
<td>09:05</td>
<td>Ultrasound equipment and volume acquisition Speaker TBC</td>
</tr>
<tr>
<td>09:20</td>
<td>Volume analysis (Multiplanar display, rendering, VOCAL, TUI, VCI, inversion mode) J. Levaillant (France)</td>
</tr>
<tr>
<td>09:40</td>
<td>The practical application of 3D in gynaecology B. Benacerraf (USA)</td>
</tr>
<tr>
<td>10:00</td>
<td>3D stored cases analysis</td>
</tr>
<tr>
<td>10:30–11:00</td>
<td>Coffee</td>
</tr>
<tr>
<td>11:00</td>
<td>Adenomyosis &amp; Endometrial Hyperplasia F. Leone (Italy)</td>
</tr>
<tr>
<td>11:20</td>
<td>Submucous myoma T. Bignardi (Italy)</td>
</tr>
<tr>
<td>11:40</td>
<td>Urogynecology H. Dietz (Australia)</td>
</tr>
<tr>
<td>12:00</td>
<td>3D stored cases analysis</td>
</tr>
<tr>
<td>12:45–13:30</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30</td>
<td>Ovarian masses L. Valentin (Sweden)</td>
</tr>
<tr>
<td>14:00</td>
<td>Uterine neoplasms J. Alcazar (Spain)</td>
</tr>
<tr>
<td>14:20</td>
<td>3D stored cases analysis</td>
</tr>
<tr>
<td>15:05</td>
<td>Discussion</td>
</tr>
<tr>
<td>15:15–15:30</td>
<td>Tea</td>
</tr>
<tr>
<td>15:30</td>
<td>Infertility N. Raine-Fenning (UK)</td>
</tr>
<tr>
<td>15:50</td>
<td>Uterine malformation D. Jurkovic (UK)</td>
</tr>
<tr>
<td>16:10</td>
<td>Tubal patency C. Exacoustos (Italy)</td>
</tr>
<tr>
<td>16:30</td>
<td>3D stored cases analysis</td>
</tr>
<tr>
<td>17:00</td>
<td>Close</td>
</tr>
</tbody>
</table>
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- Gynecology: oncology; infertility; menopause; urogynecology
- Breast Imaging

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Program – Sunday 7 October 2007

Course 5  Application of Doppler ultrasound  PDC 2.Sala Verde

Evaluation of fetal hemodynamics: challenges and frontiers  
Course Directors: E. Ferrazzi (Italy); R. Romero (USA)

09:00 The Evolution of Volume Flow Estimation in Maternal-Fetal Medicine  
Chair: Enrico Ferrazzi

Why blood flow quantitation? K. Marsál (Sweden)
Validation of umbilical vein blood flow: a systematic comparison of Doppler-derived estimations vs. invasive assessment in animals – live demo E. Ferrazzi (Italy)
Mathematical modelling of the uteroplacental and fetal circulations and implications for clinical practice G. Pennati, Italy
Uterine artery volume flow estimation in the human fetus S. Rigano (Italy)
Umbilical vein flow volume measurements in the human fetus G. Acharya (Norway)
Volume flow in the ductus venosus M. Bellotti (Italy)
Blood flow estimation in the fetal circulation T. Kiserud (Norway)
Vasodilatation of the middle cerebral artery and other vascular territories in the fetal brain E. Gratacós (Spain)
Panel Discussion Moderator: E. Ferrazzi (Italy)

12:00–13:00 Lunch

13:00 Biological Correlates of Changes in Doppler Waveform Analysis and Blood Flow  
Chair: R. Romero (USA)

Angiogenesis and anti-angiogenesis in pre-eclampsia and intrauterine growth restriction R. Romero, USA
Metabolic consequences of changes in utero-placental blood flow A. Marconi, Italy
Placental vascular disease (defined by Doppler) and endothelial pathology B. Trudinger, Australia
The innate immune response during placentation and its importance in the establishment of an adequate utero-placental circulation I. Cetin, Italy
Uterine artery Doppler and the state of trophoblast invasion A. Papageorghiou, UK
Panel Discussion Moderator: R. Romero, USA

15:00 Tea

15:30 State of the Art Evaluation of the IUGR Fetus with Doppler and Other Techniques  
The expert Doppler assessment of the IUGR fetus: live demo G. Mari, USA
What have we learned from observational studies? A. Baschat, USA
A prospective randomized clinical trial comparing Doppler vs. cardiotocography: The TRUFFLE network. The practical rationale – live demonstration T. Frusca Brescia, Italy
The TRUFFLE network: preliminary results C. Lees, UK
Panel Discussion Moderator: Speaker TBC

17:00 Close

Course 6  Fitting 3D ultrasound into your practice  PDC 2.02

You bought it – now what do you do with it!  
Course Directors: T. Nelson (USA); J. Abramowicz (USA); H. Blaas, Norway

Basic Techniques  
Explain the basic strategy behind use of 3DUS equipment. How to setup and use 3D-ultrasound machine features; basic techniques, rendering modes (surface, transparency, volume measurements etc)

09:00 Acquisition T. Nelson (USA)
09:10 Display T. Nelson (USA)
09:20 Storage T. Nelson (USA)
09:25 Safety J. Abramowicz (USA)
09:35 Artifacts J. Abramowicz (USA)
09:45 Measurements H. Blaas, Norway

Clinical Scanning Equipment – Vendor Demonstrations  
Discussion of how a clinical user would use one of features to improve clinical utility of 3DUS studies

10:00 General Electric – how to perform VOCAL measurements P. Falkensammer, Austria
10:15 Medison – how to perform thick-slicing imaging
10:30 Philips – how to implement scanning Protocols
10:45 Siemens – how to perform multi-slice volume review

11:00 Coffee

Clinical Applications – Obstetrics

11:30 Literature review of Validated Clinical Applications H. Blaas, Norway
11:50 Description of normal anatomy E. Merz, Germany
12:10 Common clinical anomalies – where 3DUS makes a contribution B. Benoit, France

12:30 Lunch
Program – Sunday 7 October 2007

Case review of commonly encountered anomalies – demonstrate acquisition and analysis protocol for commonly found anomaly
13:30   Head, Face, lips and palate  S. Campbell (UK)
13:45   CNS  I. Timor-Tritsch (USA)
14:00   Body, Heart, Lungs  G. DeVore (USA)
14:15   Extremities, Placenta  B. Benacerraf (USA)

Clinical Applications – Gynecology
14:30   Literature Review of Validated Clinical Applications  H. Blaas (Norway)
14:45   Description of normal anatomy  B. Benacerraf (USA)
15:05   Common clinical anomalies – where 3DUS makes a contribution  G. Pilu (Italy)
15:25   Pelvic Floor – the new frontier  H. Dietz (Australia)
15:45   Coffee

Case review of commonly encountered anomalies – demonstrate acquisition and analysis protocol for commonly found anomaly
16:15   Uterus  M. Pretorius (USA)
16:30   Ovaries  I. Timor-Tritsch (USA)
16:45   Pelvic Floor  S. Yagel (Israel)
17:00   Close

Opening ceremony and welcome reception
17:30   Opening ceremony  PDC Auditorium
        ISUOG movie
        Welcome
        K. Hecher (Germany), ISUOG President
        E. Ferrazzi, D. Paladini, G. Pilu (Italy), Congress Co-Chairmen
        Presentation of the Ian Donald Medals
        R. Romero (USA);  S. Eik-Nes (Norway)
        The touch and the eye
        G. Pilu (Italy)
18:15   Who wants to be an ultrasound millionaire?
        Chairs: A. Baschat (USA); L. Platt (USA)
        Professors: I. Timor-Tritsch (USA); B. Benacerraf (USA); S. Campbell (UK); S. Goldstein (USA); J. Hobbins (USA);
        P. Jeanty (USA)
        Challengers: A. Papageorghiou (UK); G. Condous (Australia); J. Nizard (France); L. Pasquini (UK); F. Prefumo (Italy);
        K. Wojdemann (Denmark)
19:15–21.30   Drinks reception  Gardens
09:00–17:00  Medison satellite education area^  PDA 4

**Program – Monday 8 October 2007**

09:00–10:00  Back to the future  PDC Auditorium

Chair: L. Platt (USA)
Discussants: S. Campbell (UK); J. Hobbins (USA); M. Hansmann (Germany); A. Kratochwil (Austria)

09:00–10:00  Fetal growth anomalies I  PDA 2nd Floor

Chairs: Z. Alfafsci (UK); S. Eik-Nes (Norway)

09:00–10:00  Pelvic pain and endometrosis – joint SEGI session  PDA Basement

Chairs: G. Scarselli (Italy); C. Chapron (France)

08:30–10:00  Chaired oral poster discussions (#sponsored by Medison)  PDA G. Onice

10:00–10:45  OP01: Maternal Doppler  PDA 3.B

Chair: C. Lees (UK); H. Valensise (Italy)

10:00–10:45  OP02: Fetal therapy I  PDA 3.B

Chairs: E. Gratacos (Spain); K. Hecher (Germany)

10:00–10:45  OP03 : MRI  PDA 2.B

Chairs: Y. Ville (France); A. Righini (Italy)

10:00–10:45  OP04 & OP05: Early pregnancy I & II  Presentation: PDA Basement Viewing: PDC 1.01

Chairs: C. Bottomley (UK); D. Jurkovic (UK)

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# Poster sessions are generously supported by Medison. Scientific content is as provided by presenting authors.
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- Matrix Volume transducers
- VCAD - Revolutionize your workflow in the diagnosis of the fetal heart
- Speckle Reduction Imaging specific to different organs

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# Program – Monday 8 October 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Chairs</th>
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<tbody>
<tr>
<td>10:00–10:45</td>
<td><strong>OP06: CHD: diagnosis and outcome</strong></td>
<td>PDA 3.A</td>
<td>G. DeVore (USA); F. Taddei (Italy)</td>
</tr>
<tr>
<td>10:00–10:45</td>
<td><strong>OP07: First trimester ultrasound examination</strong></td>
<td>PDC 2, Sala Verde</td>
<td>G. Monni (Italy); L. Pasquini (Italy)</td>
</tr>
<tr>
<td>10:00–10:45</td>
<td><strong>OP21: Fetal anomaly scan</strong></td>
<td>PDA 2.02</td>
<td>A. Gagnon (Canada); C. Bilardo (Netherlands)</td>
</tr>
<tr>
<td>10:00–10:45</td>
<td><strong>OP22: Ultrasound in labour</strong></td>
<td>PDA 1.A</td>
<td>H. Dietz (Australia); B. Tutschek (Germany)</td>
</tr>
</tbody>
</table>

Poster viewing is available all day for OP sessions as listed above and:
- P26: Fetal Abdomen
- P27: Anomalies of the placenta and umbilical cord
- P28 & P29: Early pregnancy I & II
- P30: MRI
- P31: First trimester screening for Down syndrome
- P32: Fetal echocardiography and CHD I
- P48: Ultrasound in labour
- P50: First trimester screening for syndromes and malformations

**10:30–11:15 Coffee and poster viewing**

**11:15–12:30 The fetal anomaly scan at 20 weeks (sponsored by Philips)**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:15</td>
<td><strong>Live scan demonstration</strong></td>
<td>PDC Auditorium</td>
<td>P. Jeanty (USA)</td>
</tr>
<tr>
<td>11:35</td>
<td><strong>Overview</strong></td>
<td>PDC Auditorium</td>
<td>T. Todros (Italy)</td>
</tr>
<tr>
<td>11:50</td>
<td>Impact of 15 years of prenatal ultrasound examination on trends in termination of pregnancy in a non-selected population of 41 382 births in Norway</td>
<td>OC10</td>
<td>K. Offerdal; H. Blaa; S. Eik-Nes (Norway)</td>
</tr>
<tr>
<td>11:55</td>
<td><strong>Discussion</strong></td>
<td>OC11</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Feasibility and reproducibility of an image scoring method for quality assessment of standard ultrasound planes at second trimester examination</td>
<td>OC12</td>
<td>L. Salomon; N. Winer; J. Bernard; Y. Ville (France)</td>
</tr>
<tr>
<td>12:05</td>
<td>Prenatal diagnosis of duplex kidneys: does it make any difference?</td>
<td>OC13</td>
<td>S. Whitten; D. Wilcox; L. Chitty (UK)</td>
</tr>
<tr>
<td>12:10</td>
<td>Long-term follow-up of children with prenatally diagnosed urinary tract malformations</td>
<td>OC14</td>
<td>J. Stupin; M. Albert; I. Fuchs; F. Eckoldt; J. Gellermann; C. Czernik; J. Dudenhausen; W. Henrich (Germany)</td>
</tr>
<tr>
<td>12:15</td>
<td>Characteristics and outcome of prenatally diagnosed fetal omphalocele</td>
<td>OC15</td>
<td>C. Kleinrouweier; C. Bilardo; C. Kuiper; E. Paakht (Netherlands)</td>
</tr>
<tr>
<td>12:20</td>
<td><strong>Discussion</strong></td>
<td>OC16</td>
<td></td>
</tr>
</tbody>
</table>

**11:15–12:30 Magnetic Resonance Imaging in Obstetrics**

<table>
<thead>
<tr>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>11:15</td>
<td><strong>Overview</strong></td>
<td>PDA 2nd Floor</td>
<td>D. Levine (USA)</td>
</tr>
<tr>
<td>11:35</td>
<td>Concordance of prenatal US and MR diagnoses in fetuses referred for ventriculomegaly</td>
<td>OC15</td>
<td>D. Levine; J. Kazan-Tannus; T. Metha; J. Estoff; T. Poussaint; R. Robertson; C. Robson; C. Barnewolt; M. Magnino; H. Felman (USA)</td>
</tr>
<tr>
<td>11:40</td>
<td>Early detection of focal cortical gyration anomalies: prenatal MR imaging</td>
<td>OC16</td>
<td>A. Righini; C. Parazzini; C. Doneda; L. Avaglano; M. Rustico; G. Buflamante; F. Triulzi (Italy)</td>
</tr>
<tr>
<td>11:45</td>
<td>Quantitative and qualitative vermis and posterior fossa evaluation by Magnetic Resonance Imaging in fetuses with suspected abnormal findings by US</td>
<td>OC17</td>
<td>D. Twickler; C. Read; J. Dashe (USA)</td>
</tr>
<tr>
<td>11:50</td>
<td><strong>Discussion</strong></td>
<td>OC18</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>CMV-related fetal brain lesions: comparison between magnetic resonance imaging and targeted ultrasound examination</td>
<td>OC19</td>
<td>G. Benoist; B. Suarez; M. Mohlo; F. Jacquemard; A. Dejean; L. Salomon; Y. Ville (France)</td>
</tr>
<tr>
<td>12:05</td>
<td>Ultrasound versus magnetic resonance in prenatal diagnosis of fetal malformations</td>
<td>OC20</td>
<td>H. Munoz; X. Ortega; G. Soito; M. Parra; C. Schnapp; R. Gomez; L. Medina; M. Yamamoto; J. Astudillo (Chile)</td>
</tr>
<tr>
<td>12:10</td>
<td>Comparison of prenatal sonography and MR imaging in congenital respiratory system lesions</td>
<td>OC21</td>
<td>X. Chen; S. Zhao; X. Yang; D. Lu; Z. Sun (China)</td>
</tr>
<tr>
<td>12:15</td>
<td>Post-mortem magnetic resonance imaging of the fetus – an important adjunct to the formal autopsy</td>
<td>OC22</td>
<td>E. Whittby; M. Paley; P. Griffiths; M. Cohen (UK)</td>
</tr>
</tbody>
</table>

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Program – Monday 8 October 2007

11:15–12:30 Complimentary imaging and deep endometriosis

**PDA Basement**

11:15 Practical application of 3D ultrasound in Gynecology

B. Benacerraf (USA)

11:25 Sonovaginography versus Nuclear Magnetic Resonance in the assessment of recto-vaginal endometriosis

E. Cosmi; E. Spiller; M. Bonora; B. Baldasso; C. Saccardi; A. Tregnaghi; P. Litta (Italy)

11:30 Magnetic resonance imaging and transvaginal ultrasonography in the diagnosis of location of deep infiltrating endometriosis or adnexal mass associated with chronic pelvic pain or infertility

S. Guerriero; M. Gerada; S. Ajossa; B. Virgilio; M. D’Aquila; A. Atzei; R. Sulcis; L. Saba; C. Politi; S. Piras; G. Mallarini; G.B. Melis (Italy)

11:35 Sonographic features of abdominal wall endometriotic nodules, a frequently misdiagnosed condition

L. Savelli; M. Nanni (Italy)

11:40 The Role of PET/CT in evaluation of sonographically difficult adnexal masses

F. Leone; M. Petullà; G. Maconi; C. Marcante; A. Crepaldi; T. Bignardi; E. Ferrazzi (Italy)

11:45 The “pulling-out sign” for intestinal deep infiltrating endometriosis: prognostic role of findings at 3D-transvaginal sonography

F. Leone; M. Petullà; G. Maconi; C. Marcante; A. Crepaldi; T. Bignardi; E. Ferrazzi (Italy)

11:50 Effects of medical therapy on deep endometriosis: a sonographic study

C. Exacoustos; M.E. Romanini; A. Amadio; C. Amoroso; B. Szabolcs; E. Zupi; D. Arduino (Italy)

11:55 Cost-effectiveness of magnetic resonance image-guided focused ultrasound (MRgFUS) for the treatment of uterine fibroids

A. O’Sullivan; M. Weinstein; D. Thompson; P. Chu; D. Lee; E. Stewart (USA)

12:00 Identifying uterine adenomyosis

D. Timmerman (Belgium)

12:10 Characteristics of ovarian endometriosis

L. Valentin (Sweden)

12:15 Discussion

**GE satellite symposium**

**PDC Auditorium**

Clinical application of the latest developments in Volume Ultrasound

Chair: G. Pilu (Italy)

Fetal heart early assessment

D. Paladini (Italy)

New ultrasound tools in obstetric examination

B. Benoit (Germany)

New ultrasound tools in gynecology examination

N. Raine-Fenning (UK)

12:30–14:00 Lunch and poster viewing

14:00–15:30 Screening for aneuploidy at 11–14 weeks I (*sponsored by Toshiba)

**PDC Auditorium**

Chairs: K. Nicolaides (UK); G. Pilu (Italy)

14:00 Live scan demonstration

C. Bilardo (Netherlands)

14:20 Role playing

The sonologist: K. Nicolaides (UK)

The parents: A. Tabor (Denmark); L. Platt (USA)

14:55 Women’s satisfaction with the OSCAR (One Stop Clinic Assessment of Risk) model of first trimester combined screening

J. Johnson; R. Kohut; R. Simrose; D. Dewey; G. Connors; J. Pollard; D. Jones; I. Lange (Canada)

15:00 Pregnancy choices after prenatal diagnosis of aneuploidy in a setting in which elective pregnancy termination is not locally available

S. Said; M. Geary; F. Malone (Ireland)

15:05 Discussion

15:15 Increased fetal nuchal translucency in chromosomally normal fetuses: an analysis of outcome

A. Chiriac; P. Kreiselmaier; A. Schwarze; C. Berg; A. Geipel; M. Krupp; U. Germer; U. Gembruch; R. Axt-Fliedner (Germany)

15:20 Normal fetal and neonatal outcome after very enlarged NT

E. Timmerman; M. Müller; E. Pajot; C. Bilardo (Netherlands)

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Program – Monday 8 October 2007

15:25 Discussion

14:00–15:30 Fetal growth anomalies from diagnosis to intervention  
**PDA 2nd Floor**

Chairs: K. Martšál (Sweden); H. Valensise (Italy)

14:00 Three-dimensional ultrasound hourly fetal urine production rate (HFUPR): reliability of rotational (VOCAL) technique using different step of rotation  
F. Peixoto-Filho1; R. Moreira de Sa1; L. Lopes1; L. Velarde1; E. Marchiori1; Y. Ville1  
(Brazil); 2(France)  
OC35

14:05 Liver-to-kidney volume ratio by Virtual Organ Computer-aided Analysis (VOCAL)  
A. Lysikiewicz; D. Maulik; O. Langer; A. Balcer (USA)  
OC36

14:10 Discussion

14:15 The association of isolated midtrimester short femur with perinatal outcome  
B. Weisz1; A. David1; D. Chitty1; D. Peebles1; P. Pandya1; C. Rodeck1  
(Israel); 2(UK)  
OC37

14:20 Discussion

14:23 Estimated fetal weight by 2 operators improves identification of small for gestational age fetuses  
J. Nizard1; M. Rahmati2; Y. Ville (France)  
OC38

14:28 Discussion

14:31 Small for gestational age and fetal growth restricted very low birth weight neonates have different postnatal weight growth curves  
V. Ciriminna1; G. Rossetti1; P. Gaglioti1; M. Mensa1; G. Ogge1; M. Oberto1; E. Spada1; S. Milani1; C. Fabris1  
T. Todros (Italy)  
OC39

14:36 Discussion

14:39 A comparison of 2D and 3D US methods of assessing fetal fat in growth abnormalities using customised birthweight outcomes  
G. Parry (New Zealand)  
OC40

14:44 Discussion

14:47 Assessing IVS thickness as a predictor of LGA in pregnancy complicated by diabetes mellitus  
H. Mikowska Wozniak1; J. Brazert1; E. Wender Ozegowska1; A. Persona Sliwinska1; E. Bieczysko1; R. Biczyśko (Poland)  
OC41

14:52 Discussion

14:55 Evaluation of the impact of the prescence or absence of preecclampsia on fetal cardiac function in intrauterine growth restricted fetuses  
A. Rabanal1; F. Crisp1; E. Hernandez-Andrade1; J. Benavides-Serralde1; O. Gomez1; M. Comas1; F. Figueras1; E. Gratudos (Spain)  
OC42

15:00 Intrauterine Growth Restriction and cardiovascular disease before and after birth  
E. Cosmi1; D. Tevisanuto1; V. Zanardo1; S. Doglioni1; A. Ambrosini1 (Italy)  
OC43

15:05 Discussion

15:10 Treatment of severe vascular fetal intrauterine growth restriction with L-Arginine: a multicentre prospective double-blind randomized placebo-controlled study  
N. Winer1; B. Branger1; E. Azria1; J. Roze1; P. Descamps1; H. Philippe1; D. Darmaun1 (France)  
OC44

15:15 Effect of maternal glucose loading on fetal blood flow distribution  
G. Haugen1; J. Bolletste1; T. Henriksen1 (Norway)  
OC45

15:20 Discussion

15:25 Discussion

14:00–15.30 Early pregnancy I: miscarriage  
**PDA Basement**

Chairs: S. Goldstein (USA); C. Battaglia (Italy)

14:00 The role of biochemistry in early pregnancy  
F. Petraglia (Italy)  
OC46

14:20 The basic science and management of recurrent miscarriage  
I. Manyonda (UK)  
OC47

14:40 Using ultrasound to diagnose gestational trophoblastic disease  
A. Papageorghiou (UK)  
OC48

14:45 How should we define miscarriage?  
D. Jukovic (UK)  
OC49

14:50 Does discrepancy between expected and measured crown rump length in the early first trimester predict subsequent miscarriage?  
C. Bottomley1; E. Kirk1; F. Mukri1; C. Schoeb1; T. Bourne1; A. Papageorghiou1 (UK)  
OC50

14:55 Discrepancy in crown-rump length between twins as a predictor of spontaneous embryonic demise to a singleton pregnancy  
S. Borg1; A. Papageorghiou1; C. Bottomley1; L. Tan1; F. Mukri1; T. Bourne1 (UK)  
OC51

15:00 Development of a model to predict ability of ultrasound to make a diagnosis at first assessment in the unselected early pregnancy population  
C. Bottomley1; V. Van Belle1; F. Mukri1; S. Van Hulfe1; D. Timmerman1; T. Bourne1  
(Elba); 2(Belgium)
Program – Monday 8 October 2007

15:05  Increasing endometrial thickness significantly predicts normal intrauterine pregnancy  
E. Moschos; D. Twickler (USA)  

15:10  Gestational sac volume estimation using a novel method of volume assessment – AVM-3D and chorion volume measurements using Vocal in early pregnancy  
M. Pietrzyk; A. Zawiejska; Z. Kurpik; J. Brazert (Poland)  

15:15  Discussion

15:30–16:00  Coffee and poster viewing

16:00–16:30  Diagnosis of fetal anomalies at 11–14 weeks (*sponsored by Medison)  
PDC Auditorium

**16:00**
Live scan demonstration  
S. Yagel (Israel)

**16:20**
Overview  
H. Blaas (Norway)

**16:30**
Transabdominal fetal cardiac examination in cases with enlarged nuchal translucency for chromosomal abnormality screening  
M. Zoppi; R. Ibba; C. Axiana; M. Floris; F. Manca; G. Monni (Italy)

**16:40**
Prenatal diagnosis of central nervous system anomalies at 11–14 weeks of gestation  
W. Sepulveda; A. Wong; V. Dezerega (Chile)

**16:45**
Discussion

**16:55**
Sonographic detection of umbilical cord cysts and associated findings during pregnancy; a 5 year experience  
J. Villa; S. Weiner (USA)

**17:00**
The umbilical cord multiple cysts in the first trimester: a marker of increased unfavorable pregnancy  
G. Centini; L. Rosignoli; G. Tonni (Italy)

**17:05**
Discussion

**17:10**
Miscarriage after a normal scan at 12–14 gestational weeks in women at low risk of carrying a fetus with chromosomal anomaly according to nuchal translucency screening  
M. Westly; K. Källén; S. Saltvedt; H. Almstroem; C. Grunewald; L. Valentin (Sweden)

**17:15**
Enlarged nuchal translucency in the same woman in different pregnancies  
M. Zoppi; R.M. Ibba; C. Axiana; M. Floris; F. Manca; G. Monni (Italy)

**17:20**
Discussion

16:00–18:10  Symposium on safety of diagnostic ultrasound  
(PDA 2nd Floor  
(in conjunction with WFUMB)

**16:00**
Introduction, purpose of workshop and expected outcome  
S. Barnett (Australia)

**16:05**
Hot Topic Debate: ‘The non-clinical use of ultrasound is safe and beneficial’  
For  
S. Campbell (UK)

**16:20**
Against  
L. Platt (USA)

**16:35**
Rebuttals

**16:45**
Open Forum Public Response  
Invited Presentations

**16:55**
Bioeffects & Safety Risk  
J. Abramowicz (USA)

**17:00**
Epidemiology and relevance of neural migration studies  
K. Maršík (Sweden)

**17:05**
Where could there be a role for keepsake images?  
B. Breznicka (USA)

**17:15**
Ethical issues – patient rights, potential misuse  
C. Breznicka (Austria)

**17:25**
Live scanning of pregnant models for equipment exhibitions  
G. Corti (Brazil)

**17:35**
Medico-Legal implications – unlicensed operators  
J. Copel (USA)

**17:45**
Regulators perspective (FDA, EMEA)  
M. Stratmeyer (USA)

**17:55**
Expert panel (inc. debaters) & public discussion

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Program – Monday 8 October 2007

16:00–17:30 Early pregnancy II: PUL and ectopic pregnancy  

**Chairs:** T. Bourne (UK); A. Ngu (Australia)

16:00
Managing pregnancies of unknown location – discriminatory zones, curettage or mathematical models?

G. Condous (Australia)

16:15
The ultrasound diagnosis and management of ectopic pregnancy

E. Kirk; L. Tan; F. Mukri; C. Bottomley; S. Bora; G. Condous; A. Papageorghiou; T. Bourne (UK)

16:30
The efficacy of surgical and conservative management of Caesarean scar pregnancies

J. Ben Nagi; E. Sawyer; D. Mavrelos; A. Day; S. Helmy; D. Jurkovic (UK)

16:35
Fertility outcomes following interstitial pregnancy

E. Sawyer; S. Helmy; J. Ben Nagi; A. Day; J. Yazbek; D. Jurkovic (UK)

16:40
Why are some ectopic pregnancies missed on the initial ultrasound examination?

E. Kirk; A. Papageorghiou; G. Condous; L. Tan; S. Bora; T. Bourne (UK)

16:45
Pain and bleeding in the prediction of initial ultrasound findings and first trimester pregnancy outcome

C. Bottomley; E. Kirk; F. Mukri; T. Bourne; C. Schoeb; A. Papageorghiou (UK)

16:55
Persisting pregnancies of unknown location: challenges in diagnosis and management

L. Tan; E. Kirk; A. Papageorghiou; G. Condous; F. Mukri; S. Bora; T. Bourne

17:00
The use of serum hCG and progesterone measurement to reduce the need for follow up of women with pregnancies of unknown location

A. Day; E. Sawyer; D. Mavrelos; T. Holland; J. Ben Nagi; D. Jurkovic (UK)

17:05
Ability to make a diagnosis at first early pregnancy ultrasound assessment according to gestational age

C. Bottomley; V. Van Belle; F. Mukri; E. Kirk; A. Papageorghiou; S. Van Huffel; D. Timmerman; T. Bourne

17:10
Discussion
Oral poster presentations – sponsored by MEDISON

Discussion groups for oral posters: 10:00–10:45
Viewing available all day

OP01: Maternal doppler

Chairs: C. Lees (UK); H. Valensise (Italy)

Maternal orbital vessels Doppler velocimetry in gestational diabetes mellitus

M. Wielgos (Poland)

First trimester arterial wave analysis compared with first trimester uterine artery Doppler as a tool for predicting pre-eclampsia

A. Khalil (United Kingdom)

Maternal cardiovascular function and ambulatory blood pressure monitoring in pregnancies complicated by fetal growth restriction

F. Prefumo (Italy)

Total vascular resistance is already elevated at 24 weeks in patients with subsequent complications in persisting bilateral notching of uterine artery Doppler waveforms

B. Vassapollo (Italy)

A notch in the uterine artery during pregnancy is a sign of increased placental vascular resistance and not a reflection of increased peripheral vascular impedance

M. Dubiel (Poland)

Reduction of uterine artery blood flow volume is correlated to reduced fetal mass in pregnancies with abnormal uterine resistance index

S. Ripano (Italy)

Prognostic role of uterine arteries Doppler in patients with late onset preeclampsia

T. Gh (Italy)

Predictive value for adverse perinatal outcome of uterine artery Doppler at onset of preeclampsia compared with classical fetal Doppler indices in early vs. late preeclampsia

E. Melo (Spain)

Uterine Doppler findings and perinatal outcome in small for gestational age fetuses delivered near term

M. Segato (Italy)

Third trimester uterine artery Doppler and adverse obstetric outcome

A. Valcamonico (Italy)

A two-tier approach to the diagnosis of small-for-gestational age fetuses in a low-risk population

S. Gabrielli (Italy)

Effect of the persistence in the power Doppler ultrasound recordings for the estimation of fractional moving blood volume in fetuses

M. Scheier (Spain)

Quantification of extracellular DNA in maternal plasma in placenta associated disorders and physiological pregnancies – a pilot study

K. Dlouha (Czech Republic)

Elevation of Pentraxin (PTX3) levels in the first trimester of pregnancy in women with subsequent pre-eclampsia

A. Papageorghiou (United Kingdom)

PAPP-A and fetal growth from week 12 to week 20

J. Salvig (Denmark)

OP02: Fetal therapy I

Chairs: E. Gratacós (Spain); K. Hecher (Germany)

Long term pulmonary gene therapy with a lentiviral vector in a fetal rat model

J. Deprest (Belgium)

Fetal echogenic lung lesions: evolution and outcome

E. Carreras (Spain)

Maternal hyperoxygenation test in fetuses with congenital diaphragmatic hernia and correlations with neonatal respiratory function

E. Doné (Belgium)

Prenatal intervention in fetuses with severe congenital diaphragmatic hernia and congenital cystic adenomatoid malformation

P. Klaritsch (Belgium)

Thoraco-amniotic shunting as treatment for fetal pleural effusion

M. Lanna (Italy)

The chick embryo as a model for intrauterine ultrasound-guided heart interventions

M. Meyer-Wittkopf (Switzerland)

Long term outcome of fetal tachyarrhythmia

M. Krape (Germany)

Non immune hydrops fetalis (270 cases) – optimization of diagnosis and therapy

P. Kaczmarak (Poland)

Measurement of cardiac contractility using fetal isovolumetric contraction time in fetal anemia caused by Rhesus alloimmunization

Y. Fujita (Australia)

Management of alloimmunised pregnancies and analysis of neonatal outcome

L. Giorgi (United Kingdom)
Ultrasound investigations of Parvovirus B19 Erythrovirus infected pregnant women in Denmark 1994 to 2006
K. Carlsen (Denmark)

**OP03: MRI**

**Chairs:** Y. Ville (France); A. Righini (Italy)

**Relationship between lung area at ultrasound and lung volume with Magnetic Resonance Imaging (MRI) in isolated congenital diaphragmatic hernia (CDH)**
J. Deprest (Belgium)

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OP03.01

**Magnetic resonance imaging of the fetal lung: a pictorial essay**
M. Cannie (Belgium)

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OP03.02

**The value of ultrasound and MRI in fetal anomalies diagnosis**
A. Ceran Alicie (Poland)

**Abstract no.**
OP03.03

**Fetal malformations: comparison of MRI imaging and ultrasonography for diagnosis**
S. Gruessner (Germany)

**Abstract no.**
OP03.04

**Confidence of reporting fetal virtopsy as compared to conventional necropsy**
M. Cannie (Belgium)

**Abstract no.**
OP03.05

**Diffusion-Weighted Magnetic Resonance Imaging of the human placenta**
W. Lee (United States)

**Abstract no.**
OP03.06

**Placenta percreta: Early diagnosis and long term follow up by MRI and US with a placenta left in situ**
F. Chantraine (Belgium)

**Abstract no.**
OP03.07

**Utility of MRI in the evaluation of abnormal placenta**
S. Laifer-Narin (United States)

**Abstract no.**
OP03.08

**MRI evaluation of pregnancies with an indeterminate location on ultrasound**
S. Laifer-Narin (United States)

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**Value of open MR in obstetrics**
T. Soares Pereira (Brazil)

**Abstract no.**
OP03.10

**Clinically silent extracranial and intracranial haemorrhages – are these a significant pathology or not?**
L. Wallis (United Kingdom)

**Abstract no.**
OP03.11

**Antenatal MRI in the diagnosis and management of fetal renal and suprarenal pathology**
L. De Catte (Belgium)

**OP04 & OP05: Early pregnancy I & II**

**Chairs:** C. Bottomley (UK); D. Jurkovic (UK)

**Has ultrasound eliminated the need for a vaginal speculum examination in the assessment of women with bleeding in early pregnancy?**
S. Bora (United Kingdom)

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OP04.01

**Serum hCG clearance curves in patients with tubal ectopic pregnancies managed expectantly**
S. Helmy (United Kingdom)

**Abstract no.**
OP04.02

**Ultrasound diagnosis of ectopic pregnancy in the non-communicating horn of a unicormuate uterus (cornual pregnancy)**
D. Mavrelos (United Kingdom)

**Abstract no.**
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**HCG Ratios- Can they be validated for management of PULs?**
S. Kapoor (United Kingdom)

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**Surgical termination of early pregnancy under interrupted ultrasound guidance**
C. Christodoulou (Greece)

**Abstract no.**
OP04.05

**Three dimensional ultrasound parameters in the first trimester**
M. Odeh (Israel)

**Abstract no.**
OP04.06

**Predicting early pregnancy loss with Functional Linear Discriminant Analysis (FLDA)**
A. Daemen (Belgium)

**Abstract no.**
OP04.07

**Does the location of a subchorionic haematoma in early pregnancy affect the miscarriage rate?**
F. Mukri (United Kingdom)

**Abstract no.**
OP04.08

**3D ultrasound volumetry – growth abnormalities of the gestational sac in the first trimester of pregnancy: relation to pregnancy outcome**
K. Koterova (Czech Republic)

**Abstract no.**
OP05.01

**Can transvaginal ultrasound at 7–9 weeks reliably diagnose chorionicity and amnionicity in twin pregnancies?**
S. Bora (United Kingdom)

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**Doppler ultrasound in management of gestational trophoblastic disease**
M. Pietryga (Poland)

**Abstract no.**
OP05.03

**Assigning carnegie stages to embryos visualized with 3D ultrasound using a virtual reality system**
C. Verwoerd-Dikkeboom (Netherlands)

**Abstract no.**
OP05.04

**Recurrent spontaneous abortion: uterine arteries blood flow and three-dimensional sonographic evaluation of endometrial and subendometrial vascularity**
N. Lazzarin (Italy)

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**Comparisons of embryonic and yolk sac measurements in early pregnancy using 3D ultrasound and virtual reality**
C. Verwoerd-Dikkeboom (Netherlands)

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**OP06: CHD Diagnosis and Outcome**

*PDA 3.A*

**Chairs:** G. DeVore (USA); F. Taddei (Italy)

- Isolated VSD in not associated with trisomy 21
  - O. Shen (Israel)

- Apical and mid-muscular ventricular septal defects in the fetus: prenatal characteristics and outcome
  - J. Wolfenden (United Kingdom)

- Small left ventricle and small aorta in the fetus; when may be considered a normal finding?
  - P. Guerra (Chile)

- Current outcome of isolated hypoplastic left heart syndrome diagnosed in utero
  - A. Perolo (Italy)

- Prenatal diagnosis of atrioventricular septal defect – associated anomalies and outcome in 246 consecutive cases
  - C. Berg (Germany)

- Prenatal diagnosis of tricuspid atresia – intrauterine course and outcome in 41 consecutive cases
  - R. Lachmann (Germany)

  - G. Campobasso (Italy)

- Prenatal constriction of ductus arteriosus – analysis of 30 cases
  - M. Respondek-Liberska (Poland)

- Prenatal detection of major congenital heart malformations in Singapore (a comparison of public and private institutions from 1995–2004)
  - K. Tan (Singapore)

- Prenatal diagnosis of cardiomyopathy, development and outcome
  - R. Axt-Fliedner (Germany)

- The outcome of antenatally diagnosed congenital heart disease: a six year series
  - D. Roberts (United Kingdom)

- Left isomerism in the fetus: is it always bad news? Frequency and outcome of cases with ‘normal hearts’
  - L. D’Emidio (United Kingdom)

- Current outcome of congenital heart disease diagnosed in utero
  - A. Perolo (Italy)

- Persistent left superior vena cava associated with Complex Congenital Heart Disease as a marker of bad outcome
  - M. Herrera (Colombia)

**OP07: First trimester ultrasound examination**

*PDC 2. Sala Verde*

**Chairs:** G. Monni (Italy); L. Pasquini (Italy)

- Aneuploidy screening on basis in the fetal ductus venosus blood flow at 11 to 14 weeks in a consecutive series of 1902 fetuses
  - C. Murta (Brazil)

- Yolk sac diameter and thickness until the 8th week of gestation as an indicator of aneuploidy
  - A. Corda (Italy)

- The role of selective rapid karyotype analysis in the prenatal diagnosis of fetal chromosome anomalies
  - J. Dickinson (Australia)

- Early and late chorionic villus sampling in Zagreb: experience with 9500 cases
  - P. Podobnik (Croatia)

- Chorionic villus vacu-sampling – an innovative method
  - P. Calda (Czech Republic)

- 3D ultrasound assessment of placenta volume in the first trimester in pregnancies from assisted reproduction technologies (ART)
  - S. Boito (Italy)

- Predictions of the median interval in days between first trimester ultrasound examination and delivery
  - L. Salomon (France)

- Evaluation of the number of umbilical cord vessels in the sonography of the 12–14 weeks
  - A. El Kateb (Egypt)

**OP21: Fetal anomaly scan**

*PDC 2.02*

**Chairs:** D. Arduini (Italy); C. Bilardo (Netherlands)

- Nasal bone measurement for prediction of Down syndrome
  - R. Has (Turkey)
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Fetal nasal bone length nomogram in Turkish population
I. Kalelioglu (Turkey) OP21.02

Fetal nasal bone evaluation in Down syndrome in the second trimester in Chinese population
H. Xie (China) OP21.03

Prognostic factors in fetal blood and on ultrasound examination in fetuses infected with CMV
G. Benioff (France) OP21.04

Pelvicalyceal dilatation in maternal kidneys during normal pregnancy – an uncommon finding?
S. The (Australia) OP21.05

Fetal renal pelvis volume assessed by three-dimensional ultrasonography and neonatal outcome. Initial experience
L. Duin (Netherlands) OP21.06

Persistent right umbilical vein: experience in a screening center
I. Tamari (Spain) OP21.07

Relationship between umbilical vein constriction, intra-abdominal dilatation and perinatal outcome
A. Schwarze (Norway) OP21.08

Abnormal umbilical venous drainage bypassing the fetal liver is associated with impaired fetal growth
N. Szunyogh (Norway) OP21.09

Three-dimensional sonographic fetal spleen volume measurement
T. Hata (Japan) OP21.10

Sonographic nomograms of the fetal calf between 15–42 weeks’ gestation: use of a combination of two and three dimensional sonography
R. Hershkovitz (Israel) OP21.11

Comparation of quantitative fluorescent PCR and cytogenetic analysis for common autosomal aneuploidies and gonosomal chromosomal disorders in 18.030 amniotic fluids of unselected fetuses
L. Mangiacavo (Italy) OP21.12

Fetal sex: determination in plasma of pregnant women
S. Illanes (Chile) OP21.13

‘An audit of amniocentesis – does the risk of T21 influence the decision to have the test?’
G. Tydeman (United Kingdom) OP21.14

A internet-based tool for quality assessment of fetal ultrasound examination
L. Salomon (France) OP21.15

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Chairs: H. Dietz (Australia); B. Tutschek (Germany)

Comparison of Bishop score and transvaginal ultrasound assessment of the cervix in prediction of labor induction
A. Jamal (Islamic Republic of Iran) OP22.01

The value of the ultrasonographic score in predicting successful induction of labor
J. Kang (Republic of Korea) OP22.02

Prediction of failed labor induction in multiparous women at term: role of previous obstetric history, digital examination, and sonographic measurement of cervical length
K. Park (Republic of Korea) OP22.03

Prediction of successful labor induction in twin gestation: body mass index, digital examination, and sonographic measurement of cervical length
D. Shin (Republic of Korea) OP22.04

Longitudinal transvaginal ultrasonography in predicting placental malposition at delivery
Y. Kanetaka (Japan) OP22.05

The effect of placental location and presence of nuchal cord on fetal heart rate pattern during labor
R. Levy (Israel) OP22.06

Estimated cord length by 3D Ultrasound (VOCAL) in term pregnancies
E. Assimakopoulos (Greece) OP22.07

Can fetal abdominal circumference measurement predict fetal macrosomia in intrapartum period?
A. Chittacharoen (Thailand) OP22.08

Excess of Caesarean sections because of ultrasound overestimation of foetal weight
M. Yamamoto (Chile) OP22.09

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T. Ghi (Italy) OP22.10

Ultrasound normal images of the abdomen early after caesarean section
J. Nizard (France) OP22.11

Utilization of ultrasound in prediction of complications in women with previous caesarean section
I. Kucerova (Czech Republic) OP22.12
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P26: Fetal abdomen

Prenatal diagnosis of a patent urachus cyst associated with umbilical cord pseudocyst using 3D, 4D ultrasound and fetal magnetic resonance imaging

F. Fuchs (France)

Incidence of gastrointestinal and wall abdominal defects in a prenatal diagnosis private unit

R. Cassis-Martinez (Ecuador)

Persistent fetal tachycardia and decelerations after abrupt stomach extrusion in gastrochisis

M. Yamamoto (Chile)

A case report of extra-intestinal peel with gastrochisis

V. Sachar (United States)

Prenatal diagnosis of fetus in fetu

J. Byrne (United States)

Fetal ovarian cysts volume: 3D VOCAL vs 3D multiplanar technique

G. Nazzaro (Italy)

Prenatal sonographic follow-up of the changes related to a fetal ovarian cyst torsion

M. Bastbug (Turkey)

Bilateral hemorrhagic fetal ovarian cyst: a case report

A. Carmignani (Italy)

Prenatal diagnosis and management of a complex ovarian cyst: case report

S. Marta (Portugal)

Sonographic antenatal diagnosis of gallbladder duplication

N. Mantas (Greece)

Reference values for Gama Glutamyl Transferase (GGT) in amniotic fluid between 16–22 weeks gestation. An addition in assessing non-visualization of fetal gallbladder?

D. Danon (Israel)

Prenatal sonographic features of chloride diarrhea

M. Cecchi (Italy)

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E. Viora (Italy)

3D multislice ultrasound in detection of fetal urinary tract abnormalities

Z. Jurisic (Serbia and Montenegro)

Congenital mesoblastic nephroma: imaging, surgical and genetic features with associated 2D and 3D imaging

D. Jackson (United States)

Reliability of three-dimensional ultrasound fetal urinary bladder volume measurement

F. Peixoto-Filho (Brazil)

Evaluation of the fetal urinary bladder and associated genitourinary anomalies

J. Cho (Republic of Korea)

Prenatal diagnosis of bladder exstrophy by 2D and 3D ultrasound

L. Valsecchi (Italy)

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J. Ochoa (Argentina)

Prenatal diagnosis of the anterior urethral duplication

J. Cho (Republic of Korea)

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M. Angiolucci (Italy)

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M. Slodki (Poland)

The termination of pregnancy under ultrasound control in cases of bilateral renal agenesis, multycystic dysplasia and infantile polycystic disease

L. Teregulova (Russian Federation)

Unusual ultrasonographic features of isolated vaginal atresia: case report

T. Premru-Sršen (Slovenia)

P27: Abnormalities of the placenta and umbilical cord

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D. Jackson (United States)

Uterine artery aneurysms in a pregnant woman affected by marfan syndrome: a case report

S. Rigano (Italy)

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S. Taher (United Kingdom)

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M. Liberati (Italy)

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S. Yousif (Ireland)

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T. Makukhina (Russian Federation)

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Mini-invasive imaging-guided treatment of ectopic pregnancy
M. Hoopmann (Germany)

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Value of fetal magnetic resonance imaging in fetuses diagnosed prenatally with CNS abnormalities in ultrasound
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Fetal MRI and 2D ultrasound imaging of unilateral choanal atresia in case of progressive unilateral ventriculomegaly, hypertelorism and nasal hypoplasia
J. Keunen (Canada)

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S. Gruessner (Germany)

Fetal body volume at MR imaging to quantify total fetal lung volume – normal ranges
M. Cannie (Belgium)

The usefulness of MRI in the diagnosis of fetal lung maturity
C. Sasakura (Japan)

MRI in prenatual diagnosis od fetal haemangiomia
A. Novakov Mikic (Serbia and Montenegro)

Prenatal diagnosis and management of giant fetal limb hemangiomia by 2- and 3-dimensional sonography, color Doppler ultrasound and magnetic resonance imaging
C. Regnard (Belgium)

Prenatal diagnosis of Velamentous cord insertion & Vasa Previa by MRI: a case report
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A rare case of placenta accreta, presenting in the first trimester, in an unusual way. Can MRI be helpful?
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D. Jackson (United States)

P31: First trimester screening for Down syndrome
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Diagnosis of trisomy 21 in a referral center – does first trimester screening improve the detection at an earlier gestational age?
D. Kamil (Germany)
Most Down's are presented among women aged 35 years or older
M. Ryynanen (Finland)

Nuchal translucency for aneuploidies: single center experience in Brazil
C. Murta (Brazil)

Incidence of Down syndrome in Slovenia in the last 15 years
N. Tui (Slovenia)

Pregnancy outcomes of fetuses with enlarged nuchal translucency
I. Haakova (Czech Republic)

Differents views to detect fetal nasal bones
J. Duyos (Spain)

Nasal Bone Assessment in the 1st trimester of pregnancy in a Greek population
I. Korkontzelos (Greece)

Absent nasal bone with normal nuchal translucency thickness at 11–14 weeks in trisomy 21
W. Sepulveda (Chile)

First-trimester screening for Down syndrome; the role of nasal bone assessment in the Korean population
M. Moon (Republic of Korea)

Nuchal translucency and ductus venosus Doppler for trisomy 21 screening: which one is the best?
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Frontomaxillary facial angle in child with trisomy 21 in Asia population
C. Hsiao (Taiwan)

First results of biochemical screening and combined ultrasound of fetal chromosomal disorders in the first trimester of pregnancy in Ecuador
H. Loza (Ecuador)

Performance of first trimester biochemistry in a non-standarized laboratory setting in Lebanon
R. Abu-Rustum (Lebanon)

First and/or second trimester screening for Down syndrome: a single-center experience
C. Celentano (Italy)

The sonographic assignment of fetal gender in early pregnancy
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Are there any changes in placental vascularity assessed by three dimensional power Doppler ultrasonography in fetal aneuploidies?
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The importance of the three vessels and trachea view in fetal heart screening: report of five cases of vascular rings diagnosed in fetal period
K. Tsujimura (Japan)

The contribution of 3D-reconstructions in pre and postnatal assessment of a double aortic arch
E. Quarello (France)

Prenatal diagnosis of right aortic arch
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Left ventricular aneurysm as an antenatal ultrasonographic marker of hypertrophic cardiomyopathy. A case report
R. Marquez (Chile)

Prenatal Echocardiography of Total Anomalous Pulmonary Venous Connection (TAPVC): isolated or accompanied by pulmonary venous stenosis
E. Choi (Republic of Korea)

Multiple cardiac rhabdomyomas
R. Radulescu-Botica (Romania)

Fetal cardiac rhabdomyoma diagnosed at twenty weeks of gestation: a case report
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Prenatal diagnosis and clinical course of restrictive foramen ovale in otherwise normal heart
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Fetal cor triatriatum dexter: two cases associated with nuchal edema in early second trimester
L. Skibsted (Denmark)

Giant right atrial aneurysm-prenatal diagnosis
S. Clur (Netherlands)
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Prenatal diagnosis and autopsy of a case with polysplenia syndrome
N. Salomon (Germany)

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N. Mantas (Greece)

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C. Martínez-Payo (Spain)

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J. Kim (Republic of Korea)

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D. Chung (Republic of Korea)

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Fetal Doppler parameters in pregnancies complicated with preterm premature rupture of membranes developing chorioamnionitis
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S. Kalla (United Kingdom)

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M. Mulic-Lutvica (Sweden)

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Y. Lee (Republic of Korea)

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M. Juan (Spain)

P49.14

Adverse neonatal outcome in severe compromised premature fetuses – the pivotal role of ductus venosus velocimetry
R. Moreira de Sa (Brazil)

P49.15

Torsion of the pregnant uterus in the second trimester
G. Acmaz (Turkey)

P50: First trimester screening for syndromes and malformations

P50.01

Five years experience in prenatal diagnosis in a tertiary care center in Saudi Arabia
A. Al-Kaff (Saudi Arabia)

P50.02

Ultrasound findings in early pregnancy loss with 45,X karyotype
M. Angiolucci (Italy)

P50.03

Abnormal NT as a sign of Noonan’s syndrome – a case report
E. Romaiko-Wolniewicz (Poland)

P50.04

Prenatal diagnosis of 22q11 tetrasomy by means of first trimester down’s screening
M. Boccolini (Italy)

P50.05

The role of fetal nuchal translucency (NT) in the detection of congenital heart defects
P. Sieroszewski (Poland)

P50.06

Congenital heart defects and other anomalies in fetuses with increased nuchal translucency and normal karyotype
O. Torok (Hungary)

P50.07

First trimester screening in the early diagnosis of congenital heart defects: a report of 2 cases in Lebanon
R. Abu-Rustum (Lebanon)
Posters – Monday 8 October 2007

Sonographic features of fetal neck cyst at 13 + 6 weeks of gestation
R. Tang (Hong Kong)  P50.08

Placenta increta in the first trimester: a case report
H. Wong (New Zealand)  P50.09

Fetal lip and palate cleft diagnosed at 13 weeks of gestation by 4D/3D ultrasound: a case report
A. Azaniac (Serbia and Montenegro)  P50.10

Prenatal diagnosis of Partial Trisomy 3q with Omphalocele in the first trimester of pregnancy
J. Park (Republic of Korea)  P50.11

Lethal multiple pterygium syndrome
I. Martins (Portugal)  P50.12

Cephalothoracopagus janiceps disymetricus with gastroschisis, a very rare form of conjoined twins: a case report
A. Tayyar (Turkey)  P50.13

Massive Omphalocele: Management and Outcome. A case report
L. Rosignoli (Italy)  P50.14

First trimester diagnosis of sirenomelia by real-time three-dimensional ultrasound: a case report
M. Basbug (Turkey)  P50.15

First trimester diagnosis of cerebral teratoma
S. Delahaye (France)  P50.16

First trimester diagnosis of Campomelic dysplasia.
V. Marsoosi (Islamic Republic of Iran)  P50.17

International Society of Ultrasound in Obstetrics and Gynecology

Invitation to attend ISUOG’s Annual General Meeting (AGM)

Tuesday 9 October 2007
15:30
Auditorium, Palazzo dei Congressi

Coffee will follow the AGM in the exhibition areas

All fully paid delegates at ISUOG’s 17th World Congress in Florence are automatically enrolled as members of ISUOG through to December 2008 and are encouraged to attend the AGM.
Program – Tuesday 9 October 2007

09:00–17:00 GE satellite education area\^  
PDC 2. Sala Verde
Detailed program page 70

09:00–17:00 Medison satellite education area\^  
PDA 4
Detailed program page 70

08:30–10:00 Fetal neurosonology I (*sponsored by Siemens)  
PDC Auditorium

Chairs: A. Toi (Canada); L. Guibaud (France)

08:30 Live scan demonstration  
I. Timor-Trisch (USA)

08:50 Overview  
G. Malinger (Israel)

09:05 Mild ventriculomegaly: should the cut-off be lowered to 9.5 mm?  
G. Oggè; P. Gaglioti; D. Danelon; M. Mensa; V. Crimininna; M. Oberto; M. Mombrò; T. Todros (Italy)

09:10 Isolated mild ventriculomegaly (10–12 mm): very long-term prognosis  
M. Signorelli; F. Teddei; L. Franceschetti; N. Pali; C. Groll (Italy)

09:15 Discussion

09:20 Prenatal diagnosis of cerebellar anomalies by dedicated neurosonography  
S. Halawag; I. Bar-Hava; D. Lev; H. Vinkler; T. Lerman-Sagie; G. Malinger (Palestinian Territory; Israel)

09:25 Periventricular Brain Cysts. Fetal Imaging and Postnatal/postmortem findings  
A. Lausman; J. Keuner; J. Kingdom; P. Shannon; E. Widjaja; G. Ryan; D. Chitayat; C. Raybaud; A. Toi; M. Rohrbach; B. Blaser (Canada)

09:30 Discussion

09:35 Prenatal ultrasound diagnosis of tethered cord in fetuses without open neural tube defects  
R. Sohaey; T. Tredennick; A. Kennedy; K. Oh; N. Selden (USA)

09:40 Thick corpus callosum. Prenatal diagnosis and clinical significance  
G. Malinger; R. Achiron; D. Kidron; L. Schreiber; L. Ben-Sira; D. Lev; T. Lerman-Sagie (Israel)

09:45 Prognostic value of fetal optic chiasm measurements in fetuses with septal agenesis  
J. Bault (France)

09:50 Discussion

08:30–10:00 Screening for aneuploidy at 11–14 weeks II  
PDA 2nd Floor

Chairs: F. Malone (Rep of Ireland); G. Monni (Italy)

08:30 Overview  
F. Malone (Rep of Ireland)

08:45 How accurate are NT measurements?  
J. Evans; A. Watson; K. Coulson; P. Chudleigh; R. Heslop; L. Heijne (UK)

08:50 The impact of tissue harmonic on the measurement of nuchal translucency thickness  
F. Tondi; L. Pasquini; V. Pontello; L. Giorgi; E. Paololetti; F. Branconi; M. Fontanarosa (Italy)

08:55 Quantitative quality assessment of nuchal translucency measurements at 11–14 weeks: a role for cumulative sum (CUSUM) charts and tests?  
L. Salomon; R. Porcher; J. Bernard; P. Rozenberg; Y. Ville (France)

09:00 Discussion

09:10 First trimester determination of fetal gender by ultrasound  
P. Podobnik; M. Podobnik; J. Zmijanac; B. Gebauer; S. Stasenko; I. Brlecic (Croatia)

09:15 Association between fetal gender and nuchal translucency thickness  
L. Rode; K. Weidemann; M. Christiansen; A. Tabor; K. Sundberg (Denmark)

09:20 Correlation between maternal hCG and PAPP-A levels and fetal genital tubercle appearance at 11–13+6 weeks  
A. Selbing (Sweden)

09:25 Discussion

09:35 Multimarker maternal serum screening for Down syndrome in gestational week 8–9  
M. Christiansen (Denmark)

09:40 Biochemical Normalisation of ADAM 12 – towards Serum-Only-Screening for Down syndrome in first trimester  
M. Christiansen; T. Sorensen; J. Laigaard; B. Norgaard-Pedersen (Denmark)

09:45 Increased nuchal translucency and the risk of aneuploidy women screened by the integrated test  
A. David; P. Jones; W. Huttly; R. Dave; C. Rodeck; P. Pandya (UK)

09:50 Discussion

\^Satellite education programs are brought to you by our sponsors. ISUOG is not responsible for the content of these sessions, but has approved the activities.

\*Live scan demonstration sessions are generously supported by our sponsoring partners. Sponsors provide systems and support for all technical services to bring live scan sessions to you. Scientific content is defined by ISUOG.
Program – Tuesday 9 October 2007

08:30–10:00  TVS in assisted reproduction – joint ESHRE session  

Chairs: T. D’Hooghe (Belgium); F. Ubaldi (Italy)

PDA Basement

08:30  Follicle maturation and quality assessment using ultrasound

P. Setti (Italy)

08:45  Measurement of uterine contractility in the non-pregnant uterus: methodology and clinical applications

C. Tomassetti (Belgium); T. D’Hooghe (Belgium)

09:00  Endometrial thickness and outcome after ART, what is clinically relevant?

F. Ubaldi (Italy)

09:15  Establishing the reliability and validity of a new technique that facilitates automated measurements of follicular diameter and volume

N. Raine-Fenning; K. Jayaprakasan; J. Clewes; I. Joergner; S. Dehghani Bonaki; S. Chamberlain; L. Devlin; H. Priddle; I. Johnson

1(UK); 2(Austria)

09:25  The intercycle variability of three-dimensional ultrasound determinants of ovarian reserve in an IVF population

K. Jayaprakasan; B.K. Campbell; J. Hopkisson; J. Clewes; I. Johnson; N.R. Raine-Fenning (UK)

09:30  Three-dimensional ultrasonography and power Doppler in assessment of poor ovarian response

Y. Vegas; I. Sudoma (Ukraine)

09:35  Multigate spectral Doppler analysis (MSDA) to study hemodynamic parameters during IVF treatment for egg donation cycles

G. Urban; M. Paidas; S. Ricci; P. Tortoli; F. Sanguineti; P. Patrizio

1(Italy); 2(USA)

09:40  Automated calculation of follicular volumes using 3D sonography in women undergoing assisted reproduction: a prospective evaluation of a novel software

T. Deutch; A. Abuhamad; D. Matson; L. Stadtmauer; S. Bocca; S. Oehninger (USA)

09:45  Three-dimensional ultrasound improves work flow and provides a more reliable assessment of the number of antral follicles in patients with subfertility

K. Jayaprakasan; B. Campbell; J. Hopkisson; J. Clewes; I. Johnson; N. Raine-Fenning (UK)

09:50  Discussion

10:00–10:45  Chaired oral poster discussions (#sponsored by Medison)

OP08: Fetal biometry

Chairs: S. Eik-Nes (Norway); T. Todros (Italy)

OP09: The second trimester malformation scan and anomalies of the face and abdomen

Chairs: A. Gagnon (Canada); A. Abuhamad (USA)

OP10: Twins I

Chairs: A. Baschat (USA); B. D’Addario (Italy)

OP11: Fertility, pelvic pain and endometriosis

Presentation: PDA Basement

Viewing: PDC 1.01

Chairs: N. Raine-Fenning (UK); F. Ubaldi (Italy)

OP12: Fetal heart and 4D

Chairs: J. Carvalho (UK); B. Tutschek (Germany)

OP13: Fetal neurosonography

Chairs: D. Nyberg (USA); P. Volpe (Italy)

Poster viewing is available all day for OP sessions as listed above and:

P33: Fetal skeleton

P34: Biometry, umbilical cord and placenta

P35: Fertility, pelvic pain and endometriosis

P36: Twins

P37: Fetal neurosonography I

P38: Fetal neurosonography II

P39: Fetal echocardiography and CHD

10:30–11:15  Coffee and poster viewing

11:15–12:30  Early fetal echocardiography (*sponsored by Aloka)

Chairs: F. Taddei (Italy); R. Chaoui (Germany)

PDC Auditorium

11:15  Live scan demonstration

J. Carvalho (UK)

11:35  Overview

B. Tutschek (Germany)

11:50  Structural heart defects associated with an increased nuchal translucency: 9 years experience in a referral centre

S. Clur; A. Cook; R. Laurini; J. Ottenkamp; C. Bilardo

1(Netherlands); 2(UK); 3(France)

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A pioneer of 3D Ultrasound Technology, MEDISON’s three dots imply Progress, Reliability, and Trustworthy. On these principles, we have been leading innovative ultrasound technology around the world for more than 20 years. On top of improving our technology continuously, we make human life our first priority. Our dedication and commitment towards more valuable human life through technology have been inspired by everyone and seen everywhere in the world.

**MEDISON program highlights at ISUOG 2007**

**ISUOG live scan demonstration sessions (Oct 8 & Oct 10)**

- Oct 8 16:00-17:30 Diagnosis of fetal abnormalities at 11-14 weeks
- Oct 10 14:00-15:30 The fetal face and 3D/4D ultrasound

**Satellite Education Areas (Oct 8-9) & Hospitality Suite 2 (Oct 10)**

Visit MEDISON on the 3rd and 4th floors, Palazzo degli Affari to experience new technology and the latest products of MEDISON. Visit us at MEDISON Booth #36 to get detailed information on each session.

**MEDISON Satellite Symposia**

- Oct 10 12:45-13:45

www.medison.com | marketing@medison.com
Program – Tuesday 9 October 2007

11:55  Discussion
11:58  Feasibility of the 1st level transabdominal screening for cardiac defects at the time of NT measurements using a new high-definition blood flow imaging mode
M. Bellotti; V. Raspaolo; F. Pelle; V. Mariotti; M. Ierardi; C. De Gasperi; G. Rognoni (Italy)

12:03  Estimation of the myocardial performance index in fetuses at 11.0 to 13.6 week’s gestation
A. Hamela-Olkowska; P. Wlasienko; K. Jalinik; J. Dangel (Poland)

12:08  Influence of maternal ingestion of green tea and other common polyphenol-rich beverages on fetal ductus arteriosus dynamics
P. Zielinski; M. Manica; A. Piccoli Jr; L. Nicoloso; R. Frajndlich; H. Menezes; A. Busato; L. Hagemann; M. Moraes; J. Silva; T. Behrens; J. Huber; M. Brandão-da-Silva; R. Petracco (Brazil)

11:15–12:30 Dealing with borderline findings  
PDA 2nd Floor
Chairs: G. Pilu (Italy); P. Calda (Czech Republic)

11:15 Mild ventriculomegaly role play
The sonologist: I. Timor-Tritsch (USA)
The parents: D. Levine (USA); P. Jeanty (USA)

11:45 Should we recommend Invasive Study in Fetus with Isolated Borderline Ventriculomegaly?
J. Chung; M. Kim; H. Ryu; J. Han; J. Yang (Republic of Korea)

11:50 Fetuses with Down syndrome have an enlarged anterior fontanel in the 2nd trimester of pregnancy
D. Paladini; G. Sglavo; I. Penner; G. Pastore; C. Nappi (Italy)

11:55 Fetal aberrant right subclavian artery in normal fetuses and in Down Syndrome
Y. Zalel; R. Achiron; S. Yagel; Z. Kivilevitch (Israel)

12:00 Discussion

12:10 Aetiology of hyperechogenic bowel within a tertiary fetal medicine unit
S. Whitten; S. Clayton; G. Norbury; L. Chitty (UK)

12:15 Outcome of antenatally diagnosed short femur
N. Fratelli; K. Leslie; A. Bhide; B. Thilaganathan; A. Papageorghiou (UK)

12:20 Isolated gall bladder abnormality in utero: clinical significance as a screen for fetal anomaly
M. Moon; J. Cho; Y. Lee; M. Song; M. Lee; H. Cho (Republic of Korea)

12:25 Discussion

11:15–12:30 Interactive session: practical aspects of ultrasound in gynecology, video and case examples  
PDA Basement
Chairs: T. Bourne (UK); L. Savelli (Italy)

11:15 Assessing the endometrium
S. Goldstein (USA); E. Ferrazzi (Italy)

11:30 The abnormal ovary
D. Timmerman (Belgium); A. Testa (Italy)

11:45 Early pregnancy
D. Jurkovic (UK); G. Condous (Australia)

12:00 Fibroids, adenomyosis and adhesions
L. Savelli (Italy); F. Leone (Italy)

12:15 Discussion

12:45–13:45 **Siemens satellite symposium  
PDC Auditorium
Fetal posterior fossa anomalies. From routine ultrasound to diagnostic imaging
Chair: G. Pilu (Italy)
Speaker: L. Guibaud (France)

12:30–14:00 Lunch and poster viewing

14:00–15:30 Fetal echocardiography: CHD and extra cardiac anomalies  
(*sponsored by Philips)  
PDC Auditorium
Chairs: J. Carvalho (UK); J. Copel (USA)

14:00 Live scan demonstration
D. Paladini (Italy)

14:20 Overview
J. Copel (USA)

14:35 Congenital heart defects and associated extracardiac anomalies in a non-selected population of 42,381 fetuses
E. Tegnander; S. Eik-Nes (Norway)

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Program – Tuesday 9 October 2007

14:40 Discussion
14:45 The clinical significance of isolated muscular ventricular septal defect (VSD) OC106
M. Bahtiyar; B. Stevens; B. Weeks; A. Friedman; J. Copel (USA)
14:50 Coexistence of extra-cardiac malformations and abnormal karyotype among fetuses with prenatally diagnosed isolated ventricular septal defect (VSD) OC107
P. Wlasienko; A. Kaplanska; J. Kuran; E. Sliwka; J. Papierz; A. Kraska; J. Dangel (Poland)
14:55 Discussion
15:05 Ventricular performance in the fetus with hypoplastic left heart syndrome OC108
A. Szwast; Z. Tian; M. McCann; D. Donaghue; J. Rychik (USA)
15:10 Prominence of the coronary circulation in the fetus: a prognostic indicator of poor outcome? OC109
J. Rychik; M. Bebbington; M. McCann; A. Szwast; Z. Tian (USA)
15:15 Prenatal diagnosis of cardiac rhabdomyomas: incidence of associated Tuberous Sclerosis Complex and cerebral lesions OC110
J. Saada; S. Hadji-Rabia; I. Fermenot; J. Lebidois; J. Martinovic; P. Sonigo; D. Bonnet; Y. Dumez; A. Benachi (France)
15:20 Discussion
15:30–16:00 ISUOG Annual General Meeting
PDC Auditorium

14:00–15:30 Twins
PDA 2nd Floor

14:00 Update on monochorionic twins (overview) K. Hecher (Germany)
14:15 Placental sharing, birthweight discordance and vascular anastomoses in monochorionic diamniotic twin placenta OC111
J. Deprest; M. Cannie; I. Blickstein; J. Jani; A. Huber; K. Hecher; S. Dymarkowski; E. Gratacós; P. Lewi; L. Lewi
(Belgium); (Israel); (UK); (Germany); (Spain)
14:20 The natural history of monochorionic twins and the role of prenatal ultrasound scan OC112
L. Lewi; J. Jani; A. Boes; E. Donne; T. Van Migghem; L. Gucciardo; A. Diemert; K. Hecher; P. Lewi;
J. Deprest
(Belgium); (UK); (Germany)
14:25 Amniotic fluid discordance in monochorionic twin pregnancies: how harmful is it? OC113
E. Carreras; L. Perdomo; T. Higueras; B. Muñoz; M. Sanchez; G. Villagomez; L. Cabero (Spain)
14:30 Discussion
14:40 Staging by cardiac function in twin-to-twin transfusion syndrome: a descriptive study OC114
J. Stirnemann; F. Proux; J.C. Fouron; Y. Ville
14:45 Validation of the Quintero’s stage 3 sub-classification for Twin-Twin Transfusion Syndrome with or without visible donor bladder OC115
T. Murakoshi; K. Ishii; M. Nakata; H. Sago; S. Hayashi; Y. Takahashi; M. Matsushita; T. Shinno; H. Naruse;
Y. Tori (Japan)
14:50 Discussion
14:55 Trocar-assisted selective laser photocoagulation of communicating vessels OC116
R. Quintero; E. Kontopoulos; R. Chmait; P. Bornick; M. Allen (USA)
15:00 Laser coagulation of placental anastomoses in severe mid-trimester twin-twin transfusion syndrome and anterior placenta with a 30° fetoscope OC117
A. Huber; A. Baschat; T. Bregenzer; A. Diemert; M. Tchirikov; K. Hecher
(Germany); (USA)
15:05 Discussion
15:10 Sequential laser coagulation of placental communicating vessels for twin-to-twin transfusion syndrome: a new approach to prevent fetal demise of a donor OC118
M. Nakata; T. Murakoshi; H. Sago; K. Ishii; S. Hayashi; S. Murata; I. Miwa; M. Sumie; N. Sugino (Japan)
15:15 Peri-operative prognostic factors in twin-to-twin transfusion syndrome treated by selective fetoscopic laser occlusion of chorionic plate anastomoses OC119
J. Stirnemann; S. Chevret; L. Bussières; Y. Ville (France)
15:20 Vascular limb occlusion in severe twin-twin transfusion syndrome (TTTS) OC120
G. Ryan; K. Hecher; R. Quintero; K. Moise; C. Schneider; A. Huber; J. Allbert; I. Suchet; P.G. Seaward;
R. Windrim; F. Alkaaladi
(Canada); (Germany); (USA); (Jordan)
15:25 Discussion

14:00–15:30 Scanning asymptomatic women
PDA Basement

14:00 The role of ultrasound as a primary and secondary test in ovarian cancer screening for asymptomatic postmenopausal women I. Jacobs (UK)
## Program – Tuesday 9 October 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>14:20</td>
<td>The relevance of loculated fluid and para-ovarian lesions</td>
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<td>L. Savelli (Italy)</td>
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<td>14:35</td>
<td>Unilocular simple cysts – can we achieve a consensus on how to manage them?</td>
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<td>L. Valentin (Sweden)</td>
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<td>14:50</td>
<td>Endometrial polyps: a frequent diagnosis at sonohysterography – do they cause abnormal uterine bleeding?</td>
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<td>E. Dreisler; S. Stampe Sorensen (Denmark)</td>
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<tr>
<td>15:00</td>
<td>Clinical relevance of asymptomatic polyps in post menopausal women</td>
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<td>F. Leone (Italy)</td>
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<td>15:15</td>
<td>Congenital uterine abnormalities</td>
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<td>D. Jurkovic (UK)</td>
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<td>16:00–16:30</td>
<td>Coffee and poster viewing</td>
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<tr>
<td>16:30–17:30</td>
<td>The 16 weeks’ scan (*sponsored by Toshiba)</td>
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<td>PDC Auditorium</td>
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<td>Chairs: C. Bilardo (Netherlands); A. Ngu (Australia)</td>
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<td>16:30</td>
<td>Live scan demonstration</td>
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<td>D. Nyberg (USA)</td>
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<td>16:50</td>
<td>Debate</td>
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<td>In favour and against the 16 weeks’ scan</td>
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<td>In favour: B. Benacerraf (USA)</td>
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<td>Against: L. Timor-Trisch (USA)</td>
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<td>17:20</td>
<td>Discussion</td>
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<td>16:30–17:15</td>
<td>Diagnostic invasive procedures</td>
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<td>PDA 2nd Floor</td>
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<td></td>
<td>Chairs: Z. Alfirevic (UK); G. DeVore (USA)</td>
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<tr>
<td>16:30</td>
<td>Techniques for choriocarcinoid villous sampling and amniocentesis: a survey of practice from specialist centres within the UK</td>
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<td>A. Carlin (UK); Z. Alfirevic (UK)</td>
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<td>16:35</td>
<td>Another look at fetal loss rate (FLR) following second trimester genetic amniocentesis (AMNIO): a single centers' 16 year-experience</td>
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<td>A. Odibo; D. Gray; J. Dicke; K. Martin; D. Stamilo; G. Macones (USA)</td>
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<tr>
<td>16:40</td>
<td>What are the true added risks of amniocentesis and choriocarcinoid villous sampling?</td>
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<td>F. Mueggenburg1; Z. Alfirevic2 (Slovenia); Z. Alfirevic2 (UK)</td>
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<tr>
<td>16:45</td>
<td>Discussion</td>
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<td>16:55</td>
<td>Genetic Ultrasound: 99% detection rate for trisomies 13, 18 and 21</td>
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<td>G. DeVore (USA)</td>
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<td>17:00</td>
<td>Effectiveness of the integrated test in Down syndrome screening</td>
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<td>P. Pandya; W. Hutty; P. Jones; N. Wald; C. Rodeck (UK)</td>
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<td>17:05</td>
<td>Discussion</td>
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<td>16:30–18:00</td>
<td>The menopausal endometrium</td>
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<td>PDA Basement</td>
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<td>Chairs: E. Ferrazzi (Italy); M. Coccia (Italy)</td>
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<tr>
<td>16:30</td>
<td>Endometrial thickness and morphology in screening for endometrial cancer: data from 38,000 postmenopausal women in UKCTOCS</td>
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<td>I. Jacobs (UK)</td>
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<tr>
<td>16:50</td>
<td>Assessing women with post menopausal bleeding</td>
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<td>G. Scaroelli (Italy)</td>
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<td>17:10</td>
<td>Tamoxifen, SERMS and using ultrasound to tailor hormone therapy</td>
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<td>S. Goldstein (USA)</td>
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<tr>
<td>17:20</td>
<td>Comparison of two-dimensional and three-dimensional hydrosonography in women with postmenopausal bleeding</td>
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<td>G. Opolski; P. Sladkevicius; L. Valentin (Sweden)</td>
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<tr>
<td>17:25</td>
<td>Three-dimensional power Doppler angiography (3D-PDA) in women with postmenopausal bleeding and thickened endometrium</td>
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<td>R. Galván; C. Laparte; M. Garcia-Manero; J. Mazaira; J. Alcazar (Spain)</td>
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<td>17:30</td>
<td>What is the recurrence rate of postmenopausal bleeding in women who have a thin endometrium during a first episode of postmenopausal bleeding?</td>
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<td>A. Timmermans; H. Van Doorn; B. Opmeer; B. Mol (Netherlands)</td>
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<tr>
<td>17:35</td>
<td>Pre-operative local-regional staging of endometrial cancer: transvaginal sonography vs. Magnetic Resonance Imaging</td>
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<td>L. Savelli; M. Ceccarini; M. Ludovisi; E. Fruscella; P. De Iaco; E. Salizzoni; M. Mabrouk; M. Manfredi; A. Testa; G. Ferrandina (Italy)</td>
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17:40 Correlation of sonographic characteristics and pathomorphological findings in cases of early-stage Cervical Cancer: OC132 preliminary results
A. Gaurilcikas; D. Vaitkiene; A.C. Testa; R. Maciuleviciene; S. Kajenas; A. Cizauskas; D. Simanaviciute; E. Svedas; R. Nadisauksiene; A. Inciura; K. Levisauskas
(Lithuania); (Italy)
17:50 Discussion

19:30 Congress Party – sponsored by Palazzo Borghese

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Oral poster presentations – sponsored by MEDISON

Discussion groups for oral posters: 10:00–10:45
Viewing available all day

**OP08: Fetal biometry**

Chairs: S. Eik-Nes (Norway); T. Todros (Italy)

Predicting remaining time of pregnancy – a new population-based approach for the prediction of day of delivery based on Femur length
S. Eik-Nes (Norway)  OP08.01

A new population based term prediction method – evaluation of the BPD-based predictions
L. Ókland (Norway)  OP08.02

Accuracy of first trimester fetal biometry to predict gestational age and due date
L. Salomon (France)  OP08.03

Fetal age assessment based on ultrasound in the second trimester and the effect of ethnic morphometric differences in Cameroon
S. Johnsen (Norway)  OP08.04

Prospective validation of fractional arm volume for fetal weight estimation
W. Lee (United States)  OP08.05

Do soft tissue parameters improve weight estimation for fetal macrosomia?
W. Lee (United States)  OP08.06

New specific ultrasound-based weight formula for fetuses with abdominal wall defects
I. Økland (Norway)  OP08.07

Cumulative sum (CUSUM) charts and tests: a simple method to assess the quality of fetal biometry
L. Salomon (France)  OP08.08

Z-scores distribution: a useful tool to compare biometry between operators in a routine ultrasound population
F. Fuchs (France)  OP08.09

Use of prenatal growth velocity charts to detect small for gestational age fetuses
V. Ciriminna (Italy)  OP08.10

Placental volume measurement by 3D-ultrasound in the first trimester and prediction of fetal growth restriction
B. Meurer (Germany)  OP08.11

Three-dimensional ultrasound measurement of the placental volume in early pregnancy: preliminary results
P. Nowak (Brazil)  OP08.12

Is velamentous insertion of the umbilical cord in singleton pregnancies associated with low birth weight and intrauterine growth restriction?
M. Kfir (United States)  OP08.13

Fetal sonographic renal angiography: variations of the origin of renal arteries
S. Degani (Israel)  OP08.14

**OP09: The second trimester malformation scan and anomalies of the face and abdomen**

Chairs: A. Gagnon (Canada); A. Abuhamad (USA)

Do those with high BMI require more scans to complete anatomy evaluation?
P. Glanc (Canada)  OP09.01

Basic training in obstetric ultrasound – requirements, access and the trainees’ experience
S. Whitten (United Kingdom)  OP09.02

A comparison of 2D and 3D-multiplanar ultrasound in the evaluation of the fetal profile
E. de Jong-Pleij (Netherlands)  OP09.03

Lip and cleft palate: a comparison between ultrasonographic three dimensional multiplanar technique and multislice technique
G. Nazzaro (Italy)  OP09.04

The fetal soft palate: not a nowhere land on 3D ultrasound
H. Wong (New Zealand)  OP09.05

Ultrasonographic evaluation of prenatal fetal facial anatomy: prenatal ultrasonographic evaluation of fetal facial anatomy and fetal facial malformations
S. Li (China)  OP09.06

Ultrasonographic features of various fetal facial malformations in vitro study
S. Li (China)  OP09.07

Fetal oesophagus: could the space between trachea and aorta be used in routine?
J. Develay-Morice (France)  OP09.08

Contribution of Doppler ultrasound to the study of fetal tracheal fluid flow
G. Grange (France)  OP09.09

Antenatal ultrasound predictors of outcomes for gastroschisis
K. Pfleghaar (United States)  OP09.10

Intra-abdominal bowel dilatation in fetuses with gastroschisis is associated with bowel atresia or intestinal complications
R. Axt-Fliedner (Germany)  OP09.11

Incidence and types of fetal congenital malformations in women with type1 and type 2 diabetes in pregnancy in a large multi-ethnic UK region
N. Shah (United Kingdom)  OP09.12
Posters – Tuesday 9 October 2007

OP10 – Twins I

Chairs: A. Baschat (USA); B. D’Addario (Italy)

Abstract no. PDA 2.B

OP10.01

Umbilical vein volume flow imbalance between twins in TTTS is not seen in normal monochorionic pregnancies
M. Yamamoto (Chile)

OP10.02

The CHOP Cardiovascular Score: a method for quantification of cardiovascular abnormality in the Twin-Twin Transfusion Syndrome
J. Rychik (United States)

OP10.03

Fetal cardiac function at different stages of severity in twin to twin transfusion syndrome
E. Antillon (Spain)

OP10.04

Outcomes in a cohort of patients with stage 1 twin-to-twin transfusion syndrome
M. Bebbington (United States)

OP10.05

Ultrasonographic evidence of brain lesion in surviving monochorionic twin after in utero death of co-twin
M. Lanna (Italy)

OP10.06

Prenatal imaging and neurological follow up in the survivors of monochorionic twin pregnancies with a single intrauterine death
A. Fichera (Italy)

OP10.07

Longer term neurodevelopmental outcome in preterm growth restricted twins with and without absent or reversal of end diastolic flow (AREDV) in the umbilical artery
E. Gaziano (United States)

OP10.08

Association of chorionicity and pregnancy-associated plasma protein A with neonatal outcome in twin pregnancies
M. Piccoli (Italy)

OP10.09

Management and outcome of monochorionic twin pregnancies in a unit offering amnioreduction
J. Connor (United Kingdom)

OP10.10

The CHOP cardiovascular score for twin-to-twin transfusion: the effect of treatment with selective laser ablation
M. Bebbington (United States)

OP10.11

Polish experience with fetoscopic laser surgery for TTTS
D. Borowski (Poland)

OP10.12

Fetoscopic laser surgery: Istanbul experience
R. Has (Turkey)

OP10.13

Placental discordance before selective laser ablation as a predictor of perinatal outcome and birth weight discordance in twin-twin transfusion syndrome (TTTS)
J. Keunen (Canada)

OP10.14

Laser therapy of twin-to-twin-transfusion syndrom in triplet pregnancies
A. Dimert (Germany)

OP11 – Fertility, pelvic pain and endometriosis

Chairs: N. Raine-Fenning (UK); F. Ubaldi (Italy)

Presentation: PDA Basement

Viewing: PDC 1.01

OP11.01

Diagnosis of uterine congenital anomalies: 3D transvaginal sonography versus 2D-3D saline infusion sonohysterography
M. Ceccarini (Italy)

OP11.02

The sonographic evaluation of subendometrial wave-like activity in patients with endometritis
V. Pinto (Italy)

OP11.03

The prevalence of ultrasonic polycystic ovarian morphology in women with endocrinopathies presented with hyperandrogenism and anovulation
R. Amster (Israel)

OP11.04

Quantification of the effect of pituitary desensitization on 3D ultrasound predictors of ovarian response and treatment outcome in patients undergoing IVF
K. Jayaprakasan (United Kingdom)

OP11.05

Three dimensional sonographic evaluation of septate uterus after hysteroscopic metroplasty: correlation with pregnancy outcome
N. Lazzarin (Italy)

OP11.06

The role of Contrast-HyCoSy for tubal patency in an infertility program
C. Lanzani (Italy)

OP11.07

Transvaginal sonographic mapping of pelvic adhesions in women with chronic pelvic pain
M. Romaini (Italy)

OP11.08

Transvaginal Ultrasound versus Magnetic Resonance in the study of under-diagnosed endometriosis: adenomyosis and deep endometriosis
F. Rizzello (Italy)

OP11.09

New ultrasound markers for the diagnosis of adenomyosis in infertile population
L. Aboujoude (Lebanon)

OP11.10

Laparoscopy in women with previous abdominal open surgery. Safety of the ultrasound preoperative evauation of the subumbilical field
M. Romaini (Italy)

OP12: Fetal heart and 4D

Chairs: J. Carvalho (UK); B. Tutschek (Germany)

Presentation: PDA Basement

Viewing: PDC 1.01

OP12.01

Examination of the fetal heart by four dimensional ultrasound with spatio-temporal image correlation: potential for second trimester screening of congenital heart disease
G. Rizzo (Italy)
Three and four dimensional ultrasound – a novel method for evaluating fetal cardiac anomalies
L. Gindes (Israel)

The use of 3D ultrasound oblique technique in the detection of fetal heart long axis views
G. Nazzaro (Italy)

A new algorithm for fetal cardiac scanning using volume reslicing modality (3D extended imaging) and spatio-temporal image correlation (STIC)
R. Bataeva (Russian Federation)

Automated software for the retrieval of diagnostic fetal cardiac ultrasound planes in the second trimester of pregnancy: standardization in 1 versus 3 planes
A. Abuhamad (United States)

Fetal transposition of the great arteries assessed by STIC in combination with Tomographic Ultrasound Imaging (TUI)
R. Chaoui (Germany)

Added value of 3D/4D modalities in the diagnosis and evaluation of fetal umbilical vein anomalies
S. Yagel (Israel)

Cardiac examination with STIC (4 D Spatio-Temporal Image Correlation)
B. Puerto (Spain)

The value of the sagittal view of the “Ductal Arch Plane” in the prenatal diagnosis and counseling of Conotruncal Anomalies using 4D ultrasonography
J. Espinoza (United States)

Stenting of the atrial septum in fetal lambs
E. Jaeggi (Canada)

Imaging of the fetal heart in thoracopagus twins
Z. Tian (United States)

Accuracy of transabdominal fetal echocardiography prior to 16 weeks in fetuses at risk for congenital heart defects
T. Gh (Italy)

Diagnosis of congenital heart disease at 11–14 weeks in fetuses with normal karyotype
J. Martinez (Spain)

Screening for congenital heart disease (CHD) at 20–24 weeks: a five year experience
M. Piccoli (Italy)

OP13: Fetal Neurosonography

3DUS of the fetal vermis at 19 to 30 weeks of gestation – normal length and time of appearance of the primary fissure
L. Gindes (Israel)

The normal development of the anterior fontanel in the fetus. A prospective cross-sectional three-dimensional study
D. Paladini (Italy)

Prenatal findings and outcome of open and closed spina bifida (SB): analysis of 164 cases
L. Masini (Italy)

Accuracy of six sonographic signs in the prenatal diagnosis of spina bifida
V. D’Addario (Italy)

Interactive Image Segmentation and semi automated template-based system for volume calculation on fetal cerebral structures based on 3D Ultrasound
J. Bello-Munoz (Spain)

Fetal borderline cerebral lateral ventriculomegaly: a retrospective analysis of 74 cases
S. Boito (Italy)

How does MR add to the diagnostic capability of sonography in the evaluation of fetuses with ventriculomegaly
B. Benacerraf (United States)

Corpus callosum abnormalities: 2D, 3D ultrasound and MRI
M. Signorelli (Italy)

Pulsed wave doppler of the middle cerebral artery in fetal brain abnormalities
L. Pistorius (Netherlands)

Onset of Fetal Akinesia Deformation Sequence (FADS) in women with recurrent FADS
J. de Vries (Netherlands)

The ultrasonographic screening of CNS defects of the fetus of 11–14 weeks of pregnancy in an unselected population in the Republic of Dagestan
M. Esatov (Russian Federation)

Fetal behavior assessed during second half of normal pregnancy by four-dimensional ultrasonography in Korea
Y. Jo (Republic of Korea)

Ultrasonography and MRI for the evaluation of pre and postnatal CNS pathology: our casistic
F. Taddei (Italy)
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Posters (view only)
Posters are available for viewing all day

**P33: Fetal skeleton**

Fetal thoracic skeleton: evaluation by 3D ultrasound  
*E. Viora (Italy)*  
P33.01

Fetal clavicle length: an Asian nomogram  
*A. Kuah (Singapore)*  
P33.02

Prenatal diagnosis of clubfoot. Associated anomalies and long-term outcome  
*M. Canto (Spain)*  
P33.03

Prenatal diagnosis of mirror-polydactyly of the feet  
*E. Paikert (Netherlands)*  
P33.04

Study of the fetal bony pelvis by computed tomography in bladder exstrophy: about one case  
*G. Chambo (France)*  
P33.05

In utero spontaneous resolution of a marked femur angulation  
*A. Viegas (Spain)*  
P33.06

Congenital Genu Recurvatum with dislocation of the knees: a case report  
*L. Mandia (Italy)*  
P33.07

Crossed polydactyly prenatally diagnosed by 2- and 3-dimensional sonography  
*H. Choi (Republic of Korea)*  
P33.08

3D ultrasound, MRI and molecular diagnosis of Thanatoporic Dysplasia type I  
*K. Kim Sa Jin (Republic of Korea)*  
P33.09

Thanatoporic dysplasia type 2 with encephalocele during the second trimester – correlation with autopsy  
*G. Chambo (France)*  
P33.10

Prenatal diagnosis of a rare skeletal dysplasia by ultrasound and scan tomography: atelosteogenesis III (AO III). Correlation with autopsy  
*G. Chambo (France)*  
P33.11

Prenatal sonographic diagnosis of Atelosteogenesis type 1  
*M. Basbug (Turkey)*  
P33.12

Prenatal diagnosis of VACTERL Syndrome by 3D/4D maximum render mode in second trimester ultrasound screening  
*L. Di Luzio (Italy)*  
P33.13

Prenatal sonographic diagnosis of fetal scoliosis. Case report  
*G. Nazzaro (Italy)*  
P33.14

Prenatal diagnosis of Larsen Syndrome by 2D- and 3D/4D-ultrasound  
*M. Brauer (Germany)*  
P33.15

**P34: Biometry, umbilical cord and placenta**

Sonographic estimation of fetal weight using thoracic circumference (TC) in cases of fetal abdominal wall defect or fetal ascites  
*H. Lee (Republic of Korea)*  
P34.01

Macrosomia: a new formula for optimized fetal weight estimation  
*N. Hart (Germany)*  
P34.02

New formulae for estimating fetal weight for specific birth weight groups  
*J. Siemer (Germany)*  
P34.03

Second trimester prediction of birth weight using individualized growth assessment  
*W. Lee (United States)*  
P34.04

Customized standards of estimated fetal weight as predictor of adverse perinatal outcome  
*A. Iraola (Spain)*  
P34.05

Predicting adverse neonatal outcome in severe fetal compromise: a pivotal role for estimated fetal weight Z score  
*R. Moreira de Sa (Brazil)*  
P34.06

Ultrasound parameters of umbilical cord - reference values for normal pregnancy  
*M. Pietryga (Poland)*  
P34.07

Three-dimensional power Doppler evaluation of multiple nuchal cord loops causing severe intrauterine growth restriction  
*D. Valsky (Israel)*  
P34.08

Prenatal diagnosis and management of vasa previa; a 5 year review  
*E. Kanda (Japan)*  
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Umbilical artery thrombosis leading to fetal growth restriction  
*P. Klaritsch (Austria)*  
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Multiple placental infarcts: correlation between prenatal ultrasound images and pathologic examination  
*A. Tenore (Italy)*  
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Persistent placental maternal blood flow visualized with LevoisitTM in a case of dead fetus syndrome  
*D. Tschibana (Japan)*  
P34.12

Chorioangioma of the placenta-two cases report  
*A. Simionescu (Romania)*  
P34.13
**P35: Fertility, pelvic pain and endometriosis**

Mesotheial cystic inclusion in Mullerian septum of the uterus: aetipathogenesis and evolution in pregnancy  
L. Montanari (Italy)  
Arteriovenous malformation of the uterus: successful pregnancy after medical treatment  
L. Montanari (Italy)  
Hydrocolorsonography in the diagnosis of a transverse vaginal septum in a 37 weeks pregnant woman  
M. Yamamoto (Chile)  
Polyeystic ovary diagnosis with vocal™ and inverted mode 3D ultrasonography  
L. Hereter (Spain)

**P36: Twins**

Assessment of blood flow and the prediction of recipient death in TTTS  
M. Ropacka (Poland)  
Transient changes in middle cerebral artery peak systolic velocity of the recipient twins after fetoscopic laser photocoagulation for twin-twin transfusion syndrome  
K. Itoh (Japan)  
Successful treatment for reversal of twin-twin transfusion syndrome by fetoscopic laser photocoagulation of placental communicating vessels  
M. Sumie (Japan)  
Monozygotic twins discordant for cystic hygroma and karyotype: a case report  
M. Lee (Republic of Korea)  
Twin-to-twin transfusion syndrome: a case of hydrops of the recipient after massive amnioreduction in the third trimester  
L. Pasquini (Italy)  
The implication of bilateral hyperechogenic enlargement of kidney for surviving twin after intrauterine death of one monochorionic twin: a case report  
S. Kim (Republic of Korea)  
Thoraco-omphalopagous conjoined twins: a case report using three-dimension sonoangiography to assist the diagnosis and determine the possibilities of successful postnatal separation  
T. Wataganara (Thailand)  
Acephalus acardiac fetus presenting at the third trimester scan as a small complex cystic mass  
L. Di Luzio (Italy)  
A rare case of late second trimester presentation of bilateral ovarian abscess causing ileus in twin pregnancy after oocyte retrieval for IVF  
M. Veneziano (Italy)

**P37: Fetal neurosonography I**

Cerebellum volume measurements: VOCAL or multiplane?  
L. Pistorius (Netherlands)  
The validity of 3D, 4D ultrasound technique for evaluation of enlarged cистerna magna compared fetal magnetic resonance imaging and 2D ultrasonography  
Y. Kim (Republic of Korea)  
Fetal cerebellar volume measurement using conventional multiplanar 3D and VOCAL rotationaional technique  
G. Nazzaro (Italy)  
Prenatal sonographic findings in rhombencephalosynapsis before 24 weeks’ gestation  
D. Pugash (Canada)  
Prenatally diagnosed posterior fossa abnormalities: a fifteen year review  
E. Peregrine (United Kingdom)  
Subdural space in fetal period – normal variation?  
R. Pooh (Japan)  
Comparison between trans-abdominal multiplanar V-Mode vs. B-Mode in mid- sagittal scanning of the abnormal fetal brain  
E. Varvarigos (Italy)  
Case report: prenatal diagnosis and postnatal course of a fetus with choroid plexus papilloma  
R. Axt-Fliedner (Germany)  
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K. Fong (Canada)  
Imaging the fetal septum pellucidum and fornix at 16 to 37 weeks of gestation  
D. Jackson (United States)  
Ultrasound fetal motor activity in CNS malformation: a reappraisal  
A. D’Elia (Italy)  
The clinical significance of prenatally diagnosed brain cysts  
E. Peregrine (United Kingdom)  
Isolated unilateral cerebellar hypoplasia – a case report  
C. McKenna (United Kingdom)
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<td>Prenatal diagnosis of benign familial fetal macrocephaly</td>
<td>S. Saleh-Gargari</td>
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<td>P38.02</td>
<td>Aqueductal stenosis caused by fetal intracranial hemorrhage and leptomeningeal infection: two unusual cases of third trimester ventriculomegaly</td>
<td>H. Bodur</td>
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<td>Fetal optic chiasm measurements: reference range at 22–36 weeks of gestation</td>
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09:00–17:00 GE satellite education area^ PDC 2. Sala Verde

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09:00–17:00 Philips satellite education area^ PDA 3.02

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08:30–10:00 Fetal echocardiography: CHD (*sponsored by GE) PDC Auditorium

Chairs: S. Yagel (Israel); D. Paladini (Italy)

08:30 Overview
J. Espinoza (USA)

08:30 The combination of short cervical length and phiGFBP-1 in the prediction of preterm delivery
L. Danti; S. Gabanelli; C. Barbieri; A. Testori; S. Corini; F. Preliomo; A. Lojacono (Italy)

08:45 Predicting preterm delivery: cervical volume vs cervical length
M. Mancuso; N. Lazebnik; H. Gibbons (USA)

08:50 Assessing the risk of spontaneous preterm birth using ultrasonic cervical length measurement and maternal characteristics
G. Smith; E. Celik; M. To; E. Fonesca; K. Nicolaides (UK)

09:00 Prediction of spontaneous preterm delivery in twin pregnancies by cervical length at mid-gestation
K. Klein; H. Gregor; K. Hirtle-Henner-Ferber; M. Stammler-Safar; A. Witt; A. Hanslik; P. Husslein; E. Krampl (Austria)

09:05 Time-to-delivery in relation to the cervical length and perfusion in pregnancies with threatened preterm labour or premature rupture of the membranes
A. Ierullo; M. Palacio; S. Fernandez; E. Hernandez-Andrade; E. Gratacós (Spain)

09:10 Discussion

09:25 Proteomic analysis of midtrimester amniotic fluid for identification of subclinical intra-amniotic inflammation followed by preterm birth
C. Bamberg; A. Thomas; G. Schaller; R. Bolhmann; J. Dudhausen; K. Kalache (Germany); (UK)

09:30 Clinical significance of the presence of amniotic fluid “sludge” in patients with cervical cerclage
J. Kusano; R. Romero; J. Espinoza; L. Goncalves; F. Gotsch; N. Camacho; W. Lee; O. Erez; M. Schoen; S. Hassan (USA)

09:35 Discussion

09:40 Assessment of fetal lung maturation with 3D ultrasound using VOCAL and ultrasonic tissue characterization with volume histogram technique
Y. Baydur; B. Coban; N. Tansug; M. Miskioglu (Turkey)

09:45 Ultrasonographic and hormonal evaluation of maternal-fetal thyroid status in normal pregnancy and premature birth in women with or without iodine deficiency disorders
V. Vralles; D. Pelinescu (Romania)

09:50 Discussion

09:30 Live scan demonstration
R. Chaoui (Germany)

08:50 Tips and tricks
D. Paladini (Italy)

09:05 Overview
A. Abuhamad (USA)

09:20 The impact of prenatal diagnosis on parental understanding of congenital heart disease
I. Williams; A. Prakash; S. Levasseur; R. Shaw; C. Kleinman; J. Glickstein (USA)

09:25 Discussion

09:28 Anatomy, association and outcome of prenatally detected Double Outlet Right Ventricle
D. Paladini; G. Sglavo; V. De Robertis; G. Pastore; P. Volpe (Italy)

09:33 Ultrasound cardiac and extracardiac findings in fetuses with del 22q11
R. Chaoui; G. Thiel; K. Heling (Germany)

09:38 Discussion

09:43 Power Doppler echocardiography makes it possible to visualise the aortic coarctation ‘shelf’ in the fetus
J. Carvalho (UK)

09:48 Outcome of fetuses with suspected aortic coarctation
A. Perolo; D. Prandstraller; F. Picchio; N. Rizzo; G. Pilu (Italy)

09:53 Discussion

08:30–10:00 Ultrasound and preterm labour PDA 2nd Floor

Chairs: T. Ghi (Italy); J. Espinoza (USA)

08:30 Overview
J. Espinoza (USA)

08:45 The combination of short cervical length and phiGFBP-1 in the prediction of preterm delivery
L. Danti; S. Gabanelli; C. Barbieri; A. Testori; S. Corini; F. Preliomo; A. Lojacono (Italy)

08:50 Predicting preterm delivery: cervical volume vs cervical length
M. Mancuso; N. Lazebnik; H. Gibbons (USA)

08:55 Assessing the risk of spontaneous preterm birth using ultrasonic cervical length measurement and maternal characteristics
G. Smith; E. Celik; M. To; E. Fonesca; K. Nicolaides (UK)

09:00 Prediction of spontaneous preterm delivery in twin pregnancies by cervical length at mid-gestation
K. Klein; H. Gregor; K. Hirtle-Henner-Ferber; M. Stammler-Safar; A. Witt; A. Hanslik; P. Husslein; E. Krampl (Austria)

09:05 Time-to-delivery in relation to the cervical length and perfusion in pregnancies with threatened preterm labour or premature rupture of the membranes
A. Ierullo; M. Palacio; S. Fernandez; E. Hernandez-Andrade; E. Gratacós (Spain)

09:10 Discussion

09:25 Proteomic analysis of midtrimester amniotic fluid for identification of subclinical intra-amniotic inflammation followed by preterm birth
C. Bamberg; A. Thomas; G. Schaller; R. Bolbmann; J. Dudhausen; K. Kalache (Germany); (UK)

09:30 Clinical significance of the presence of amniotic fluid “sludge” in patients with cervical cerclage
J. Kusano; R. Romero; J. Espinoza; L. Goncalves; F. Gotsch; N. Camacho; W. Lee; O. Erez; M. Schoen; S. Hassan (USA)

09:35 Discussion

09:40 Assessment of fetal lung maturation with 3D ultrasound using VOCAL and ultrasonic tissue characterization with volume histogram technique
Y. Baydur; B. Coban; N. Tansug; M. Miskioglu (Turkey)

09:45 Ultrasonographic and hormonal evaluation of maternal-fetal thyroid status in normal pregnancy and premature birth in women with or without iodine deficiency disorders
V. Vralles; D. Pelinescu (Romania)

09:50 Discussion

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## Program – Wednesday 10 October 2007

### 08:30–10:00  Abnormal uterine bleeding and menorrhagia

**PDA Basement**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Assessing abnormal uterine bleeding using ultrasound</td>
<td>E. Epstein (Sweden)</td>
</tr>
<tr>
<td>08:50</td>
<td>Myomectomy or embolisation for fibroids</td>
<td>I. Manyonda (UK)</td>
</tr>
<tr>
<td>09:10</td>
<td>Assessing abnormal uterine bleeding using ultrasound</td>
<td>T. Van den Bosch; A. Daemen; O. Gevaert; D. Timmerman (Belgium)</td>
</tr>
<tr>
<td>09:15</td>
<td>Adenomyosis: sonographic findings before and after insertion of levonorgestrel intrauterine system</td>
<td>A. Amadio; C. Exacoustos; C. Amoroso; B. Szabolcs; E. Vaquero; M. Romanini; E. Zupi; D. Arduini (Italy)</td>
</tr>
<tr>
<td>09:20</td>
<td>Gel-instillation hydrosonography in the evaluation of the uterine cavity</td>
<td>T. Van den Bosch; E. Domali; V. Vandenbroucke; J. Deprest; D. Timmerman; D. Van Schoubroeck (Belgium)</td>
</tr>
<tr>
<td>09:30</td>
<td>The added value of the 3D reconstructed coronal view of the uterus in patients undergoing 2D pelvic sonography</td>
<td>B. Benacerraf; T. Shipp; B. Bromley (USA)</td>
</tr>
<tr>
<td>09:35</td>
<td>Uterine adenomyosis at 3D-transvaginal sonography by VCI analysis</td>
<td>F. Leone; C. Marcian; A. Crepaldi; T. Bignardi; E. Ferrazzi (Italy)</td>
</tr>
<tr>
<td>09:40</td>
<td>Discussion</td>
<td></td>
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### 10:00–10:45  Chaired oral poster discussions (# sponsored by Medison)

**PDC G.Onice**  
**PDC 2.B**  
**PDC 1.04**  
**PDC 1.05**  
**PDC 1.01**  
**PDC 3.A**  
**PDC 1.A**

<table>
<thead>
<tr>
<th>OP14</th>
<th>Uterine artery Doppler</th>
<th>Chairs: A. Baschat (USA); T. Frusca (Italy)</th>
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<tbody>
<tr>
<td>OP15</td>
<td>Twins II</td>
<td>Chairs: E. Gratacós (Spain); J. Deprest (Belgium)</td>
</tr>
<tr>
<td>OP16</td>
<td>Ovarian masses</td>
<td>Chairs: D. Timmerman (Belgium); J. Alcázar (Spain)</td>
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<tr>
<td>OP17</td>
<td>Endometrium and abnormal bleeding</td>
<td>Chairs: E. Ferrazzi (Italy); T. Van Den Bosch (Belgium)</td>
</tr>
<tr>
<td>OP18</td>
<td>Fetal cardiac function</td>
<td>Chairs: B. Tutschek (Germany); G. Rizzo (Italy)</td>
</tr>
<tr>
<td>OP19</td>
<td>Preterm delivery</td>
<td>Chairs: N. Rizzo (Italy); M. Fontanarosa (Italy)</td>
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</tbody>
</table>

Poster viewing is available all day for OP sessions as listed above and:

| P40  | Fetal face and thorax                                              | PDC G.04 |
| P41  | Uterine artery Doppler                                              | PDC G.05 |
| P42  | Endometrium and abnormal bleeding                                   | PDC 1.01 |
| P43  | Ovarian masses                                                      | PDC 1.05 |
| P44  | Chromosomal abnormalities and syndromes                             | PDC 1.01 |
| P45  | Fetal echocardiography and CHD III                                  | PDC 3.0 |

### 11:15–12:30  Fetal echocardiography: 4D and function

**PDC Auditorium**

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:15</td>
<td>Fetal cardiac volumes calculated from reconstructed and from live 3D echo</td>
<td>B. Tutschek¹; L. Hu²; P. Robertson³; M. Schaaf³; M. Minette³; D. Sahri³¹(Germany); ²(USA)</td>
</tr>
<tr>
<td>11:20</td>
<td>STIC acquisition combined with inversion mode and VOCAL for quantification of fetal heart ventricle mass in normal fetuses in the 2nd and 3rd trimesters</td>
<td>B. Messing; S. Cohen; D. Valsky; D. Rosenak; S. Yagel (Israel)</td>
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<tr>
<td>11:25</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>11:30</td>
<td>Automated retrieval of standard diagnostic fetal cardiac ultrasound planes in the second trimester of pregnancy: a prospective evaluation of the software</td>
<td>A. Abuhamad⁴; P. Falkensammer⁴; Y. Zhao⁴¹(USA); ²(Austria)</td>
</tr>
<tr>
<td>11:35</td>
<td>Global Ventricular Performance: a new parameter of fetal cardiac function using Velocity Vector Imaging™</td>
<td>W. Lee; A. Doreswamy; C.H. Comstock; R. Bronsteen; N. Cutler; H. Houle (USA)</td>
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<tr>
<td>11:40</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>11:45</td>
<td>The area behind the heart in the four chamber view and the quest for congenital heart defects</td>
<td>C. Berg; M. Georgiadis; A. Geipel; U. Gembruch (Germany)</td>
</tr>
<tr>
<td>11:50</td>
<td>Cardiovascular transition to extrauterine life in fetal growth restriction (FGR)</td>
<td>S. Turan; O. Turan; M. Salim; C. Harman; A. Baschat (USA)</td>
</tr>
<tr>
<td>11:55</td>
<td>Discussion</td>
<td></td>
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</tbody>
</table>

# Poster sessions are generously supported by Medison. Scientific content is as provided by presenting authors.
Program – Wednesday 10 October 2007

12:00 Utility of serial echocardiographic assessment of atrio-ventricular (AV) conduction in fetuses at risk of immune-mediated heart block
R. Weber; M. Atiyah; E. Silvermann; C. Laskin; E. Jaeggi (Canada)

12:05 Transplacental fetal treatment of isolated Complete Atrio-Ventricular Block (CAVB) with dexamethasone and beta-stimulation: 10-year results
E. Jaeggi; G. Ryan; E. Silverman (Canada)

12:10 Can four dimensional ultrasound with spatio-temporal image correlation be used in the measurement of fetal aortic and pulmonary valve sizes in normal and abnormal hearts?
G. Rizzo; O. Cavicchioni; M. Vendola; A. Capponi; D. Arduini (Italy)

12:15 Discussion

11:15–12:30 Fetal neurosonology II
PDA 2nd Floor

Chairs: G. Malinger (Israel); P. Volpe (Italy)

11:15 Multimodal diagnostic flowchart for prenatal characterization of CNS abnormalities in a tertiary referral center. The role of MRI
D. Paladini; G. Sglavo; M. Quarratelli; M. Vassallo; C. Nappi (Italy)

11:20 Three dimensional ultrasound in the examination of fetal head: its role in basic and advanced examination and the fetal brain during the second trimester
G. Rizzo; A. Capponi; O. Cavicchioni; M. Vendola; D. Arduini (Italy)

11:25 Three dimensional ultrasonography is of limited value in diagnosing fetal spina bifida
A. Carletti; T. Ghi; M. Cecconari; S. Gabrielli; A. Perolo; A. Farina; N. Rizzo; G. Piu (Italy)

11:30 Discussion

11:38 Medullary venous system of fetal brain; high-frequency transvaginal bidirectional power Doppler study
R. Pooh; K. Pooh (Japan)

11:43 Assessment of brain vascularization and blood flow in human fetus using quantitative three-dimensional power Doppler sonography
M. Oberto; P. Gaglioti; M. Mensa; G. Ogge; V. Ciriminna; M. Scatà; G. Panattoni; T. Todros (Italy)

11:48 The relationships between three-dimensional power Doppler indexes of fetal cerebral circulation and haemoglobin concentration in non-anaemic fetuses
E. Moya; B. Hervias; J. Bartha (Spain)

11:53 Discussion

12:01 The role of targeted fetal ultrasound in women with acute toxoplasmosis in pregnancy
A. Agangi; R. Napolitano; G. Mallia Milanes; L. Mazzarelli; F. Quaglia; D. Paladini; P. Martinelli (Italy)

12:06 The clinical value of a cross-sectional view of the fetal brain in screening for major brain malformations during 11–14 weeks
H. Wang (China)

12:11 Differences in leg posture between fetuses in breech and cephalic pregnancies
B. Fong; G. Savelsberg; J. De Vries (Netherlands)

12:16 The assessment of the Sylvian Fissure Operculization (SFO) at between 22 to 32 weeks of gestation using both a subjective and an objective approach
E. Quarvello; J. Stirnemann; L. Guibaud; Y. Ville; M. Nassar (France)

12:21 Discussion

11:15–12:30 Lessons from the IOTA trial
PDA Basement

Chairs: A. Czekierdowski (Poland); D. Paladini (Italy)

11:15 Methodology of the IOTA trial
D. Timmerman (Belgium)

11:25 The ultrasound characteristics of metastatic tumours collected in the IOTA trial
A. Testa (Italy)

11:30 Can models help us with difficult to classify ‘difficult’ tumours?
L. Valentin (Sweden)

11:35 Does CA 125 help us to assess the risk of malignancy?
B. Van Calster (Belgium)

11:40 Logistic regression models to distinguish between benign, primary invasive, borderline malignant and metastatic ovarian tumors
B. Van Calster; D. Timmerman; L. Valentini; A. Testa; C. Van Holsbeke; S. Van Huffel (Belgium); (Italy)

11:45 Accuracy of transvaginal ultrasound examination for assigning a specific diagnosis to adnexal masses
P. Sladkevicius; A. Sokalska; A. Testa; D. Timmerman; C. van Holsbeke; F. Lecuru; U. Metzger; F. Leone; L. Valentini (Sweden); (Italy); (Belgium); (UK)

11:50 The first prospective evaluation of the IOTA phase 1 mathematical models to predict the character of an adnexal mass
C. Van Holsbeke; B. Van Calster; L. Valentini; A. Testa; E. Domali; C. Lu; S. Van Huffel; D. Timmerman (Belgium); (Sweden); (Italy); (UK)
### Program – Wednesday 10 October 2007

#### 11:55
CA-125 does not add to and is not superior to pattern recognition for discrimination between benign and malignant adnexal masses  
L. Valentin¹; D. Jurkovic²; B. Van Calster³; A. Testa²; C. Van Holsbeke³; T. Bourne¹; I. Vergote³; S. Van Huffel³; D. Timmerman¹  
¹(Sweden); ²(UK); ³(Belgium); ⁴(Italy)

#### 12:00
Optimizing variable selection and cost using a genetic algorithm for modelling adnexal masses with Bayesian networks  
O. Gevaert; B. De Moor; D. Timmerman (Belgium)

#### 12:05 Discussion

#### 12:45–13:45 **Medison satellite symposium**
**PDC Auditorium**

**Science of 3D Diagnosis**  
W. Sepulveda (Chile)

**Volume Analysis with 3D XI and STIC**  
R. Bataeva (Russia)

**Art of Perfect 3D Images**  
K. Kalache (Germany)

#### 12:30–14:00 Lunch

#### 14:00–15:30 The fetal face and 3D/4D ultrasound (*sponsored by Medison*)
**PDC Auditorium**

**Chairs:** A. Papageorghiou (UK); V. D’Addario (Italy)

14:00 Live scan demonstration  
W. Sepulveda (Chile)

14:20 Overview  
D. Nyberg (USA)

14:35 Prenatal diagnosis of eyes abnormalities  
M. Pietrzyk; M. Karolczak-Kulesza; A. Jankowiak; J. Brazert; J. Kociecki (Poland)

14:40 Discussion

14:43 The human palate: embryology review and 3D ultrasound-anatomical correlates before birth  
G. Moscoso¹; S. Campbell²  
¹(Spain); ²(UK)

14:48 Comparison between three different methods of scan to visualize the secondary fetal palate by three-dimensional ultrasonography  
G. Centini; L. Rosignoli; E. Faldini; C. Voltolini; G. Tonni (Italy)

14:53 Prenatal ultrasound detection of facial clefts: a prospective study of 49 314 deliveries in a non-selected population in Norway  
K. Offerdal; N. Jebens; T. Syvertsen; H. Blaas; O. Johansen; S. Eik-Nes (Norway)

14:58 Discussion

15:03 Can prenatal ultrasound detect the effects of in utero alcohol exposure?  
M. Kfir¹; L. Yevtushok²; S. Onishchenko²; W. Wertelecki¹; L. Bakhireva¹; C. Chambers¹; A. Hull¹  
¹(USA); ²(Ukraine)

15:08 Discussion

15:11 Can 3D tomographic parallel displays generate all the images required for a fetal ultrasound?  
B. Benacerraf; B. Bromley; T. Shipp (USA)

15:16 Fetal anatomy assessed by three-dimensional ultrasound at 11–13+6 weeks gestation, correlated with the 18–20 week scan and postnatal outcomes  
D. Fauchon; R. Benzie; D. Wye (Australia)

15:21 Three-dimensional extended imaging (3DXI) in the examination of fetal heart and brain at the routine second trimester ultrasound scan  
D. Cafici¹; A. Iglesias¹; A. Wong²; W. Sepulveda²  
¹(Argentina); ²(Chile)

15:26 Discussion

#### 14:00–15:30 Ultrasound in the labour ward
**PDA 2nd Floor**

**H. Dietz (Australia); K. Nicolaides (UK)**

14:00 Overview  
K. Nicolaides (UK)

14:15 Cervical length at mid-gestation and the risk of primary caesarean section at term  
G. Smith; E. Celik; M. To; O. Khouri; K. Nicolaides (UK)

14:20 Transvaginal sonographic cervix and lower uterine segment evaluation for medical induction of labor  
N. Strobelt; S. Mariani; D. Consonni; P. Vergani; A. Biffi; S. Consonni (Italy)

14:25 Discussion

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### Program – Wednesday 10 October 2007

#### 14:00–15:30 Ovarian Masses

**PDA Basement**

**Chairs:** D. Jurkovic (UK); D. Timmerman (Belgium)

14:00 Ultrasound contrast and the assessment of ovarian masses with solid tissue
   - *T. Loureiro*; *N. Montenegro*; *D. Ayres-de Campos* (Portugal)

14:05 The frequency of typical ultrasound morphological features in Borderline Ovarian Tumors
   - *J. Yazbek*; *L. Valentín*; *T.K. Holland*; *A. Testa*; *D. Timmerman*; *D. Jurkovic*
   - *(UK)*; *(Sweden)*; *(Italy)*; *(Belgium)*

14:10 Ultrasound-based triage for surgical management of adnexal masses in asymptomatic women
   - *J. Yazbek*; *T. Holland*; *C. Van Holsbeke*; *A. Testa*; *L. Valentín*; *D. Jurkovic*; *D. Timmerman*
   - *(UK)*; *(Italy)*; *(Sweden)*

14:15 Real-time ultrasound versus static image evaluation of adnexal masses
   - *C. Van Holsbeke*; *J. Yazbek*; *A. Daemen*; *T. Holland*; *A. Testa*; *L. Valentín*; *D. Timmerman*
   - *(Belgium)*

14:20 How accurate is ultrasound pattern recognition at predicting the histological diagnosis of an ovarian mass?
   - *J. Yazbek*; *C. Van Holsbeke*; *A. Daemen*; *T. Holland*; *A. Testa*; *L. Valentín*; *D. Jurkovic*; *D. Timmerman*
   - *(UK)*; *(Italy)*; *(Sweden)*

14:25 Analysis of sonographic and Doppler features of struma ovarii: insights into a diagnostic dilemma
   - *L. Savelli*; *A. Testa*; *D. Timmerman*; *L. Valentín*
   - *(Italy)*; *(Sweden)*

14:30 Pictorial assay on rare ovarian tumors: granulosa cell tumor, clear cell and endometrioid carcinoma
   - *E. Domali*; *C. Van Holsbeke*; *T. Van Den Bosch*; *D. Jurkovic*; *A. Testa*; *L. Valentín*; *D. Timmerman*
   - *(Belgium)*

14:35 Ovarian stromal hyperthecosis: sonographic features and histologic associations
   - *D.L. Brown*; *T. Heinrichsen*; *A. Clayton*; *S. Hudson*; *C. Coddington*; *A. Vella* (USA)

15:00 Ovarian stromal hyperthecosis: sonographic features and histologic associations
   - *D.L. Brown*; *T. Heinrichsen*; *A. Clayton*; *S. Hudson*; *C. Coddington*; *A. Vella* (USA)

15:05 Ultrasoundography Experience versus Power Doppler index for ovarian tumors discrimination
   - *H. Marret*; *L. Vinatier*; *B. Giraudieu*; *F. Tranquart*; *A. Testa*; *I. IGIT Study Group*
   - *(France)*

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### Wednesday Program

14:30 Comparison of the learning curves of digital examination and transabdominal sonography for the diagnosis of fetal head position during labor
   - *P. Rozenberg*; *R. Porcher*; *L. Salomon*; *F. Boirot*; *C. Morin*; *Y. Ville* (France)

14:35 Comparison of fetal head position assessment between ultrasound based LaborPro system and trans-vaginal digital examination during the active stage of labor
   - *J. Nizard*; *Y. Paltieli*; *R. Gonen*; *Y. Ville*
   - *(France)*; *(Israel)*

14:40 Comparison three ultrasound based methods to determine the fetal head station to trans-vaginal digital examination
   - *J. Nizard*; *Y. Paltieli*; *R. Gonen*; *Y. Ville*
   - *(France)*; *(Israel)*

14:45 Ultrasound measurements of fetal head engagement and cervical length as predictive factors of labor outcome in women with induced labor
   - *T. Egeberg*; *L. Gjesting*; *I. Økland*; *P. Romundstad*; *K. Salvesen* (Norway)

14:50 Intrapartum sonographic assessment of fetal head rotation in the second stage of labour
   - *T. Ghi*; *M. Segata*; *G. Simonazzi*; *S. Gabrielli*; *A. Perolo*; *G. Pelusi*; *N. Rizzo*; *G. Pilu* (Italy)

14:55 Discussion
Program – Wednesday 10 October 2007

15:10 Discussion

15:30–16:00 Coffee and poster viewing

16:00–17:40 Fetal and placental circulation I (*sponsored by Siemens)  PDC Auditorium

Chairs: T. Frusca (Italy); T. Kiserud (Norway)

16:00 Live scan demonstration
A. Baschat (USA)

16:20 Overview
T. Kiserud (Norway)

16:35 Increased free fetal DNA (ffDNA) levels in the plasma of pregnant women in early pregnancy are observed in patients who subsequently develop severe placental disease
S. Illanes*; M. Parra*; J. Trebilcock*; K. Pino*; H. Figueroa-Diesel*; C. Romero*; J. Arraztoa*; P. Soothill*
([Chile]; [UK])

16:40 High sFlt-1/PlGF ratio in the early third trimester and preeclampsia frequently occurs in women with both high notch depth index and low PlGF levels in the second trimester
A. Ohkuchi; C. Hirashima; H. Suzuki; S. Matsubara; M. Suzuki (Japan)

16:45 Doppler sonography of uterine arteries at 20–23 weeks: depth of notch predicts probability of adverse pregnancy outcome and degree of IUGR
R. Becker; R. Vonk (Germany)

16:50 Discussion

16:58 Risk assessment of preeclampsia and IUGR in patients with normalization of uterine artery Doppler study between 20 and 24 weeks
M. Comas; O. Gómez; F. Crispi; J. Barravides-Serralde; E. Meler; A. Rabanal; N. Masoller; F. Figueras; E. Gratacos (Spain)

17:03 The effect of uterine artery Doppler and maternal ethnicity on the risk of stillbirth
T. Singh; A. Papaergouhou; K. Melchiore; B. Thilaganathan; A. Hide (UK)

17:08 Prediction of preeclampsia by the uterine artery Doppler waveform analysis in pregnancies complicated with chronic arterial hypertension
O. Moreno-Alvarez; E. Herrerias; L. Guevara; M. Garcia-Espincoza; A. López-Arguello; E. Hernández-Andrade (Mexico)

17:13 Elevated total vascular resistance more than persisting bilateral notches of uterine artery Doppler waveforms identifies patients at risk for pregnancy complications
B. Vasapollo; G. Novelli; H. Valensise (Italy)

17:18 Discussion

17:26 Treatment with NO donor patches in asymptomatic women with bilateral notch and elevated total vascular resistance
H. Valensise; B. Vasapollo; G. Novelli (Italy)

17:31 Discussion

16:00–17:30 Invasive procedures and fetal treatment  PDA 2nd Floor

N. Rizzo (Italy); K. Hecher (Germany)

16:00 Overview: the risks of invasive procedures
Y. Ville (France)

16:15 Overview: invasive procedures in twins
K. Hecher (Germany)

16:30 Experience FETO group with tracheal occlusion for left sided diaphragmatic hernia at variable gestational age
J. Deprest; J. Jani; E. Gratacos; K. Nicolaides; S. Salcedo; K. Allegaert; A. Greenough
([Belgium]; [Spain]; [UK])

16:38 Discussion

16:43 New methods for prediction of survival in fetuses with congenital diaphragmatic hernia treated with tracheal occlusion
O. Moreno-Alvarez; J. Jani; E. Hernández-Andrade; E. Done; T. Jansson; J. Martinez; J. Deprest; B. Puerto; D. Oros; E. Gratacos
([Spain]; [Belgium]; [Sweden])

16:53 Hyperoxygenation test for pulmonary vascular reactivity and neonatal outcome in fetuses with severe congenital diaphragmatic hernia
E. Doré; L. Giucciardo; T. Van Mieghem; J. Jani; D. Van Schoubroeck; K. Allegaert; A. Debeer; J. Deprest (Belgium)

16:58 Serial measurement of Lung Head Ratio (LHR) does not predict survival in left-sided congenital diaphragmatic hernia (CDH)
M. Bebbington; E. Danzer; H. Hedrick; A. Flake; R. Wilson; M. Johnson; N. Adzick (USA)

17:03 Discussion

17:13 Fetal Positron Emission Tomography during acute hypoxia and after fetoscopic coagulation of major placental vessels
M. Tchirkov; M. Schreckenberger; M. Strohner; C. Interthal; A. Puhl; H. Buchholz; A. Scholz; K. Hecher (Germany)

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### Program – Wednesday 10 October 2007

#### 16:00–17:30 Imaging and the oncology patient

**PDA Basement**

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<tr>
<td>16:00</td>
<td>The specific features of borderline disease</td>
<td>C. Exacoustos (Italy)</td>
</tr>
<tr>
<td>16:10</td>
<td>Ultrasound and the detection of ovarian metastasis and tumour recurrence</td>
<td>A. Testa (Italy)</td>
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<td>16:20</td>
<td>Transvaginal sonographic features of peritoneal carcinomatosis</td>
<td>L. Savelli (Italy)</td>
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<tr>
<td>16:30</td>
<td>Ultrasonographic detection of recurrence after conservative surgery for Borderline Ovarian tumors</td>
<td>D. Franchi; S. Boveri; M. Pittelli; N. Colombo; M. Sideri (Italy)</td>
</tr>
<tr>
<td>16:35</td>
<td>Imaging in gynecological disease (1): ultrasound features of metastases in the ovaries differ depending on the origin of the primary tumor</td>
<td>A. Testa; G. Ferrandina; D. Timmerman; L. Savelli; M. Ludovisi; C. Van Holsbeke; M. Malaggese; G. Scambia; L. Savelli (Italy; Belgium; Sweden)</td>
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<tr>
<td>16:40</td>
<td>Imaging in gynecological disease (2): ultrasound features of metastases in the ovaries differ depending on the origin of the primary tumor</td>
<td>A. Testa; G. Ferrandina; D. Timmerman; L. Savelli; M. Ludovisi; C. Van Holsbeke; M. Malaggese; G. Scambia; L. Savelli (Italy; Belgium; Sweden)</td>
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<tr>
<td>16:45</td>
<td>Ultrasound-guided tru-cut biopsy in the management of advanced abdomino-pelvic tumors</td>
<td>D. Fischerova; D. Cibula; P. Dundr; M. Zikan; P. Freitag; J. Slama; P. Calda (Czech Republic)</td>
</tr>
<tr>
<td>16:50</td>
<td>Three-dimensional sonography and VEGF/VEGF receptor concentrations assessment in women with benign and malignant endometrial changes</td>
<td>A. Czekierdowski; M. Chrosciel; N. Stachowicz; J. Kotarski (Poland)</td>
</tr>
<tr>
<td>16:55</td>
<td>Transrectal ultrasound (TRUS) and MRI in staging of early cervical cancer</td>
<td>D. Fischerova; D. Cibula; M. Zikan; P. Freitag; J. Slama; H. Vondrichova; H. Stenhova; P. Calda (Czech Republic)</td>
</tr>
<tr>
<td>17:00</td>
<td>Can 3D volume acquisitions displayed with TUI be used to interpret and archive GYN scans done remotely?</td>
<td>B. Benacerraf; B. Bromley; T. Shipp (USA)</td>
</tr>
<tr>
<td>17:05</td>
<td>3D VOCAL volume measurements in endometrial carcinoma staging: is it worthy?</td>
<td>M. Boletta; S. Ricci Bitti; S. Sansavini; L.F. Orsini (Italy)</td>
</tr>
<tr>
<td>17:10</td>
<td>Three-dimensional endometrial volume and 3-dimensional power Doppler analysis in predicting endometrial carcinoma</td>
<td>M. Odeh; I. Vainerovsky; V. Grinin; M. Kais; E. Ophir; J. Bornstein (Israel)</td>
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<tr>
<td>17:15</td>
<td>Discussion</td>
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</table>

**WEDNESDAY PROGRAM**
### Oral poster presentations – sponsored by MEDISON

**Discussion groups for oral posters: 10:00–10:45**

**Viewing available all day**

#### OP14: Uterine artery Doppler

Chairs: A. Baschat (USA); T. Frusca (Italy)

- **Uterine artery Doppler at 10–14 weeks and the interaction between decidual NK cells and extravillous trophoblast: an immunohistochemical study**
  - **F. Prefumo** (United Kingdom)
  - **OP14.01**
- **Predictive value of maternal angiogenic factors in second trimester pregnancies with abnormal uterine perfusion**
  - **R. Faber** (Germany)
  - **OP14.02**
- **Circulatory soluble endoglin and its predictive value for preeclampsia in second trimester pregnancies with abnormal uterine perfusion**
  - **R. Faber** (Germany)
  - **OP14.03**
- **Uterine artery Doppler in women with abnormal first and second trimester serum screening**
  - **A. David** (United Kingdom)
  - **OP14.04**
- **Incidence and clinical impact of inherited thrombophilia in second trimester pregnancies with abnormal uterine Doppler**
  - **S. Schrey** (Germany)
  - **OP14.05**
- **Dynamic of abnormal uterine perfusion during pregnancy and perinatal outcome**
  - **S. Schrey** (Germany)
  - **OP14.06**
- **Prediction of preeclampsia or gestational hypertension by first trimester uterine artery Doppler and maternal serum markers in nulliparous women**
  - **F. Audibert** (Canada)
  - **OP14.07**
- **Neurodevelopmental outcome in premature infants affected with intrauterine growth restriction**
  - **E. Gratacós** (Spain)
  - **OP14.08**
- **Perinatal and neurological outcomes in low birth foetuses with pathologic doppler study in middle cerebral artery**
  - **M. Illa** (Spain)
  - **OP14.09**
- **White matter damage and hemorrhagic brain lesions in severely preterm infants with and without intrauterine growth restriction**
  - **E. Hernandez-Andrade** (Spain)
  - **OP14.10**
- **Middle cerebral artery Doppler velocimetry in fetuses with intrauterine growth restriction: correlation with neonatal cranial sonography and short-term perinatal outcome**
  - **R. Hershkovitz** (Israel)
  - **OP14.11**
- **Outcome after active delivery before 30 gestational weeks of pregnancies complicated by fetal growth restriction and ARED flow**
  - **J. Brodszki** (Sweden)
  - **OP14.12**
- **Prediction of adverse outcome in fetal growth restriction (FGR) – the role of middle cerebral artery peak systolic velocity (MCA PSV)**
  - **A. Baschat** (United States)
  - **OP14.13**
- **Doppler, cardiotocography and biophysical profile score in IUGR fetuses because of maternal preeclampsia**
  - **E. Cosmi** (Italy)
  - **OP14.14**

#### OP15: Twins II

Chairs: E. Gratacós (Spain); J. Deprest (Belgium)

- **Absolute uterine artery blood flow volume is increased in twin human pregnancies compared to singletons**
  - **S. Rigano** (Italy)
  - **OP15.01**
- **Intertwin disparity in crown-rump length, gestational sac and yolk sac size and fetal heart rate at 7 weeks' gestation**
  - **F. Breathnach** (Ireland)
  - **OP15.02**
- **Clinical significance of first trimester crown-rump length discrepancy in twin gestations**
  - **P. Prats** (Spain)
  - **OP15.03**
- **Pseudo-amniotic band syndrome: a rare complication of monochorionic twins with fetofetal transfusion syndrome treated by laser coagulation**
  - **N. Winer** (France)
  - **OP15.04**
- **Spontaneous intertwin dividing membranes rupture and membranes detachment in twin-twin transfusion syndrome**
  - **R. Chmat** (United States)
  - **OP15.05**
- **The use of 3D US for diagnosis of unicorinate and didelphys uteri with twins gestation during first trimester of pregnancy**
  - **E. Zohav** (Israel)
  - **OP15.06**
- **The use of MRI, ultrasound and Doppler in the diagnosis and management of a triplet pregnancy complicated by conjoined anomalous pyopagus twins**
  - **B. Steat** (United States)
  - **OP15.07**
- **Influence of the initial and final number of fetuses after Multifetal Pregnancy Reduction on successful pregnancy outcome**
  - **L. Timor-Tritsch** (United States)
  - **OP15.08**
- **Cerclage indicated by short cervix in twins when performed late in pregnancy (20 to 30 weeks)**
  - **M. Yamamoto** (Chile)
  - **OP15.09**
- **Monochorionic and dichorionic twin pregnancies discordant for fetal anencephaly: a systematic review of prenatal management options**
  - **L. De Catte** (Belgium)
  - **OP15.10**
OP16: Ovarian masses

**Chairs:** D. Timmerman (Belgium); J. Alcázar (Spain)

**Internal echo histogram for differentiation of ovarian masses**
Y. Kim (Republic of Korea)

**Comparison of sonovue contrasted sonography and color Doppler in the differential diagnosis of pelvic mass**
J. Zhang (China)

**Reproducibility of different patterns of benign ovarian masses assessed by transvaginal ultrasonography evaluated by several operators with different degree of experience**
S. Guerriero (Italy)

**Evaluation of response to neoadjuvant chemotherapy in advanced ovarian cancer by transvaginal sonography**
P. Rosati (Italy)

**Torsion of normal adnexa in post-menarchal females: can ultrasound alert to an ischemic process?**
N. Smorgick (Israel)

**3D exploration of 2D defined unilocular cysts**
P. Fratto (Italy)

**Intraobserver and interobserver agreement of B-mode typical ultrasonographic patterns suggestive of presence of ovarian malignancy**
S. Guerriero (Italy)

**Virtual 3D power Doppler angiographic spherical tissue sampling for evaluation of ovarian pathology**
I. Timor-Tritsch (United States)

**Ovarian tumor vascular network assessment by three-dimensional power Doppler angiography (3D-PDA): a reproducibility study**
J. Alcazar (Spain)

**Doppler evaluation of Wall Shear Rate, Wall distension Rate and velocity profile in preoperative ovarian masses: preliminary results**
G. Urban (Italy)

**Implementation of quality control for standard gynecological examination. Feasibility and reproducibility of an image scoring method for gynecological ultrasound examination in the emergency room**
L. Salomon (France)

OP17: Endometrium and abnormal bleeding

**Presentation:** PDA Basement

**Viewing:** PDC 1.01

**Chairs:** E. Ferrazzi (Italy); T. Van Den Bosch (Belgium)

**Endometrial thickness assessed by ultrasound in the postmenopausal patient receiving HRT**
D. Tutunaru (Romania)

**Use of ultrasound to reduce the need for hysteroscopy in the management of postmenopausal bleeding (PMB): introduction of a ‘one-stop’ clinic**
M. Johnson (United Kingdom)

**The impact of a two-week referral rapid access ultrasound-based clinic to assess women considered at high risk of gynaecological malignancy**
S. Ahmed (United Kingdom)

**Comparison of transvaginal ultrasonography and the hysteroscopy in the diagnosis of uterine lesions**
G. Kozarov (Serbia and Montenegro)

**Comparison of the number of uterine myomas detected by transvaginal ultrasonography and removed by laparotomic myomectomy**
P. Tondi (Italy)

**Endometrial hyperplasia at 3D-transvaginal sonography by VCI analysis**
P. Leone (Italy)

**Menometrorrhagia due to impaired uterine drainage**
P. Sanders (United States)

**Intraoperative ultrasound in gynecological surgery for uterine fibroids**
C. Battista (Italy)

**Late apparition of vaginal discharge after uterine artery embolization for interstitial fibroid tumors: interest of magnetic resonance imaging**
O. Morel (France)

**Radiofrequency ablation for treatment of retained trophoblast or placenta: evaluation in vitro & on animal model**
O. Morel (France)

OP18: Fetal cardiac function

**Chairs:** B. Tutschek (Germany); G. Rizzo (Italy)

**Evaluation of PR interval in Anti Ro/La positive mothers**
V. Vangi (Italy)

**Fetal echocardiographic monitoring in fetuses at risk for congenital heart block**
L. Franceschetti (Italy)

**Experimental study of the role of maternal consumption of green tea, mate tea and grape juice on fetal ductal constriction**
P. Zielinsky (Brazil)

**Flow velocity waveforms in the chicken embryonic heart at developmental stages comparable with the first trimester of human pregnancy**
A. Oosterbaan (Netherlands)
Cardiac function in fetuses with normal hearts at 11–15 weeks and 20–23 weeks gestation
S. Clur (Netherlands)

Increased fetal nuchal translucency and cardiac (dys)function
S. Clur (Netherlands)

Use of ‘E-flow’ colour mode to image the aortic-ductal arch junction in the fetus
J. Carvalho (United Kingdom)

Evidence of changes in the 3rd trimester cardiac outputs of fetuses with increased Nuchal Translucency
M. Bellotti (Italy)

Doppler tissue imaging of the fetal myocardium: normal values and developmental changes during gestation
J. Rychik (United States)

Variations in normal left ventricular tei index values are lower when measured with tissue velocity Doppler
M. Brestak (Czech Republic)

Quantification of regional atrial contraction in the fetal heart using the parameters strain and velocity – a Tissue Doppler Imaging (TDI) study
J. Steinhard (Germany)

Assessment of myocardial 2D strain in the right ventricle (RV) of the fetal heart by speckle tracking imaging (STI)
J. Steinhard (Germany)

Spatio-temporal image correlation for evaluation a fetal cardiac malformation. Report on two complex cases
F. Fuchs (France)

PAPP-A and hCG as markers of low birth weight and preterm delivery in a consecutive cohort of 1867 pregnancies undergoing combined first trimester screening for Down syndrome
K. Pihl (Denmark)

The use of transvaginal ultrasonography to predict preterm birth in asymptomatic women at increased risk: a systematic review
J. Crane (Canada)

The use of transvaginal ultrasonography to predict preterm birth in women with a history of spontaneous preterm birth
J. Crane (Canada)

Combination of new markers in preterm delivery
D. Paternoster (Italy)

A comparison of cervical length measurement and phiGFBP-1 in the prediction of preterm delivery
L. Danti (Italy)

Cervical length and risk of antepartum bleeding in women with complete placenta praevia
T. Ghi (Italy)

Three-dimensional ultrasound assessment of the cervix: evaluation of cervical operations
A. Bergann (Italy)

The role of aminodrainage in emergency cerclage: a technique to improve materno-fetal outcome
F. Quijano (Colombia)

Qualitative characteristics of uterine Doppler waveforms during early gestation in patients after conservative myomectomy
E. Fedorova (Russian Federation)

Biweekly transvaginal ultrasound surveillance to evaluate cervical length in triplet gestations
D. Wood (United States)

Posters – Wednesday 10 October 2007

OP19: Preterm delivery

Chairs: N. Rizzo (Italy); M. Fontanarosa (Italy)

P40: Fetal face and thorax

G. Ramos (United States)

Three-dimensional sonographic visualization of the fetal face: effect of the amniotic fluid volume
S. Kondoh (Japan)

Three-dimensional sonographic assessment of the fetal face with Prader-Willy syndrome
C. Drummond (Brazil)

Prenatal diagnosis of enlarged parietal foramina in the second trimester using three-dimensional ultrasound
J. Solomon (United States)

Prenatal diagnosis of dacrocystocele. Case report
G. Nazzaro (Italy)

Absent nasal bones demonstrated with three-dimensional (3D) maximum render mode in second-trimester screening for Down syndrome
L. Di Luzio (Italy)

An evaluation of the assessment methods for fetal cleft lip/palate on 3D ultrasound
H. Wong (New Zealand)
Posters – Wednesday 10 October 2007

Abstract no. P40.08
Posterior wall of the fetal palate: is it a reliable sign applicable in routine? J. Develay-Morice (France)

Predominance of nasal breathing over swallowing determined by color Doppler as a new sign for prenatal diagnosis of micrognathia M. Basbug (Turkey)

Nomograms of the fetal neck circumference and area throughout gestation M. Dalloul (United States)

Foetal oesophagus’s pathology: place of the pouch sign J. Develay-Morice (France)

Semi-quantitative study of tracheal fluid flow in a fetus with pulmonary hypoplasia: possible prognostic factor G. Grange (France)

Prenatal diagnosis of tracheal diverticulum first report: anatomic goals and review M. Herrera (Colombia)

Clinical significance of fetal lung mass M. Herrera (Colombia)

Pulmonary underdevelopment. The clues are in mediastinal shift and pulmonary vessels. J. Ochoa (Argentina)

Cystic Adenomatoid Malformation volume ratio to predict fetal outcome: bideimensional versus three-dimensional ultrasound G. Nazzaro (Italy)

Congenital cystic adenomatoid malformation – case report A. Keresztüri (Hungary)

The antenatal and postnatal management in a case of pulmonary sequestration N. Mantas (Greece)

P41: Uterine artery Doppler

Uterine arteries blood flow comparison in 11+0 – 13+6 weeks of pregnancy after natural and ART conception O. Solovyov (Ukraine)

Prediction of preeclampsia and intrauterine growth restriction by uterine artery doppler blood flow velocity analysis B. Šoja (Slovenia)

Uterine artery Doppler at 10–14 weeks and maternal serum concentrations of asymmetric dimethylarginine F. Prefumo (United Kingdom)

Defective spiral artery transformation during the first half of pregnancy is a likely underlying mechanism for early pre-eclampsia but not for late pre-eclampsia K. Melchiorre (United Kingdom)

Prediction of pre-eclampsia using a combination of first trimester arterial pulse wave analysis and second trimester uterine artery Doppler waveform A. Khalil (United Kingdom)

Markers of maternal endothelial dysfunction and ultrasound assessment of fetomaternal circulation in pregnancy complicated with type 1 diabetes M. Pietryga (Poland)

Uterine Doppler and cerebro-placental ratio for the prediction of perinatal outcome of small for gestational age fetuses M. Fernandez (Spain)

Abnormal uterine artery Doppler flow velocimetry detected after the 34th week does not affect pregnancies complicated by fetal growth restriction R. Hershkovitz (Israel)

Uterine artery blood flow in small-for-gestational age fetuses with normal umbilical artery Doppler measurements M. Fajardo (Spain)

Uterine artery impedance of the gravid uterus: nomograms of pulsatility and resistivity indices S. Wong (Singapore)

Three-dimensional power Doppler angiography in the diagnosis of pseudoaneurysm of the uterine artery C. Albori (Italy)

Unilaterally increased uterine arteries resistance in the third trimester and pregnancy outcome T. Ghi (Italy)

Doppler ultrasound measurements of uteroplacental blood flow in pregnancies complicated by placental malaria (preliminary report) N. Lazebojnik (United States)

P42: Endometrium and abnormal bleeding

Transvaginal ultrasonography in the treatment of mature active woman with functional uterine bleeding C. Constantinescu (Romania)

Ultrasongraphic evaluation of the endometrium: transperineal versus endovaginal imaging S. Pinha (Portugal)

Does ibuprofen reduce the pain experienced in patients having outpatient hysteroscopy? A. Saba (United Kingdom)

The differential diagnosis of bicornuate and septate uterine anomalies by three dimensional extended imaging (3D XI) TM S. Kim (Republic of Korea)
Endometrial carcinoma: 3D power Doppler ultrasonographic findings  
M. Pascual (Spain)  

Uterine arteriovenous malformations with three dimensional presentation – a case report  
P. Yang (Taiwan)  

Transvaginal 3D multislice saline infusion sonohysterography  
A. Jurisic (Serbia and Montenegro)  

Hysteroscopic resection of endometrial polyps: a retrospective study  
A. Ricciardulli (Italy)  

US evaluation of endometrial thickness and ecogenicity in women taking Tamoxifen  
C. Stegher (Italy)  

Videohysteroscopy resection of myoma: the importance of ultrasound in the per-operative  
R. Moreira de Sa (Brazil)  

Role of endovaginal (2D and Doppler) ultrasound in the diagnosis of endometrial carcinoma in menopausal patients  
N. Costin (Romania)  

Long-term outcomes of ultrasound-guided treatment of the complicated forms of pelvic inflammatory diseases of women  
T. Makukhina (Russian Federation)  

Ultra-sonographic assessment of endometrial cavity in two times: ultrasound, sono-hysterography with saline infusion  
D. Lorenzi (Italy)  

Real-time 3-dimensional sonohysterography-guided biopsy of focal endometrial abnormalities: technical feasibility and diagnostic accuracy  
E. Lee (Republic of Korea)  

MR imaging of abnormal uterine cavity: emphasis on differential diagnosis with endometrial carcinoma  
K. Kim ( Republic of Korea)  

Case report: Successful pregnancy after the ultrasound guided laparoscopy electrolymalysis  
K. Nouzová (Czech Republic)  

P43: Ovarian masses  

The effect of a levonorgestrel-releasing intrauterine system on ovarian cyst formation in women  
T. Stojićkovic (United Kingdom)  

Ultrasound routine assessment in an unselected HIV-positive population followed at a tertiary referral OB/GYN center  
G. Maruotti (Italy)  

Therapeutic effect of ultrasound-guided aspiration and sclerothreapy against operation in ovarian endometriomas  
L. Wang (China)  

The mean gray value of VOCAL Technique can assist in making differential diagnosis of Chocolate Cyst and other benign ovarian tumor: a preliminary study  
C. Chen (Taiwan)  

Assessment of benign ovarian masses with the use of 3-D and 3-D power Doppler ultrasound  
N. Vrachnis (Greece)  

Accuracy of transvaginal ultrasound in evaluation of solid adnexal masses  
M. Kuleva (Italy)  

Three-dimensional sonography in differential diagnosis of ovariunm tumors: our experience  
A. Lyova (Russian Federation)  

Usefulness of transvaginal color Doppler ultrasound in early diagnosis of ovarian cancer  
M. Pascual (Spain)  

Parovarian cysts: comparison of serial sonographic features and pathologic findings  
D. Kwak (Republic of Korea)  

Integrated US (2D, Doppler color, 3D) in the prediction of ovarian cancer  
M. Huamán Guerrero (Peru)  

Ultrasound characteristics of hydrosalpinx  
E. Domali (Belgium)  

Adnexal torsion at gestational limits of viability; is Doppler ultrasound helpful?  
M. Thompson (United Kingdom)  

US-guided aspiration of ovarian cysts: does it still have a role in clinical management?  
C. Stegher (Italy)  

Ultrasoundography in the diagnosis and follow-up of patients with abdominopelvic tuberculosis  
R. Panlilio-Vitriolo (Philippines)  

Benign ovarian tumors with solid and cystic components that mimick malignancy  
K. Kim (Republic of Korea)
P44: Chromosomal abnormalities and syndromes

Cardiac and craniofacial findings in detection of trisomy 18
A. Gedikbasi (Turkey)

“Disappearing” mosaic cell line: a necessary consideration in third trimester asymmetric fetal growth restriction and neonatal developmental delay
D. Jackson (United States)

3D/4D diagnosis of Beckwith-Wiedeman Syndrome in a fetus with an elevated alpha-fetoprotein (AFP) level at the second trimester maternal serum screening
L. Di Luzio (Italy)

Beckwith-Wiedemann Syndrome: prenatal 2-D and 3-D US diagnosis – case report
P. Nowak (Brazil)

Feingold syndrome with ring chromosome 13
Y. Kim (Republic of Korea)

Prenatal diagnosis of a case of Wolf-Hirschhorn Syndrome
M. Billeux (Switzerland)

Elevated serum alpha fetoprotein and sonographic features associated with mosaic trisomy 8
A. Ness (United States)

Case report of a complete trisomy 9
N. Martins (Portugal)

Prenatal diagnosis and neonatal management of Pallister-Killian-Sydrome: a case report
J. Baumueller (Germany)

Case report: a prenatal case of jarcho-levin syndrome diagnosed during the second trimester of pregnancy
M. Rabanal (Spain)

Kartagener syndrome – a case report
G. Conoscenti (Italy)

Two pregnancies with anhydramnios, ventriculomegaly, agenesis of the corpus callosum, and fetal cardiac defects: prenatal findings of desmosterolosis
D. Jackson (United States)

Prenatal diagnosis of mucolipidosis II using genetic testing
J. Hartung (Germany)

Jarcho – Levin Syndrome: second and first trimester ultrasound features
M. Herrera (Colombia)

Prenatal diagnosis of a case of otocephaly, situs inversus and holoprosencephaly. A case report
A. Kondylios (Greece)

Prenatal diagnosis of Neu Laxova syndrome without typical facial features
M. Basbug (Turkey)

Second trimester prenatal diagnosis of Cornelia de Lange Syndrome, identification of limb abnormalities with a sinister cause
T. Homfray (United Kingdom)

Restrictive dermopathy: lethal tight skin contracture syndrome
J. Shin (Republic of Korea)

Sequential ultrasound examination for diagnosis of Chondroectodermal Dysplasia: Ellis-van Creveld Syndrome
M. Herrera (Colombia)

Uncommon combination of hypertrophic cardiomyopathy and bilateral renal agenesis in a fetus at 16 weeks gestation
F. Lenz (Germany)

A case of Harlequin ichthyosis
J. W (Republic of Korea)

Reversal of mirror syndrome after prenatal treatment of diamond-blackfan anemia
D. Valsky (Israel)

A variant of pena-shokeir syndrome
J. Shin (Republic of Korea)

P45: Fetal echocardiography and CHD III

Feasibility and reproducibility of E and A waves duration in Doppler evaluation of the ductus venosus in twin-to-twin transfusion syndrome
L. Salomon (France)

Reference ranges for cardiac output of the left ventricle by planimetric in fetuses between 19 weeks and 37 weeks
J. Otero-Pinto (Colombia)

Fetal cardiac ventricular strain using velocity vector imaging
W. Lee (United States)

Velocity vector imaging to assess fetal myocardial function
A. Selbing (Sweden)

The 3D Multislice technique in the study of fetal cardiac long axis views
G. Nazzaro (Italy)
<table>
<thead>
<tr>
<th>Abstract no.</th>
<th>Title</th>
<th>Authors/Institutions</th>
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<tr>
<td>P45.06</td>
<td>Early fetal echocardiography with STIC technology</td>
<td>M. Bennasar (Spain)</td>
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<tr>
<td>P45.07</td>
<td>Report of three congenital heart defects diagnosed by STIC technology during the 11–14 weeks’ ultrasound</td>
<td>M. Bennasar (Spain)</td>
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<td>P45.08</td>
<td>Added value of 3D/4D ultrasound modalities in the diagnosis and evaluation of fetal cardinal vein anomalies</td>
<td>S. Yagel (Israel)</td>
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<td>P45.09</td>
<td>Application of three-dimensional fetal echocardiography in II-III trimesters</td>
<td>K. Yusypov (Russian Federation)</td>
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<td>P45.10</td>
<td>Fetal left ventricular outflow tract lesions in pregnancies conceived by artificial reproductive technologies</td>
<td>J. Lougheed (Canada)</td>
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<td>P45.11</td>
<td>Tetralogy of Fallot with normal nuchal translucency and normal karyotype, a case report</td>
<td>S. Yagel (Israel)</td>
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<td>P45.12</td>
<td>Fetal dilated cardiomyopathy: case report</td>
<td>S. Marta (Portugal)</td>
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<td>P45.13</td>
<td>Imaging of fetal coronary arteries and pulmonary veins with gray and color flow Doppler sonography</td>
<td>E. Ji (Republic of Korea)</td>
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<td>P45.14</td>
<td>Endocardial fibroelastosis secondary to a left ventricle obstructive malformation: case report</td>
<td>S. Marta (Portugal)</td>
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<td>P45.15</td>
<td>Prenatal diagnosis of fetal left pulmonary arterial sling</td>
<td>H. Yorioda (Japan)</td>
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<td>P45.16</td>
<td>Aggressive maternal therapy for foetal arrhythmia</td>
<td>V. Moragnani (United States)</td>
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Program – Thursday 11 October

08:30–10:00  Skeletal anomalies from 2D to 3D (*sponsored by GE)  
PDC Auditorium

08:30  Live scan demonstration

B. Benoit (France)

08:50  Prenatal diagnosis of skeletal dysplasias (n=165) in a single institution

T. Schramm; B. Tutschek; S. Minderer; C. Daumer-Haas; K. Hörtnagel; A. Nerlich; K. Gloning (Germany)

08:55  Prenatal diagnosis of skeletal dysplasias: 12-year single center experience

M. Basbug; M. Ozgun; I. Serin; H. Akgun; M. Dundar; S. Kurtoglu (Turkey)

09:00  Discussion

09:05  Prenatal ultrasound detection of talipes equinovarus in a non-selected population of 49 314 deliveries in Norway

K. Offerdal; N. Jebens; H. Blaas; S. El-Nes (Norway)

09:10  Prenatal diagnosis of upper limb reduction defects – a case series from a tertiary care centre

J. Keunen; D. Chitayat; R. Windrim; P. Seaward; G. Ryan; K. Chong; A. Toi (Canada)

09:15  Fetal forearm anomalies: prenatal diagnosis, associations and management strategies

E. Pajkrt; D. Griffin; L. Chitty

(Netherlands); (UK)

09:20  Discussion

09:28  Abnormal fetal head shape: aetiology and management

O. Petersen; A. David; L. Thomasson; L. Chitty

(Denmark); (UK)

09:33  Outcome of fetuses with sonographic diagnosis of micrognathia

M. Basbug; M. Ozgun; B. Ozcelik; H. Akgun; M. Akcakus; M. Dundar (Turkey)

09:38  Prenatal diagnosis of hemivertebra

M. Segato; M. Piva; T. Ghi; G. Simonazzi; N. Rizzo; G. Pili (Italy)

09:43  Prenatal diagnosis of isolated abnormal number of ribs

R. Herschkovitz; Y. Zalel (Israel)

09:48  Discussion

08:30–10:00  Fetal and placental circulation II  
PDA 2nd Floor

08:30  Blood pressure estimation in the human fetal descending aorta

P. Struijk; V. Mathews; T. Loupas; P.A. Stewart; E. Clark; E. Steegers; J. Wladimiroff

(Netherlands); (USA); (Greece)

08:35  Discussion

08:38  Going beyond the Doppler index: a clinical classification of abnormal ductus venosus (DV) blood flow

S. Turan; O.M. Turan; K. Monagle; A. Baschat (USA)

08:43  Discussion

08:46  Selective ligature of uteroplacental vessels in the pregnant rabbit: a novel experimental model of intrauterine growth restriction

E. Eixarch; E. Hernández-Andrade; F. Figueras; E. Gratacós (Spain)

08:51  Uteroplacental hemodynamics and trophoblast invasion in a transgenic rat model for preeclampsia

S. Verkoren; N. Geusens; M. Taube; L. Hering; L. Vercruysse; M. Hanssens; J. Dudenhausen; R. Dechend; R. Pijnenborg; W. Henrich

(Germany); (Belgium)

08:56  Discussion

09:01  Prediction of pregnancy outcome by second-trimester Doppler examination in patients with anemia during pregnancy

H. Hwang; J. Kwon; Y. Kim; Y. Park (Republic of Korea)

09:06  Predictiveness of antenatal umbilical artery Doppler for adverse pregnancy outcome in small-for-gestational age babies according to customised birthweight centiles

F. Figueras; E. Eixarch; E. Meler; A. Iraola; M. Ilia; J. Gardosi; E. Gratacós

(Spain); (UK)

09:11  Fetal oxygen uptake in normal and IUGR pregnancies

T. Radaelli; I. Cetin; S. Bolto; V. Cozzi; M. Taricco; G. Alvino; E. Iurlaro; A. Martinelli; G. Pardi (Italy)

09:16  Discussion

09:24  Evidences of early changes in the distribution of cardiac output to the placenta in fetal growth restriction

G. Rizzo; A. Capponi; O. Cavicchioni; M. Vendola; D. Arduini (Italy)

09:29  Sequence of cardiovascular changes occurring in severe IUGR fetuses in pregnancies complicated by preeclampsia and in pregnancies without this complication

F. Hanfl; G. Man; K. Drennan; M. Kruger (USA)

09:34  Three-dimensional power Doppler analysis of cerebral circulation in normal and growth restricted fetuses

J. Bartha; E. Moya; B. Hervias (Spain)

09:39  Discussion

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Program – Thursday 11 October

09:49 Hemodynamic effects of betamethasone on growth-restricted fetuses with absent or reversed end-diastolic flow
  A. Cromi; L. Raio; D. Surbek; S. Tomera; G. Siesto; B. Lischetti; F. Ghezzi
  (Italy); (Switzerland)

09:54 Discussion

08:30–10:00 Urogynecology

08:30 Female Pelvic Organ Prolapse and Levator Trauma
  H. Dietz (Australia)

08:40 Imaging of the Perigee Transobturator mesh and its effect on stress incontinence
  K. Shek; A. Rane; J. Goh; H. Dietz (Australia)

08:45 Can ultrasound replace Xray Proctography in women with obstructed defecation?
  G. Perniola; K. Shek; H. Dietz; C. Chong; J. Cartmill; S. Chew
  (Italy); (Australia)

08:50 Pubococcygeus-puborectalis trauma after instrumental delivery-the use of 4D ultrasound in the evaluation of
  levator ani muscle
  L. Krofta; E. Kasikova; M. Otcenasek; J. Feyereisl (Czech Republic)

08:55 A comparison of Magnetic Resonance Imaging and 4D ultrasound in the assessment of the levator hiatus
  J. Kruger; X. Heap; H. Dietz
  (New Zealand); (Australia)

09:00 Ballooning: how to define abnormal distensibility of the levator hiatus
  J. De Leon; A. Steensma; K. Shek; H. Dietz
  (Australia); (Netherlands)

09:05 Comparison of defecography and 3D/4D translabial ultrasound in patients with pelvic organ prolapse and / or
  evacuation disorders
  A. Steensma; D. Oom; C. Burger; W. Schouten (Netherlands)

09:10 Quantification of the pelvic floor contraction using 3D/4D translabial ultrasound
  M. Konstantinovic; A. Steensma; E. Domali; D. Timmerman; D. De Ridder; J. Deprest
  (Belgium); (Netherlands)

09:15 Are anal sphincter injuries related with elevator abnormalities?
  A. Steensma; K. Schweitzer; C. Burger; W. Schouten (Netherlands)

09:20 Correlation between 3D/4D translabial ultrasound and Colpo-cysto-defecography in diagnosis of posterior
  compartment prolapse
  M. Konstantinovic; A. Steensma; E. Domali; D. Van Beckevoort; D. Timmerman; D. De Ridder; J. Deprest
  (Belgium); (Netherlands)

09:25 The ‘Urethral Motion Profile’: a new method for assessing urethral mobility
  H. Dietz; K. Shek (Australia)

09:30 Incidence and prevalence oflevator abnormalities in women with an underactive pelvic floor contraction and pelvic
  floor symptoms
  A. Steensma; M. Konstantinovic; E. Domali; D. Timmerman; J. Deprest
  (Netherlands); (Belgium)

09:35 3D transperineal ultrasound (3DTUS) follow-up of intrapartum anal sphincter tears and functional correlation
  with clinical complaints
  D. Valseky; A. Malkiel; S. Savchev; B. Messing; D. Hochner-Celnikier; S. Yagel (Israel)

09:40 Discussion

10:00–10:45 Chaired oral poster discussions (# sponsored by Medison)

OP20: Fetal Doppler
  Chairs: A. Papageorghiou (UK); C. Lees (UK)

OP23: Urogynecology
  Chairs: A. Monteagudo (USA); A. Steensma (Netherlands)

OP24: Fetal therapy II
  Chairs: A. Gagnon (Canada); S. Yagel (Israel)

OP25: First trimester screening for Down syndrome and abnormal pregnancy outcome
  Chairs: P. Calda (Czech Republic); D. Nyberg (USA)

Viewing is available all day for OP sessions as listed above and:

P46: Fetal circulation
P47: Prenatal diagnosis and fetal sex determination
P48: Urogynecology
P51: Fetal therapy

10:30–11:15 Coffee and poster viewing

# Poster sessions are generously supported by Medison. Scientific content is as provided by presenting authors.
**THURSDAY PROGRAM**

**Program – Thursday 11 October**

**11:15–12:30 Fetal airways and chest (**sponsored by Toshiba**)**  
**PDC Auditorium**

**Chairs:** E. Gratacós (Spain); F. Severi (Italy)

11:15  
Live scan demonstration

*P. Calda* (Czech Republic)

11:35  
Overview of fetal diagnosis and surgery

E. Gratacós (Spain)

**OC268**

11:50  
Short and long-term outcome of children with congenital diaphragmatic hernia

I. Fuchs; C. Roehr; H. Feller; C. Bamberg; J. Dudenhausen; W. Henrich (Germany)

11:55  
Discussion

11:58  
Prenatal prediction of mortality and morbidity in congenital diaphragmatic hernia using ultrasound

J. Deprest (Belgium)

**OC269, OC270, OC271**

12:08  
Prenatal prediction of survival using lung volume at magnetic resonance imaging and liver position in isolated diaphragmatic hernia – a multicenter study

M. Cannie; P. Sonigo; Y. Robert; O. Moreno; A. Benachi; P. Vaast; S. Dymarkowski; E. Gratacós; K. Nicolaides; J. Deprest; J. Jani

12:13  
Discussion

12:21  
Prenatal prediction of pulmonary hypoplasia in prolonged oligohydramnios before 26 weeks: clinical, biometric and pulmonary artery doppler velocimetry correlates

T. Laureijs; M. Cunha; J. Beires; M.J. Ferreira; J. Cabral; N. Montenegro (Portugal)

12:26  
Discussion

**11:15–12:30 Obstetric ultrasound**  
**PDC 2nd Floor**

**Chairs:** A. Tabor (Denmark); K. Hecher (Germany)

11:15  
Repeated ultrasound of the foetal kidney can lead to adult-onset renal and cardiovascular disease

M. Schneider-Kolsky; L. Nougher; T. Griffiths; M. Silberstein; K. Moritz (Australia)

**OC274**

11:20  
Prenatal ultrasound scanning and the risk of schizophrenia and other psychoses

K. Stalberg; B. Haglund; O. Axelsson; S. Cnattingius; C. Hultman; H. Kieler (Sweden)

11:25  
Are women's choice of testing during pregnancy affected by mode of conception?

A. Gjerris; M. Christiansen; A. Loft; A. Tabor (Denmark)

11:30  
Discussion

11:38  
A comparison of sonographic criteria for antenatal diagnosis of placenta accreta

H. Wong; Y. Cheung; J. Zuccollo; J. Tait; K. Pringle (New Zealand)

11:43  
Correlation between 2D ultrasound and color Doppler, 3D Multplanar technique and Magnetic Resonance with intra-surgical findings for the Diagnosis of Placenta Accreta

M. Herrera; M. Rebolledo; M. Duque; J. Prada (Colombia)

11:48  
Per-op digital dilatation of the internal cervical os: a useful technique to achieve a better ultrasonographic integrity of the uterine incision after caesarean section?

H. Yazicioglu; O. Sevket; M. Aygun; O. Ozyurt; Z. Cebi; R. Demirbas; B. Ozsoco (Turkey)

11:53  
Discussion

12:02  
Prenatal prediction of homozygous thalassaemia using ultrasonographic placental thickness, fetal carotidocent ratio, and middle cerebral artery Doppler

K. Leung; L. Wang; M. Tang; Y. Lam

12:07  
Venous Doppler in the evaluation of fetal hydrops

C. Hofstaetter; S. Gudmundsson

12:12  
Amniotic fluid isoprostanes levels in fetuses with cystic hygroma

A. Kenanidis; G. Centini; L. Rosignoli; R. Scarnici; M. Longini; S. Perrone; F. Petraglia; G. Buonocore (Italy)

12:17  
Clinical use of fetal urine production rate for differentiation of the causes of polyhydramnios

J. Lee; S. Lee; E. Lee; H. Lee; S. Lee; C. Park; J. Park; J. Jun; B. Yoon; H. Syn (Republic of Korea)

12:22  
Discussion

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11:15–12:30 Interactive case examples focusing on new techniques

*PDA Basement*

11:15 Saline vaginography for assessing the utero-vaginal septum  
G. Condous (Australia)

11:25 4D pelvic ultrasound of the pelvic floor  
H. Dietz (Australia)

11:40 Ultrasound contrast studies  
A. Testa (Italy)

11:55 Three-dimensional saline contrast sonohysterography  
E. Ferrazzi (Italy)

12:10 Practical application of 3D ultrasound in fertility  
N. Raine-Fenning (UK)
Oral poster presentations – sponsored by MEDISON

OP20: Fetal Doppler

Discussion groups for oral posters: 10:00–10:45
Viewing available all day

Abstract no.
PDC G. Onice

**OP20.01**
Reference ranges for serial measurements of the cerebroplacental pulsatility index ratio based on longitudinal data
C. Ebbing (Norway)

**OP20.02**
Normal reference values for the anterior cerebral artery throughout pregnancy
J. Benavides-Serralde (Spain)

**OP20.03**
Sequential changes in the fetal aortic isthmus blood flow pattern in fetuses with intrauterine growth restriction and placental insufficiency
M. del Río (Spain)

**OP20.04**
Early changes in the anterior cerebral artery with respect to the middle cerebral artery in intrauterine growth restricted fetuses
J. Benavides-Serralde (Spain)

**OP20.05**
Anterior cerebral artery improves the prediction of adverse perinatal outcome in small for gestational age fetuses with normal umbilical artery
D. Oros (Spain)

**OP20.06**
Evaluation of the modified myocardial performance index in pregnancies complicated with gestational and pre-gestational diabetes
S. Illanes (Chile)

**OP20.07**
Echocardiographic and biochemical parameters of heart function in IUGR fetuses at different stages of hemodynamic deterioration
F. Crispi (Spain)

**OP20.08**
The use of a cardiac profile improves detection of heart dysfunction and prediction of poor perinatal outcome as compared with ductus venosus alone
F. Crispi (Spain)

**OP20.09**
Differences in fetal fat distribution in the presence of abnormal umbilical artery Doppler waveforms
W. Giles (Australia)

**OP20.10**
Fetal bowel blood flow: correlation with cerebral and placental circulation in normal fetuses and intrauterine growth restriction
R. Achirol (Israel)

**OP20.11**
Fetal splenic artery Doppler velocimetry for the prediction of fetal anemia in cases of rhesus alloimmunization
R. Maciuleviciene (Lithuania)

**OP20.12**
Umbilical Vein Blood Flow as a predictor of small-for-gestational-age fetus in a low risk population
S. Fernandez (Spain)

**OP20.13**
The shift of umbilical-portal watershed in the growth-restricted fetus assessed by velocity measurement in the left portal vein
J. Kessler (Norway)

**OP20.14**
Does maternal Calcium supplementation affect fetal blood flow?
M. Thompson (United Kingdom)

OP23: Urogynecology

Presentation: PDA Basement
Viewing: PDC 1.01

**OP23.01**
Patients' perceptions of urodynamic studies performed with ultrasound versus fluoroscopy
L. Chan (Australia)

**OP23.02**
Three-dimensional Power Doppler measurement of perirethral vascularization in fertile women. Preliminary observation.
S. Melappioni (Italy)

**OP23.03**
Transperineal three-dimensional ultrasound for the evaluation of levator ani pathology in urogynecological patients
V. Eisenberg (Israel)

**OP23.04**
Validation of transperineal ultrasound examination in the evaluation of urogynecological patients
V. Eisenberg (Israel)

**OP23.05**
Post-procedure 3D transperineal ultrasound evaluation of tension-free vaginal tape placement
D. Valsky (Israel)

**OP23.06**
Defects and anal incontinence after primary repair of 4th degree sphincter rupture - an endo-anal study of the sphincter complex and the m. puborectalis
A. Sakse (Denmark)

**OP23.07**
Rate and possible risk factors for levator ani muscle trauma in primiparas after term vaginal birth
D. Valsky (Israel)

**OP23.08**
Transperineal three-dimensional ultrasound for pelvic floor evaluation following 3rd and 4th degree perineal tears
V. Eisenberg (Israel)

**OP23.09**
Ultrasoundographic anatomy of perineum during pregnancy and immediately following obstetric injury
A. Omo (Sweden)

**OP23.10**
Inter-rater reliability of pelvic floor muscles imaging abnormalities with 3D ultrasound
D. Pretorius (United States)
OP24: Fetal therapy II

Chairs: A. Gagnon (Canada); S. Yagel (Israel)

Quintero staging of twin-twin transfusion syndrome: an update
R. Quintero (United States)

Fetoscopic laser photoagulation for twin-twin transfusion syndrome in Japan
H. Sago (Japan)

Recovery of cardiac function in recipient twins following laser for Stage 4 TTTS
A. Martin (Canada)

Early changes in fetal cardiac function following fetoscopic selective laser coagulation of placental anastomoses for severe twin-to-twin transfusion syndrome
J. Stirnemann (France)

Management of high-order multiples complicated by TRAP sequence
R. Chmait (United States)

What is pulsatile umbilical venous flow?
Z. Russell (United States)

3D ultrasound and MRI of fetal cervical cystic lymphangioma for intrapartum treatment planning
L. Franceschetti (Italy)

Normal fetal urine production rate estimated with three-dimensional ultrasonography using the rotational technique (virtual organ computer-aided analysis)
F. Fuchs (France)

Proposal for open randomized trial comparing perinatal outcome following expectant management versus amnioinfusion in PPROM <25 wks with persistent oligohydramnios (AMNIOINFUSION INITIATIVE)
A. Locatelli (Italy)

Ultrasonic fetal and placental tissue characterisation and the role of 3D and Doppler ultrasound in lung maturity
P. Podobnik (Croatia)

Assessment of fetal and placental blood flow with contrast agent (SonoVue) in late pregnancy mouse
X. Chen (China)

OP25: First trimester screening for Down syndrome and abnormal pregnancy outcome

Chairs: P. Calda (Czech Republic); D. Nyberg (USA)

First trimester combined screening: prospective evaluation of performance in an OSCAR setting
J. Johnson (Canada)

Sequential combined ultrasound and biochemical screening of fetal chromosomal disorders in the first and second trimester of pregnancy in Russia
A. Koroteev (Russian Federation)

Fetal Medicine Foundation Germany (FMF-D): a new approach to calculating the risk of chromosomal abnormalities with first-trimester screening data (11+1 – 14+0 weeks)
E. Merz (Germany)

Integrated test as a safe screening method for Down syndrome
C. Dall’Amico (Italy)

First trimester combined screening for Trisomy 21 in a predominantly Chinese population
T. Lau (Hong Kong)

Maternal serum ADAM12 levels in Down syndrome pregnancies during the first trimester
M. Ryynanen (Finland)

Outcome of low PAPP-A pregnancies in a community-based first trimester screening program
B. Hewitt (Australia)

Enlarged NT and chromosomal anomalies: not only Down screening
E. Timmerman (Netherlands)

Enlarged Jugular Lymphatic Sacs with thin nuchal translucency at 11–14 weeks’ gestation
E. Quarello (France)

Intra and inter observer variability and reproducibility of biparietal diameter and crown rump length for ultrasound dating at 11–14 weeks of gestation
L. Salomon (France)

L. Hernádi (Hungary)

Nuchal translucency reference range curve in quito – Ecuador
H. Loza (Ecuador)

Perinatal outcome of twin fetuses with increased nuchal translucency and normal karyotype
A. Gonçalves (Spain)

First trimester maternal serum screening for Down syndrome in Denmark: performance, parameters and centralised Quality Control in 23653 Pregnancies from 17 Centers
M. Christiansen (Denmark)
Posters – Thursday 11 October 2007

Assessment of risk of trisomy 21 by maternal age and fetal nuchal translucency thickness in 7096 unselected pregnancies in Slovenia
D. Strah (Slovenia)
13–14 weeks fetal anatomy scan by transabdominal and transvaginal sonography. Obstacles and benefits.
A. Perolo (Italy)

Abstract no. OP25.15

Abstract no. OP25.16

Posters (view only)

P46: Fetal Circulation

Doppler indices are biased by vessel curvature: perspectives for clinical implementation of corrective algorithms
T. Todros (Italy)
Analysis of the hemodynamics of fetal renal artery and fetal renal volume during the normal course of pregnancy
H. Inoue (Japan)
How can we recognize the very early stage of brain sparing effect?
A. Keresztúri (Hungary)
Peripartum cerebral arterial and venous blood flow changes in intrauterin growth restricted babies
Y. Baytur (Turkey)
Umbilical artery Doppler study as a predictive marker of perinatal outcome in preterm pregnancies with small for gestational age
H. Kim (Republic of Korea)
Evaluation of IUGR by umbilical Doppler examination
D. Mihu (Romania)
Perinatal outcome according to umbilical artery blood flow velocity waveform of term pregnancies with small for gestational age pregnancies
H. Kim (Republic of Korea)
Blood flow in pregnancies complicated with IUGR
E. Rometko-Welniewicz (Poland)
Severely abnormal flow patterns in the ductus venosus in the presence of otherwise normal fetal Doppler parameters in two cases with severe IUGR
A. Diemart (Germany)
Changes in the ductus venosus in fetuses with growth restriction
A. Chanthasenanont (Thailand)
Changes of the ductus venosus in intrauterine growth restriction fetuses during maternal hyperoxygenation
A. Chanthasenanont (Thailand)
Evaluation of the steroid effect on the placenta circulation with use of a new Doppler technique (Pixel-Flux) in cases of abnormal and normal fetal growth
F. Stener Jorgensen (Denmark)
Effect of oral supplementation with nitric oxide donor on fetomaternal hemodynamic
M. Ropacka (Poland)
Foetal motor activity as a diagnostic tool in IUGR foetuses
F. Vancore (Italy)
Clinical usefulness of fetal urine production in borderline oligohydramnios
K. Oh (Republic of Korea)
The effect of maternal hydration on Amniotic fluid Index (AFI)
N. Lorzadeh (Islamic Republic of Iran)

P47: Prenatal diagnosis and fetal sex determination

The value of new portable ultrasound in clinical practice-two prospective randomized studies
F. Nassir (Germany)
Ultrasound training in the resident training program at the UP-PGH and performance in the certifying examinations
V. de Jesus (Philippines)
The genetic sonogram value in the risk calculation of the fetal aneuploidy
P. Sieroszewski (Poland)
Diagnosis of major fetal malformations in type 1 and type 2 diabetic women in a large multi-ethnic region in the UK
N. Shah (United Kingdom)
Our experience as third level center for prenatal diagnosis
A. Simionescu (Romania)
Diagnosing of fetal anomalies: Jakarta's experience
A. Salim (Indonesia)
Doctor's attitude towards invasive prenatal diagnosis
S. Pitukkijronnakom (Thailand)
Late termination of pregnancy: six years experience in a single United Kingdom tertiary centre
L. Pasquini (United Kingdom)
Late abortion for fetal anomalies: 10 cases experience in one tertiary center in Taiwan and report of a novel method (fetal cardiac tamponade) P47.09

C. Hui-Ying (Taiwan)

Possible aetiological role of recurrent cytomegalovirus infection in case of non-immune hydrops fetalis P47.10

A. Keresztúri (Hungary)

Accuracy of fetal sex determination after 16 weeks gestation P47.11

H. Scott (Canada)

Ease of fetal sex determination after 18 weeks gestation P47.12

H. Scott (Canada)

Prenatal diagnosis of abnormal sex differentiation P47.13

D. Smetanova (Czech Republic)

Early prenatal diagnosis of severe micropenis after IVF-ICSI P47.14

B. Bashiri (Israel)

Turner syndrome with gastroschisis: a case report P47.15

A. Kim (Republic of Korea)

P48: Urogynecology

Anatomic defects in the puborectalis muscle in women with fecal incontinence P48.01

D. Pretorius (United States)

Sonographic diagnosis of bladder endometriosis P48.02

C. Exacoustos (Italy)

Integration of imaging studies and endoscopic management of purulent vaginal discharge: undiagnosed vaginal ectopic ureter associated with ipsilateral dysplastic pelvic kidney and bicornuate uterus P48.03

A. Chao (Taiwan)

Evaluation of bladder neck by perineal ultrasound before and after surgical repair of pelvic organ prolapse P48.04

M. Nishihayashi (Japan)

Transvaginal ultrasound evaluation of bladder and urethra wall thickness in postmenopausal women with urinary stress and urge incontinence P48.05

S. Wozniak (Poland)

Ultrasound assessment of lower urinary tract structures in women with urinary incontinence P48.06

S. Wozniak (Poland)

Transvaginal pelvic sonography for the diagnosis of vaginal and uterine fistulas P48.07

R. Kedar (Israel)

Three-dimensional ultrasonic assessment of urethrae in continent women P48.08

K. Cendrowski (Poland)

Transvaginal sonography assessment of levator ani muscles in continent women P48.09

K. Cendrowski (Poland)

P51: Fetal Therapy

Non-invasive diagnosis of fetomaternal hemorrhage by Doppler assessment of the Middle Cerebral Artery peak systolic velocity: a longitudinal prospective study P51.01

E. Cosmi (Italy)

Increased middle cerebral artery systolic velocity in maternal red cell alloimmunization – false positive Doppler ultrasonography P51.02

E. Gottschalk (Germany)

The management and treatment of fetal hemolytic disease due to anti-ku alloimmunization with serial intrauterine transfusions to the fetus and recombinant erythropoietin to the mother P51.03

N. Mantas (Greece)

Perinatal results of Rh-negative alloimmunized pregnancies after intra-uterine transfusion P51.04

P. Nowak (Poland)

Non-invasive fetal hemoglobin evaluation near term P51.05

E. Cosmi (Italy)

Middle cerebral artery (MCA) Doppler velocimetry during fetal therapy with intravenous immunoglobulin for neonatal haemochromatosis P51.06

D. Ellwood (Australia)

Intrauterine transfusion (IUT) of Mesenchymal Stem Cells in two fetuses with severe fractures lead to no postnatal fractures up to 1 and 2 years of age P51.07

M. Yamamoto (Chile)

Nomogram of amniotic fluid volume using VOCAL technique in first trimester of pregnancy: a pilot study P51.08

L. Rôlo (Brazil)

Amniotic fluid enzyme profile and immunosterochemistry in MMIHS P51.09

C. Celentano (Italy)

New applications of real time 3D ultrasound for fetal volumetric imaging P51.10

M. Takaoka (Japan)

The practical use of 3D rendering for routine screening of the fetal spine P51.11

D. Wood (United States)
Posters – Thursday 11 October 2007

Preoperative ultrasound view of placental surface vessels in Twin-Twin Transfusion Syndrome
T. Murakoshi (Japan)

Velamentous arterio-arterial anastomosis: A cause of technical failure of laser endoscopic surgery in twin-twin transfusion syndrome
W. Sepulveda (Chile)

Coagulation and section of the umbilical cord in a 21 weeks’ gestation monochorionic monoamniotic twins discordant for cardiopulmonary syndrome
A. Olivella (Spain)

Prenatal assessment of fetuses with congenital diaphragmatic hernia: experience of a referral centre
J. Deprest (Belgium)

Transitory fetal renal failure due to angiotensin receptor blockers
C. Celentano (Italy)

Experience in prediction of severe fetal anemia in Rh-alloimmunization
E. Shelaeva (Russian Federation)
## Sponsors’ activities

<table>
<thead>
<tr>
<th></th>
<th>MONDAY 8 OCTOBER</th>
<th>TUESDAY 9 OCTOBER</th>
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<tr>
<td><strong>PDC Auditorium</strong></td>
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| GE                    | Satellite symposium 12:45–13:45 | Clinical application of the latest developments in Volume Ultrasound  
Chair: Prof. G. Pilu | Fetal heart early assessment  
Prof. D. Paladini  
New ultrasound tools in obstetric examination  
Dr. B. Benoit  
Automation in ultrasound – latest developments  
Dr. A. Abuhamad |
| SIEMENS               | Satellite symposium 12:45–13:45 | Fetal posterior fossa anomalies. From routine ultrasound to diagnostic imaging  
Chair: Prof. G. Pilu | Speaker: Prof. L. Guibaud |
| MEDISON              | Satellite symposium 12:45–13:45 | Science of 3D diagnosis  
Prof. W. Sepulveda  
Volume Analysis with 3D XI and STIC  
Dr. R. Bataeva  
Art of Perfect 3D images  
Dr. K. Kalache |
| **PDC 2. Sala Verde** |                  |                   |                      |
| ISUOG poster program  |                  |                   |                      |
| GE                    | Satellite Education Area 09:00–17:00 | Meet the experts  
10:30–11:15  Fetal heart assessment & live scanning  
Prof. R. Chaoui  
13:00–14:00 Advanced features application in obstetric assessment  
Prof. B. Benoit  
16:00–16:30 Volume ultrasound – standard and new tools for gynecology examination  
Dr. N. Raine-Fenning |
| GE                    | Satellite Education Area 09:00–17:00 | Meet the experts  
10:30–11:15 Fetal heart assessment & live scanning  
Prof. G. DeVore  
13:00–14:00 Ultrasound examination of the central nervous system  
Prof. G. Pilu  
15:30–16:00 STIC in the fetal heart assessment |
| **PDA 4**             |                  |                   |                      |
| MEDISON               | Satellite Education Area 09:00–17:00 | 10:30–11:15 1. Interactive program with Clinical cases on PC with 3D-XI software  
2. A practical approach to day to day 2D ultrasound scanning  
Prof. W. Sepulveda  
12:30–14:00 1. A Practical Introduction to 3D Ultrasound Offline Analysis  
Dr. K. Kalache  
2. Live scanning  
15:30–16:00 1. Obstetric Pathology and 3D XI Volume Analysis  
Prof. W. Sepulveda  
2. Live scanning |
| MEDISON               | Satellite Education Area 09:00–17:00 | 10:30–11:15 1. Fetal Echocardiography – Volume Analysis with 3D XI and STIC  
Dr. R. Bataeva  
2. How to acquire a 3D volume scan for off line analysis  
Dr. Kalache  
16:00–16:30 1. Interactive program with Clinical cases on PC with 3D-XI software  
2. Live scanning |
| MEDISON               | Hospitality suite | 10:30–11:15 1. Interactive program with clinical cases on PC with 3D-XI software  
2. 4D ultrasound and 3D XI for the fetal face and the brain  
Dr. A. Juricic  
12:30–14:00 1. Interactive program with clinical cases on PC with 3D-XI software  
2. Live scanning program  
15:30–16:00 1. Interactive program with clinical cases on PC with 3D-XI software  
2. Live scanning program |
| **PDA 3.01**          |                  |                   |                      |
| SIEMENS               | Hospitality suite | 10:30–11:15 Live scanning  
12:30–14:00 Live scanning  
15:30–16:00 Live scanning |
| SIEMENS               | Hospitality suite | 10:30–11:15 Live scanning  
12:30–14:00 Live scanning  
16:00–16:30 Live scanning |
| SIEMENS               | Hospitality suite | 10:30–11:15 Live scanning  
12:30–14:00 Live scanning  
15:30–16:00 Live scanning |
| **PDA 3.02**          |                  |                   |                      |
| PHILIPS               | Hospitality suite | Scan with the experts  
(program in progress at time of print, please refer to delegate bag insert) |
| PHILIPS               | Hospitality suite | Scan with the experts  
10:30–11:00 The roadmap of volumetric imaging in the obstetric ultrasound scan  
Dr. T.K. Lau  
11:00–11:15 Scan with the expert  
Dr. T.K. Lau  
12:30–13:00 Scanning the technically difficult patient  
Dr. J. Copel  
13:00–13:30 Scan with the expert  
Dr. J. Copel  
16:00–16:30 Anatomical evaluation with Live Volume Imaging  
Dr. W. Lee |
| PHILIPS               | Satellite Education Area 09:00–17:00 | 10:30–11:30 Modalities for scanning the fetus including the heart: 2D vs Mechanical volumetric Imaging vs xMATRIX volumetric Imaging  
Prof. K. Kalache  
12:30–13:30 Scanning the difficult to image patient with the new Pure Wave Single Crystal Transducer  
Dr. B. Thilaganathan  
15:30–16:00 3D in Neurosonology  
Prof. T. Prusca and Dr. G. Nazzaro |
Simplicity is diagnostic confidence.

Philips delivers an extensive ultrasound portfolio of healthcare solutions for obstetrics and gynecology. You can count on exceptional image quality on all your patients, including the technically difficult. Ergonomics, ease-of-use and protocol-driven exams offer innovative workflow solutions. And our cutting-edge volume imaging is fast, accurate and easy to integrate into your exams.

Visit the Philips booth at ISUOG for more information.
**Exhibitor profiles**

**ALOKA Holding Europe AG**  
Stand no: 31 & 24  
Steinhauserstrasse 74, 6300 Zug, Switzerland  
Tel: +41 41 747 21 20  
Fax: +41 41 747 21 21  
Email: y.lauper@aloka-europe.com  
Website: www.aloka-europe.com  
Contact: Yvonne Lauper

ALOKA Co. Ltd., the world’s largest independent and dedicated diagnostic ultrasound company, cordially invites you to experience the **Advanced ProSound Technologies** of our premium digital ultrasound systems. Please visit us at our booth no. 31 and at our live scanning demonstration session at ISUOG 2007 in Florence.

**Astraia Software GmbH**  
Stand no: 18  
Mainzer Str. 7b, 80804 Munich, Germany  
Tel: + 49 89 127 11470  
Fax: +49 89 127 114717  
Email: roland@astraia.com  
Website: www.astraia.com  
Contact: Roland Denk

Astraia software for women’s health covers all aspects of women’s health. It delivers standardised terminology and provides a range of summaries with clear structured examination reports, often supplemented by charts. Different formats can be selected for adjustable reports. Interfaces are available for established ultrasound machines and hospital administration systems. Efforts and expenses for administration, archiving and correspondence can be significantly reduced. Five modules are currently available: Antenatal Diagnosis, Gynaecological Ultrasound, Breast Screening, Colposcopy, Fetal Echocardiography.

**Ashva Technologies**  
Stand no: 6  
3880 Minnesota Lane N, Plymouth 55446, USA  
Tel: + 1 (763) 242 9750  
Fax: + 1 (763) 208 7221  
Email: marketing@ashvatech.com  
Website: www.ashva.com  
Contact: Mohan Mysore

In the field of Medical Technology, where cutting-edge solutions matter, Ashva has strived to manage knowledge in the most efficient ways – developing functionality driven, cost-effective IT solutions for healthcare. Ashva is one of the leading providers of Image Management & reporting software for Ultrasound and Endoscope. Ashva has over 500 installs worldwide and has received FDA clearance for its Ultrasound application. Ashva helps its partners in providing superior value to the end users. In addition, Ashva offers PACS and PACS components.

**Bi-Tech srl**  
Stand no: 8  
Via Ludovico Di Breme 27, 20156 Milano, Italy  
Tel: +390238002786  
Fax: +390233405387  
Email: alessia.valenti@bi-tech.it  
Website: www.bi-tech.it  
Contact: Alessia Valenti

Bi Tech is the first and only Italian laboratory to be certified by the Fetal Medicine Foundation for first trimester Down’s syndrome screening. Its database includes over 200,000 completed cases of combined biochemical and ultrasonographic screening. Highly specialized in the obstetrical and gynaecological field Bi Tech was one of the first laboratories in Italy to promote HPV screening in the prevention of cervical cancer. Bi Tech provides to private and public centers full service assistance, gathering samples, performing highly specialized analysis and returning the result directly to the clinician and the patient. Bi Tech is also involved in he research field supporting studies regarding Down’s syndrome screening and HPV with the University of Milan.

**BRAHMS Aktiengesellschaft**  
Stand no: 30a & 28  
Neuendorfstrasse 25, 16761 Hennigsdorf, Germany  
Website: www.brahms.de

BRAHMS Aktiengesellschaft specialises in innovative products which facilitate earlier diagnosis of diseases and better control of therapy, thus enabling doctors to provide more efficient and economic patient care. Major fields of activity are laboratory tests in prenatal screening, thyroid diseases, oncology, and sepsis.

**Cook Medical**  
Stand no: 9  
National Technology Park, Limerick, Ireland  
Tel: + 353 61 334440  
Website: www.cookmedical.com

Where ingenuity and integrity converge. For 44 years, Cook Medical has served the world’s clinical community by providing products and services to support minimally invasive procedures. Competing against disease, we strive to provide assurance to clinicians and patients that our devices and technologies exceed their performance expectations. Our quality standards have developed from a history of close collaboration with physicians and nurses. Together, better patient care is a promise we can deliver with confidence.
**Exhibitor profiles**

**ContextVision AB**
Kunsgatan 50, 111 35 Stockholm, Sweden  
Tel: + 46 8 750 35 50  
Fax: + 46 8 750 5494  
Email: info@contextvision.se  
Website: www.contextvision.com  
Contact: Lilian Rivera  
ContextVision is the software imaging partner to the most recognized medical imaging manufacturers worldwide, enabling them to rapidly deliver leading products to market and provide next-generation upgrades while focusing on their customers. ContextVision’s world leading imaging software offers the greatest image clarity and quality available, enabling unprecedented diagnostic confidence. The company has worldwide offices with corporate sales & marketing in Stockholm, Sweden and is listed on the Oslo Stock Exchange, Norway under the SMB list (ticker: COV).

**Emmeci Sistemi Informatici**
Via Triggiano 44, 70010 Capurso (BA), Italy  
Tel: + 39 349 2928501  
Fax: + 39 178 22 32 988  
Email: info@emmecisistemi.com  
Website: www.ecogyn.it  
Contact: Marciano Ciro  
Emmeci Sistemi Informatici is a young company that develops medical database software. The main product is “EGGYN” that is for OB/GYN specialists. Over 20 specialists use this software. Emmeci Sistemi Informatici è una giovane realtà sviluppa software in ambito medico. Il suo prodotto di punta è “EGGYN” dedicato agli specialisti in ostetricia e ginecologia. Oltre 200 specialisti usano questo software.

**Esaote S.p.A.**
Via di Caciolle, 15, 50127 Firenze – Italy  
Tel: + 39 055 4229 1  
Fax: + 39 055 4229 208  
Email: international.sales@esaote.com  
Website: www.esaote.com  
Esaote, the leading European manufacturer of diagnostic medical imaging equipment, is proud to present its MyLab family of ultrasound systems at the 2007 ISUOG congress. Visitors to the Esaote stand will see the new GOLD platform MyLab70XVG, as well as the MyLab15/20, MyLab25 and MyLab50. The systems are part of Esaote’s MyLab World, a virtual environment in which the latest imaging technologies converge to offer OB/GYN ultrasound professionals the solutions they need.

**Finderm Farmaceutici**
Via Alcide de Gasperi, 165/B - 95127 Catania, Italy  
Tel: +39 (0)95 370292-371122  
Fax: +39 (0)95 384539  
Email: finderm@finderm.com  
Website: www.finderm.it  
Contact: Melita Jozzia  
From the Sicilian Etna Valley Finderm farmaceutici srl is a fresh and a high specialized reality in gynaecology with its own portfolio of near thirty products all for the woman wellbeing. Besides Finderm farmaceutici srl is a company specialized in production and packaging, on behalf of third parties, of food integrators in forms like hard and soft gelatine capsules even of vegetable origin and tablets, too. Our laboratory has the trust and agreement of many pharmaceutical and parapharmaceutical companies thanks also to our relation quality-price.

**GE Healthcare**
GE Ultraschall Deutschland GmbH, 239 Beethovenstrasse, 42655 Solingen, Germany  
Tel: + 49 212 28020  
Fax: + 49 212 2802 28  
Website: www.gehealthcare.com  
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 Ob/Gyn dedicated products and services to enable healthcare providers to better diagnose, treat and manage patients. For more information visit our booth, we are looking forward to welcome you at our lunch symposium and meet the expert sessions, detailed schedules in the program.
Informa Healthcare

Address: Telephone House, 69–77 Paul Street, London EC2A 4LQ, UK
Tel: +44 (0) 20 7017 6428
Fax: +44 (0) 20 7017 7850
Email: Helen.lomas@informa.com
Website: www.informaworld.com
Contact: Helen Lomas


International Vasa Previa Foundation, Inc.

Address: P.O. Box 272293, Boca Raton, FL 33427-2293, USA
Tel: 267-790-6693
Fax: 267-790-6693
Email: info@vasaprevia.com
Website: ivpf.org
Contact: Amy Brown Gaghagen, President / Victoria Goldstein, PR

The International Vasa Previa Foundation is an all volunteer charity organized to provide prevention and detection information and bereavement support to the general public and professionals regarding the potentially fatal fetal condition known as vasa previa. Our objectives are to raise awareness about vasa previa and eliminate infant death and mortality caused by undiagnosed vasa previa. It only takes a moment to diagnose life...

ISUOG

Address: Unit 4 Blythe Mews, Blythe Road, London W14 0HW, UK
Tel: +44 (0) 20 7471 9955
Fax: +44 (0) 20 7471 9959
Email: congress@isuog.org
Website: www.isuog.org
Contact: Sarah Hatcher

The International Society of Ultrasound in Obstetrics and Gynecology (ISUOG) exists to promote research and education in ultrasound within the field of obstetrics and gynecology. ISUOG now has more than 2,800 members in over 94 countries worldwide. All full paying delegates in Florence will automatically be registered as members of ISUOG for 2008 and will receive a 12 month subscription to the Society’s official journal Ultrasound in Obstetrics and Gynecology, as well as special reduced rates to attend our 2008 World Congress in Chicago, USA (24–28 August 2008). Our publishers Wiley-Blackwell will be available at our stand to answer your questions.

Jaypee Brothers Medical Publishers (P) Ltd

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Tel: +91-11-23272143
Fax: +91-11-23276490
Email: jaypee@jaypeebrothers.com
Website: www.jaypeebrothers.com
Contact: Mr. J. P. Vij

Jaypee Brothers is the largest Ultrasound books publisher in the world. So far they had published many of titles exclusively in ultrasound. They are very high quality books publisher and the prices are within the reach of the doctors and that is the secret of the popularity of Jaypee ultrasound books in the world.

Karl Storz GmbH & Co.KG

Address: Mittelstraße 8, 78532 Tuttlingen, Germany
Tel: +49-7461-708-0
Fax: +49-7461-708-105
Email: info@karlstorz.de
Website: www.karlstorz.com
Contact: Ms Sigrid Lanzillotti

KARL STORZ is a renowned manufacturer that is well established in all fields of endoscopy. The still family held company has grown to one with a worldwide presence and 3800 employees. KARL STORZ offers a range of both rigid and flexible endoscopes for a broad variety of applications.

Medison Co. Ltd

Address: Discusser & Medison Bldg., 1003, Daechi-dong, Gangnam-gu, Seoul 135-280, Korea
Tel: +82 2 2194 1209
Fax: +82 2 2194 1240
Email: marketing@medison.com
Website: www.medison.com
Contact: Carmen Nam

Medison, the original pioneer of 3D ultrasound technology has been providing affordable and innovative ultrasound solutions to the medical community for the past twenty-two years. Our extensive product line covers the entire application spectrum from the technically advanced 4D ultrasound systems to the compact, color portable systems, all capable of providing the most accurate and comprehensive ultrasound diagnosis available today.
**Exhibitor profiles**

**Shenzhen Mindray Bio-Medical Electronics Co., Ltd.**
Stand no: 1–3
Kaiji 12th Rd South, High-tech Industrial Park,
Shenzhen 518057, P. R. China
Tel: + 86 755 2658 2888
Fax: + 86 755 2658 2500
Email: rolen.luo@mindray.com
Website: www.mindray.com
Contact: Rolen

**Shantou Institute of Ultrasonic Instruments**
Stand no: 13
77 Jinsha Road, Shantou 515041,
Guangdong, China
Tel: + 86 754 8250 150
Fax: + 86 754 8251 499
Email: siui@siui.com
Website: www.sui.com
Contact: Cindy Zheng

Mindray has been devoting great efforts on our advanced ultrasound technologies. With extended global network, we provide affordable and high quality ultrasound imaging systems and excellent after service to whom need trustworthy imaging diagnosis.

Mindray provides outstanding and practical ultrasound solutions, from Color Doppler devices to B&W systems. Our intelligent products offer not only excellent imaging performance, but also ergonomic design. We are doing our best to offer you the most professional and friendly enjoy in ultrasound imaging.

**Perkin Elmer Life and Analytical Sciences, Inc.**
Center of Excellence, Wallac Oy, PO Box 10,
20101 Turku, Finland
Tel: + 358 2 2678 111
Fax: + 358 2 2678 357
Website: www.perkinelmer.com

**Siemens AG Medical Solutions**
Stand no: 32 & 21
Henkesstr. 127, Erlangen, D-91052, Germany
Tel: + 49 9131/84-0
Fax: + 49 9131/84-2924
Email: med.kbc.gms@siemens.com
Website: www.Siemens.com/medical

With its wide range of test kits, instruments and software, PerkinElmer offers the components needed for cost-effective and successful genetic screening. PerkinElmer is recognized as the world’s leading supplier to newborn screening programs and is also committed to developing better tools for monitoring health during pregnancy. PerkinElmer will be presenting new products based on high resolution, fast, array CGH technology, and is investigating PP13, a proposed marker for 1st trimester identification of pregnancies at high risk of pre-eclampsia. PerkinElmer is also researching the potential of ADAM-12 as a 1st and 2nd trimester marker for trisomy disorders.

Siemens Medical Solutions of Siemens AG (NYSE: SI) is one of the world’s largest suppliers to the healthcare industry. The company is known for bringing together innovative medical technologies, healthcare information systems, management consulting, and support services, to help customers achieve tangible, sustainable, clinical and financial outcomes. Recent acquisitions in the area of in-vitro diagnostics mark a significant milestone for Siemens as it becomes the first full service diagnostics company.

**Philips Medical Systems**
Stand no: 39 & 26
Hewlett-Packard Straße 2, 71034 Böblingen,
Germany
Tel: + 49 7031/4632121
Fax: + 49 7031/4632323
Email: pms.boeblingen@philips.com
Website: www.medical.philips.com
Contact: Philips Medical Response Center

Royal Philips Electronics is a global leader in healthcare, lifestyle and technology, delivering products, services and solutions through the brand promise of “sense and simplicity”.

**Shantou Institute of Ultrasonic Instruments (SIUI) has been engaged in R&D, manufacture and sale of ultrasonic instruments since early 1960s. As a leading ultrasound equipment manufacturer in China and a state key high-tech enterprise, SIUI is dedicated to supplying high performance products. Nowadays, SIUI is qualified by certification bodies and has received ISO9001, CE, FDA and CMD approvals. More than 45,000 ultrasound systems have been delivered for service in over 90 countries and areas.**
EXHIBITOR PROFILES

**Socrate Medical s.r.l**  
Stand no: 4–5  
Via Raffaello Sanzio,  
18 – 20090 Cesano Boscone (Mi), Italy  
Tel: + 39 02 45862412  
Fax: + 39 02 45863801  
Email: info@socratemedical.it  
Website: www.socratemedical.it, www.socratemedical.com  
Contact: Laura Gatti

Socrate Medical is a solution and service provider in the electro-medical and diagnostic imaging sectors which sets itself as single point-of-contact for GP’s, medical specialists, veterinarians, hospitals and diagnostic centers.

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**TOMA Advanced Biomedical Assays**  
Stand no: 7  
Via Francesco Ferrer 25/27, Busto Arsizio, Varese, Italy  
Tel: + 39 0331-652911  
Fax: + 39 0331-652919  
Email: bsantagata@tomalab.com  
Website: www.tomalab.com  
Contact: Bruno Sant’Agata

Toma is a private analysis laboratory that has been offering its services to clients, for over 30 years. Toma is known nationally and worldwide as an outstanding center in the field of prenatal diagnosis. It was the first Italian private analysis laboratory and among the first ones in the world dealing with prenatal diagnosis. Toma exhaustively studied a vast number of different cases, among which were over 100,000 concerning amniotic fluid cells and over 30,000 samples of chorionic villi.

---

**Toshiba Medical Systems Europe BV**  
Stand no: 30b & 27  
Zilverstraat 1, 2718 RP Zoetermeer, The Netherlands  
Tel: + 31 (0)79 - 368 9222  
Fax: + 31 (0)79 - 368 9444  
Email: info@tmse.nl  
Website: www.toshiba-europe.com/medical

For over 130 years, Toshiba’s research and development has improved the health and welfare of people around the world. Today, Toshiba Medical Systems offers a full range of high quality imaging products and is a reliable partner in more than 110 countries. In accordance to our Made for Life commitment we will continue to develop innovations that improve patient care and provide lasting quality for a lifetime of value. Toshiba: Made for Patients, Made for You, Made for Life!

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**Ultrasonix Medical Corporation**  
Stand no: 11–12  
130-4311 Viking Way, Richmond, BC V6V 2K9, Canada  
Tel: + 1 604 279 8550  
Fax: + 1 604 279 8559  
Email: info@ultrasonix.com  
Website: www.ultrasonix.com

Ultrasonix Medical corporation is a privately held corporation specializing in diagnostic ultrasound. Ultrasonix is dedicated to providing its customers with superior ultrasound solutions and support. Working in partnership with a growing global network, Ultrasonix is constantly expanding its leading edge technology available around the world.
Exhibitor profiles

Wisepress Online Bookshop
The Old Lamp Works, 25 High Path,
Merton Abbey, London SW19 2JL, UK
Tel: + 44 20 8715 1812
Fax: + 44 20 8715 1722
Email: bookshop@wisepress.com
Website: www.wisepress.com
Contact: Nadia Ahmed

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 250 conferences per year, Wisepress has a comprehensive medical and scientific bookshop online with great offers, some up to 40% off the publisher list prices.

ZONARE Medical Systems, Inc. (USA) and ZONARE Medical Systems GmbH
Henkestrasse 91, 91052 Erlangen, Germany
Tel: + 49 (0)9131-974.940
Fax: + 49 (0)9131-974.9410
Email: info@zonare.de
Website: www.zonare.com
Contact: Andrea Franke

Zone Sonography™ Technology has enabled ZONARE Medical Systems to bring its unique, patented Convertible Ultrasound™ platform to the industry providing premium image quality and performance together with portability. Clinicians are able to convert the z.one system at the touch of a button from a full-featured, cart-based system into a 5.5lb premium compact unit, offering a wide variety of clinical imaging applications. Premium Performance, Clinical Versatility, Unique Convertibility and Easy Upgradeability. Anytime. Anywhere.
Social program

Social functions
Please book tickets for any of the functions below at the registration desk. Tickets are subject to availability and will be offered on a first-come, first-served basis.

**Opening ceremony and welcome reception**
This event is free to all fully registered delegates and registered accompanying persons
*Sunday 7 October 2007*
*17:30–21:30*
*Palazzo dei Congressi and gardens of the Congress centre*
*Day delegates and additional tickets  €30*

**Congress party**
Sponsored by **MEDISON**
*Tuesday 9 October 2007*
*19:30*
*Palazzo Borghese*
*Via Ghibellina, 110*
*50122 Firenze*
Join us for an evening’s entertainment at Florence’s historic Palazzo Borghese, an ancient palace whose origins date back 600 years.
Cost per person:  €75 *(Tickets are strictly limited)*
Dress: Lounge suit
Please note you will not be allowed entry without your party ticket – please remember to bring it with you.

Accompanying person’s program
An accompanying person’s program is being offered and includes the Florence walking tour plus two other tours of your choice.
- Florence Walking Tour: discover Florence’s famous sites on foot, from the Medicean Chapels and palaces to the vibrant market stalls.
- Uffizi Gallery Tour: one of the most famous galleries in the world, admire works of art by Botticelli, Michelangelo, Leonardo da Vinci, Raffaello, Giotto, Cimabue and Masaccio.
- Shopping Outlet Afternoon: shop in some of Italy prestigious fashion stores, such as Prada, Dolce & Gabbana, Valentino and Gucci.
- Pisa Trip: drive through the fertile and picturesque Tuscan countryside to the famous city of Pisa with it’s celebrated Leaning Tower.
- Guided Wine and Olive Oil tasting tour: enjoy a pleasant afternoon in a typical Tuscan wine shop with an oil and wine expert, includes tastings and canapés.

You will also receive:
- Lonely Planet Guide to Florence
- welcome reception ticket
- entrance to the exhibition hall for lunch and coffee breaks

We hope you enjoy discovering Florence!
Cost per person:  €200.00
ISUOG business meetings

<table>
<thead>
<tr>
<th>Date</th>
<th>Start time</th>
<th>End time</th>
<th>Meeting</th>
<th>Room</th>
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<tbody>
<tr>
<td>Saturday 6 October</td>
<td>09:00</td>
<td>18:00</td>
<td>ISUOG Board</td>
<td>PDC Belvedere</td>
</tr>
<tr>
<td>Sunday 7 October</td>
<td>13:00</td>
<td>17:30</td>
<td>Safety Committee &amp; WFUMB</td>
<td>PDC 2.03</td>
</tr>
<tr>
<td>Monday 8 October</td>
<td>08:00</td>
<td>08:30</td>
<td>Session Chairs’ Briefing</td>
<td>PDC Auditorium</td>
</tr>
<tr>
<td>Monday 8 October</td>
<td>12:30</td>
<td>14:00</td>
<td>Editorial Board</td>
<td>PDC Belvedere</td>
</tr>
<tr>
<td>Monday 8 October</td>
<td>14:00</td>
<td>16:00</td>
<td>Editorial Board Workshop</td>
<td>PDC Belvedere</td>
</tr>
<tr>
<td>Monday 8 October</td>
<td>16:00</td>
<td>17:30</td>
<td>New Media Committee</td>
<td>PDC 1.03</td>
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<tr>
<td>Tuesday 9 October</td>
<td>08:30</td>
<td>10:00</td>
<td>Education Committee</td>
<td>PDC Belvedere</td>
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<tr>
<td>Tuesday 9 October</td>
<td>12:30</td>
<td>14:00</td>
<td>Scientific Committee</td>
<td>PDC Belvedere</td>
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<tr>
<td>Tuesday 9 October</td>
<td>12:30</td>
<td>14:00</td>
<td>3D Focus Group</td>
<td>PDC 1.03</td>
</tr>
<tr>
<td>Tuesday 9 October</td>
<td>14:00</td>
<td>15:00</td>
<td>Chicago Local Organising Committee</td>
<td>PDC Belvedere</td>
</tr>
<tr>
<td>Tuesday 9 October</td>
<td>15:30</td>
<td>16:00</td>
<td>Annual General Meeting (ALL DELEGATES)</td>
<td>PDC Auditorium</td>
</tr>
<tr>
<td>Tuesday 9 October</td>
<td>16:00</td>
<td>17:30</td>
<td>Fetal Echocardiography Focus Group</td>
<td>PDC Belvedere</td>
</tr>
<tr>
<td>Wednesday 10 October</td>
<td>08:30</td>
<td>12:30</td>
<td>Safety Committee &amp; WFUMB</td>
<td>PDC 1.03</td>
</tr>
<tr>
<td>Wednesday 10 October</td>
<td>10:00</td>
<td>11:15</td>
<td>Meeting Planning Committee</td>
<td>PDC Belvedere</td>
</tr>
<tr>
<td>Wednesday 10 October</td>
<td>12:00</td>
<td>13:30</td>
<td>Fetal MRI Focus Group</td>
<td>PDC Belvedere</td>
</tr>
<tr>
<td>Wednesday 10 October</td>
<td>12:30</td>
<td>14:00</td>
<td>Safety Committee</td>
<td>PDC 1.03</td>
</tr>
<tr>
<td>Wednesday 10 October</td>
<td>14:00</td>
<td>15:30</td>
<td>Perinatal Doppler Focus Group</td>
<td>PDC Belvedere</td>
</tr>
<tr>
<td>Wednesday 10 October</td>
<td>15:30</td>
<td>17:00</td>
<td>Clinical Standards Committee</td>
<td>PDC 1.03</td>
</tr>
<tr>
<td>Wednesday 10 October</td>
<td>16:00</td>
<td>17:00</td>
<td>MPC: Exhibitors’ Closing Meeting</td>
<td>PDC Belvedere</td>
</tr>
<tr>
<td>Thursday 11 October</td>
<td>08:00</td>
<td>09:00</td>
<td>ISUOG Board (supplementary)</td>
<td>PDC Belvedere</td>
</tr>
</tbody>
</table>

General information

**Cash machines**
A cash machine is located in the Piazza Adua.

**Catering**
Coffee and light lunches will be served in the exhibition areas of the PDA and PDC.

**Certificate of attendance**
Certificates of attendance will be available from the registration desk from Wednesday 10 October for all registered delegates who complete the evaluation form.

**Cloakrooms**
Cloakroom facilities are available in the PDC Balcony area during Congress opening hours. Please note that items are left at your own risk, and neither ISUOG nor the venue takes responsibility for lost items. We are unable to store luggage items onsite so please make arrangements for leaving luggage directly with hotels if required.

**Currency exchange**
Banks are normally open between 08:30 and 13:30 on weekdays; certain banks also open in the afternoon between approximately 14:30 and 15:30.
General information

Congress contact details

Abstract and registration enquiries
Congrex Sweden AB, Box 5078, SE-402 22, Göteborg, Sweden
Tel: +46 (0) 31 708 6000
Fax: +46 (0) 31 708 6025
Email: isuog2007.abstract@congrex.com (abstracts)
isuog2007@congrex.com (registrations, social and tours)
Website: www.congrex.com

ISUOG Secretariat

Scientific program, exhibition and sponsorship sales, all other Congress enquiries
ISUOG, Unit 4 Blythe Mews, Blythe Road, London W14 0HW, UK
Tel: +44 (0) 20 7471 9955
Fax: +44 (0) 20 7471 9959
Email: congress@isuog.org (Congress enquiries)
info@isuog.org (ISUOG membership and general enquiries)
Website: www.isuog.org

Venue

Venue enquiries
Firenze Fiera Congress and Exhibition Centre,
Piazza Adua 1, 50123 Firenze, Italy
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Fax: +39 055 49 73 237
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Italian Professional Conference Organiser

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Fax: +39 0421 38 21 00
Email: angela@trytriangle.it
Contact onsite at the registration desk or stand no. 38a.

Disclaimer

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Duplication/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.

First aid

Should you require first aid treatment, please contact the registration desk staff.

Future meetings

Literature regarding future meetings of interest to participants is displayed in the exhibition area at stand C.

Language

The official language of the Congress is English. Simultaneous translation will be available in the main auditorium from English to Italian only. Receivers may be collected from the ECM desk in the Passi Perduti.

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 held at the venue. Please contact the Venue as soon as possible if you wish to claim any lost property.

Messages

The telephone number for people wishing to leave messages for you during the Congress opening hours is:
Tel: +39 055 497 3460
Fax: +39 055 497 3461

Name badges

Please wear your name badges at all times as an aid to identification. Name badge holders have been colour coded as follows:

- Full delegates: Clear
- Day delegates: Clear with coloured paper:
  - Monday: Orange
  - Tuesday: Purple
  - Wednesday: Pink
  - Thursday: White
- Board: Red
- Invited faculty: Blue
- Exhibitors: Yellow
- Accompanying persons: Green

Smoking policy

Smoking is not permitted in any closed building in Italy. If you wish to smoke, please go outside.

Telephones

Coin-operated telephones are located in the Palazzo degli Affari and the Palazzo dei Congressi buildings.

WIFI

WIFI connection is available throughout the venue at a cost of €100 for 72 hours. Please ask at the registration desk.
18th World Congress on Ultrasound in Obstetrics and Gynecology
24-28 August 2008, Chicago, USA

Welcome

ISUOG’s 2008 host committee is extremely proud to welcome you back to the United States. The World Congress on Ultrasound in Obstetrics and Gynecology is coming to Chicago for the first time from 24 to 28 August, 2008.

Chicago’s beautiful lakefront, incredible architecture and cosmopolitan culture attract millions of people from around the globe every year. This city is renowned for its restaurants, museums, first-class shopping, adventurous nightlife, action-packed sporting events, and a thriving jazz and theatre scene.

The 18th World Congress will be held at the Navy Pier (www.navypier.com). The Navy Pier, named in honour of World War I veterans, is built out onto Lake Michigan, one of the most beautiful shorelines in the United States. With many attractions and 50 acres of parks and gardens, the Navy Pier is a perfectly located recreational centre next to Chicago’s downtown area.

The local and international host committees promise to make this an outstanding meeting. We look forward to receiving your scientific contributions and welcoming you to Chicago in August 2008.

Lawrence D. Platt M.D.
Congress Chairman

Ahmet A. Baschat M.D.
Scientific Committee Chairman

Critical dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>November 2007</td>
<td>Call for papers</td>
</tr>
<tr>
<td>24 January 2008</td>
<td>Exhibition/sponsorship discount deadline</td>
</tr>
<tr>
<td>24 February 2008</td>
<td>Abstract submission and reduced registration rate deadline</td>
</tr>
<tr>
<td>24 June 2008</td>
<td>Early bird registration rate deadline</td>
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<tr>
<td>24 August 2008</td>
<td>Onsite registration opens</td>
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Full delegate fees include a one-year membership to ISUOG and subscription to Ultrasound in Obstetrics & Gynecology.
Existing members also benefit from reduced Congress delegate fees.
Find out more about membership or join now at www.isuog.org

www.isuog.org

Organised by The International Society of Ultrasound in Obstetrics and Gynecology
www.isuog.org

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